UCF Stands For Opportunity

2010-2011
Undergraduate Catalog

University of Central Florida
4000 Central Florida Boulevard
Orlando, FL 32816
http://www.ucf.edu
407-823-2000

UCF Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, FL 32819
http://www.hospitality.ucf.edu
407-903-8000

UCF REGIONAL CAMPUSES
http://www.regionalcampuses.ucf.edu

UCF Cocoa
(In partnership with Brevard Community College)
1519 Clearlake Road, Building 3
Cocoa, FL 32922
321-433-7821

UCF Daytona Beach
(In partnership with Daytona State College)
1200 W. International Speedway Blvd.
Daytona Beach, FL 32114
386-506-4021

UCF Leesburg
(In partnership with Lake-Sumter Community College)
9501 U.S. Highway 441
Leesburg, FL 34788
352-536-2113

UCF Ocala
(In partnership with Central Florida Community College)
3001 S.W. College Road
Ocala, FL 34474
352-854-2322, Ext. 1824

UCF Palm Bay
(In partnership with Brevard Community College)
250 Community College Parkway
Building 3
Palm Bay, FL 32909
321-433-7838

UCF Sanford/Lake Mary
(In partnership with Seminole State College)
100 Weldon Boulevard, Building R
Sanford, FL 32773
407-708-2471

UCF South Lake
(In partnership with Lake-Sumter Community College)
1250 North Hancock Road
Clermont, FL 34711
352-536-2113

UCF South Orlando
7300 Lake Ellenor Drive
Orlando, FL 32809
407-856-6585

UCF Valencia Osceola
(In partnership with Valencia Community College)
1800 Denn John Lane
Building 3, Suite 319
Kissimmee, FL 34744
407-582-4190

UCF Valencia West
(In partnership with Valencia Community College)
1800 South Kirkman Road
Building 11, Suite 104
Orlando, FL 32811
407-582-5500

UNDERGRADUATE INFORMATION

Undergraduate Admissions
University of Central Florida
PO Box 160111
Orlando, FL, 32816-0111
http://www.admissions.ucf.edu
407-823-3000

Office of Student Financial Assistance
University of Central Florida
4000 Central Florida Boulevard
Millican Hall, Room 120
Orlando, FL 32816-0113
http://finaid.ucf.edu
407-823-2827

Registrar's Office
University of Central Florida
PO Box 160114
Orlando, FL 32816-0114
http://www.registrar.ucf.edu
407-823-3100

Housing and Residence Life
University of Central Florida
PO Box 163222
Orlando, FL 32816-3222
http://www.housing.ucf.edu
407-823-4663

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The UCF Creed

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

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

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

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

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

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

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

UCF Stands For Opportunity
Mission Statement

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

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

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

Take pride in your university. Our academic programs are setting the standard for the nation, our faculty members are nationally renowned for their teaching and research, our academic service-learning program is among the largest in the nation, and our athletic teams compete with the best in the country.

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

You have my best wishes for success during this coming year. UCF faculty members and staff members are here to help you to learn, to grow, and to excel. Upon graduation, you will join the more than 170,000 alumni whose lives have been changed by their UCF experience.

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

Cordially yours,

John C. Hitt
President
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<td>May 17 - June 25</td>
<td>June 28 - August 6</td>
<td>May 17 - August 6</td>
<td>May 17 - July 16</td>
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<tr>
<td></td>
<td>6 Weeks</td>
<td>6 Weeks</td>
<td>12 Weeks</td>
<td>9 Weeks</td>
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<td>Application Deadline for All New Undergraduate</td>
<td>March 1</td>
<td>March 1</td>
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<tr>
<td>Application Deadline for Readmission</td>
<td>April 1</td>
<td>April 1</td>
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<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>April 15</td>
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<td>Graduation Application (Online Intent to Graduate on myUCF)</td>
<td>Mar. 8 - Apr. 26</td>
<td>Mar. 8 - Apr. 26</td>
<td>Mar. 8 - Apr. 26</td>
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<td>Housing Payment Due</td>
<td>April 30</td>
<td>June 18</td>
<td>April 30</td>
<td>N/A</td>
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<td>Mar. 22 - May 16</td>
<td>Mar. 22 - June 27</td>
<td>Mar. 22 - May 16</td>
<td>Mar. 22 - May 16</td>
</tr>
<tr>
<td>Registration for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>May 14</td>
<td>June 25</td>
<td>May 14</td>
<td>May 14</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits and STEP (begins 3:30 p.m.)</td>
<td>May 14</td>
<td>June 25</td>
<td>May 14</td>
<td>May 14</td>
</tr>
<tr>
<td>On-campus Housing opens</td>
<td>May 16</td>
<td>June 26</td>
<td>May 16</td>
<td>N/A</td>
</tr>
<tr>
<td>Classes begin</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 17-21</td>
<td>June 28 - July 2</td>
<td>May 17-21</td>
<td>May 17-21</td>
</tr>
<tr>
<td>Drop Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 20</td>
<td>July 1</td>
<td>May 20</td>
<td>May 20</td>
</tr>
<tr>
<td>Last Day for Full Refund on myUCF (ends at 11:59 p.m.)</td>
<td>May 20</td>
<td>July 1</td>
<td>May 20</td>
<td>May 20</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 21</td>
<td>July 2</td>
<td>May 21</td>
<td>May 21</td>
</tr>
<tr>
<td>Payment Deadline on myUCF</td>
<td>May 28, 2010 - Students registering from 3/22/10 through 5/21/10</td>
<td>July 9, 2010 - Students registering for Summer B only 5/22/10 through 7/02/10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes</td>
<td>July 2</td>
<td>August 6</td>
<td>July 2</td>
<td>July 2</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 4</td>
<td>July 16</td>
<td>June 25</td>
<td>June 11</td>
</tr>
<tr>
<td>Withdrawal Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 4</td>
<td>July 16</td>
<td>June 25</td>
<td>June 11</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline</td>
<td>July 30</td>
<td>July 30</td>
<td>July 30</td>
<td>July 30</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete Final Examination Period</td>
<td>June 25</td>
<td>August 6</td>
<td>August 6</td>
<td>July 16</td>
</tr>
<tr>
<td>On-campus Housing closes</td>
<td>June 26</td>
<td>August 6</td>
<td>August 6</td>
<td>N/A</td>
</tr>
<tr>
<td>Grades Due in myUCF</td>
<td>June 30</td>
<td>August 11</td>
<td>August 11</td>
<td>July 21</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>July 1</td>
<td>August 13</td>
<td>August 13</td>
<td>July 22</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 7</td>
<td>August 7</td>
<td>August 7</td>
<td>August 7</td>
</tr>
</tbody>
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NOTE: Dates are subject to change. Consult the Web Enrollment Guide and online Academic Calendar (http://www.registrar.sdes.ucf.edu/calendar) for information.

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

If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity Initiatives (MH 329) at 407-823-6479.

1 Ends at 5:00 p.m. on the last day.
2 Summer B payment deadline for all students who register 3/22 - 5/21; Summer B payment deadline for all students who register May 22 - July 2.
3 $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.
4 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.”
5 Summer Final Exams are given during the last class meeting.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Holiday</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memorial Day Holiday</td>
<td>May 31, 2010</td>
</tr>
<tr>
<td>Independence Day Holiday</td>
<td>July 5, 2010</td>
</tr>
</tbody>
</table>
### 2010 - 2011 FALL/SPRING ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event Description</th>
<th>Fall 2010</th>
<th>Spring 2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 1, 2010</td>
</tr>
<tr>
<td>Application Deadline for All New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2010</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2010</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>November 1, 2010</td>
</tr>
<tr>
<td>Registration on myUCF</td>
<td>March 22 - August 22</td>
<td>Mar. 22, 2010 - Jan. 9 and Oct. 25, 2010 - Jan. 9</td>
</tr>
<tr>
<td>(Online Intent to Graduate Form for Undergraduates) on myUCF</td>
<td>June 21 - August 6</td>
<td>October 17 - December 13, 2010</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>August 6</td>
<td>December 3, 2010</td>
</tr>
<tr>
<td>Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>August 20</td>
<td>January 7</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits and STEP (begins 3:30 p.m.)</td>
<td>August 20</td>
<td>January 7</td>
</tr>
<tr>
<td>On-campus Housing opens (9:00 a.m.)</td>
<td>August 20</td>
<td>January 8</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 23</td>
<td>January 10</td>
</tr>
<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 23-27</td>
<td>January 10-14</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 26</td>
<td>January 13</td>
</tr>
<tr>
<td>Last Day for Full Refund</td>
<td>August 26</td>
<td>January 13</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
<td>January 14</td>
</tr>
<tr>
<td>Payment deadline</td>
<td>September 3</td>
<td>January 21</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 11-22</td>
<td>October 11-22, 2010</td>
</tr>
<tr>
<td>Last Day to Reinstatet Drop for Nonpayment Classes</td>
<td>October 15</td>
<td>March 4</td>
</tr>
<tr>
<td>(ends at 4:00 p.m.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 15</td>
<td>March 4</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 15</td>
<td>March 4</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline</td>
<td>November 19</td>
<td>April 1</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
<td>December 6</td>
<td>April 25</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 7-13</td>
<td>April 26 - May 2</td>
</tr>
<tr>
<td>On-campus Housing closes (noon)</td>
<td>December 14</td>
<td>May 3</td>
</tr>
<tr>
<td>Grades Due on myUCF (noon)</td>
<td>December 16</td>
<td>May 5</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 17</td>
<td>May 6</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 17-18</td>
<td>May 6-7</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 18</td>
<td>May 7</td>
</tr>
</tbody>
</table>

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

If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity Initiatives (MH 329) at 407-823-6479.

1. $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
2. $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.
3. Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to “F.”
4. Under the new Multiple Term Registration procedure, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2008, Fall 2009 and Spring 2010 beginning March 2, 2009. Registration for these students will begin on or after March 23. All other eligible students will receive their registration times beginning October 12 and Spring registration for these students will begin on or after October 26.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event Description</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>September 6, 2010</td>
</tr>
<tr>
<td>Main Campus/Research Park classes end 12:20 p.m. No afternoon/evening classes. (Campuses close 12:30 p.m.)</td>
<td>October 6, 2010</td>
</tr>
<tr>
<td>Regional and Rosen Campus classes end at 2:50 p.m. No evening classes. (Campuses close 3:00 p.m.)</td>
<td>October 6, 2010</td>
</tr>
<tr>
<td>Main, Regional, Research Park, and Rosen Classes resume (7:00 a.m.)</td>
<td>October 7, 2010</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>October 17-23, 2010</td>
</tr>
<tr>
<td>Homecoming Game vs. Rice</td>
<td>October 23, 2010</td>
</tr>
<tr>
<td>Veterans Day Holiday</td>
<td>November 11, 2010</td>
</tr>
<tr>
<td>Thanksgiving Holidays</td>
<td>November 25-27, 2010</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 17, 2011</td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 7-12, 2011</td>
</tr>
<tr>
<td>Founder’s Day Honors Convocation (classes still held)</td>
<td>April 6, 2011</td>
</tr>
</tbody>
</table>
Undergraduate Academic Policy Statement

The University of Central Florida, may change any of the 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 can-
not 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 Under

Approved with special events.

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

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

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

Approval Procedures: Student Groups

Prior approval for students or student organizations to host an event
with alcohol beverages is prohibited by persons younger than 21 years of age.
Possession or consumption of alcoholic beverages in a location and situation
which does not require a beer or wine license from the Director of Business Services prior to
obtaining a license. With approval the license is then to be obtained from the Alcoholics
Coordinator responsible for concerns in all areas of discrimination. The office is located on the
orlando campus, in millican hall 330, orlando,

The University of Central Florida expects all students to have ready
access to a personal computer and software appropriate to his or her
field of study. Students can meet this expectation by purchasing or
leasing a computer, sharing a computer with family or roommates, or
using a UCF computer lab.
All UCF students should expect to use a personal computer in many University activities, including coursework, accessing library information, registering for classes, and e-mailing correspondence to instructors or fellow students. In addition, many UCF courses require the use of the Internet.

The University of Central Florida has developed one of the nation's most advanced campus technology environments, and all UCF students are provided free Knight's E-mail accounts and Internet access. Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adapter. Recommended configurations can be found on the University's Web site at http://catstore.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 e-mail as the official means of notifying students of important university business and academic information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items for satisfactory completion of a UCF degree program. The university sends all business-related and academic messages to a student's Knights E-mail address to ensure that there is one repository for that information. Every student must register for, and maintain a Knights E-mail account at http://www.knightsemail.ucf.edu and check it regularly to avoid missing important information from the university. Any difficulty with establishing an account or with accessing an established account must be resolved through the UCF Computer Services Service Desk so that a student receives all important messages.

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

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

Complaint Policy

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

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

Accreditation

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

The University of Central Florida is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award degrees at the associate, baccalaureate, master's, doctoral, and professional levels. At the undergraduate level, the following programs (disciplines) have been granted accreditation:

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<th>College/Discipline</th>
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<tr>
<td>Arts and Humanities</td>
<td>National Association of Schools of Music (NASM)</td>
</tr>
<tr>
<td>Business Administration</td>
<td>The Association to Advance Collegiate Schools of Business (AACSBI) International</td>
</tr>
<tr>
<td>Education</td>
<td>State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE)</td>
</tr>
<tr>
<td>Engineering and Computer Science</td>
<td>Accredited by the Engineering Engineering Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Engineering Technology and Electrical Engineering Systems Concentration</td>
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</tr>
<tr>
<td>Health and Public Affairs</td>
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</tr>
<tr>
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<td>Committee on Accreditation for Respiratory Care (CoARC)</td>
</tr>
<tr>
<td>Cardiopulmonary Science</td>
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</tr>
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<td>Joint Review Committee on Education in Radiologic Technology (JRCERT)</td>
</tr>
<tr>
<td>Radiologic Sciences</td>
<td>Council on Social Work Education (CSWE)</td>
</tr>
<tr>
<td>Social Work</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)</td>
</tr>
<tr>
<td>College of Medicine - Burnett School of Biomedical Sciences</td>
<td>Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>American Chemical Society (ACS) Committee On Professional Training</td>
</tr>
<tr>
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<td>Accreditation of Teacher Education (NCATE)</td>
</tr>
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UCF is listed in Transfer Credit Practices on Designated Educational Institutions with the highest level of credit acceptability. This handbook is published by the American Association of Collegiate Registrars and Admission Officers and lists the acceptability of transfer credits based upon the reporting institutions in the states, commonwealths, territories, and selected international institutions.

Accreditation Policies of Professional and Selected Programs

- American Chemical Society (ACS) Committee On Professional Training
- Accreditation of Teacher Education (NCATE)
- National Association of Schools of Music (NASM)
- National Council for Accreditation of Teacher Education (NCATE)
- The Association to Advance Collegiate Schools of Business (AACSBI) International

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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.
The University

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

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

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

The UCF Libraries offer more than 1.9 million volumes and 32,000 serial subscriptions, 24,730 of which are electronic journals.

UCF has a 149,000-square-foot Recreation and Wellness Center complete with a three-story climbing wall, an indoor track and fitness equipment. The Student Union has computer labs, study lounges, ballroom and meeting rooms, popular eating establishments and a small shopping mall. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, dental services, a pharmacy, a medical laboratory and physical therapy services. The 10,000-seat UCF Arena and the 50,000-seat on-campus football stadium opened in 2007. Housing includes on-campus residence halls and affiliated apartments for more than 10,000 students.

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

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

Online@UCF

Assistant Vice President: Thomas B. Cavanagh; Center for Distributed Learning; 407-823-4910; http://online.ucf.edu

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

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

Online instruction modes are:

- WORLD WIDE WEB (W): These are courses conducted via Web-based instruction and collaboration. Some courses may require in-person or proctored examinations and/or minimal campus attendance.
- MIXED-MODE/REDUCED SEAT TIME (M): These courses include both required classroom attendance and online instruction. All M classes have substantial activity conducted over the Web, which will substitute for some classroom meetings.
- VIDEO STREAMING (V): These are courses delivered over the Web via streaming digital video, which may be supplemented by additional Web activity, projects or examinations.
- VIDEO STREAMING/REDUCED SEAT TIME (RV): In these courses, classroom-based content is available over the Web via streaming video and classroom attendance is not required. Other required activities that substitute for video instruction may include any of the following elements: Web activity, in-person or proctored examinations, and labs. See course notes for details.

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

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

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 community college an A.A. or A.S. degree to upper-level division work on a baccalaureate degree. Programs include 24 Bachelor’s programs, 18 minors, 12 master’s degrees, and 6 graduate certificates with each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disability services, veteran’s affairs, “smart classrooms,” libraries, computer labs, and more.

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

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

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

Administration

UCF Regional Campuses Administration

1401 Research Parkway, Suite 101
Orlando, 32626; 407-823-4547

Interim Vice Provost, UCF Regional Campuses ...... Joyce Dorner
Senior Administrative Assistant .......................... Dania Suarez
Associate Vice President, Executive Director, Academic Initiatives .......................... TBA
Assistant Director, Academic Initiatives .................. Cyndi Thomas
Facilities Scheduler .................................. Denise Devlin
Coordinator, Statistical Research ...................... Jeanne Walker
Assistant Vice President, Student Services ............ A.J. Range
Office Assistant ........................................ Kenya Cabrera

Assistant Director, Regional Campus Transfer ........ Angé Peterson
Director, Enrollment Services .................. Deborah Bradford
Marketing Account Executive ......................... Michelle Fuentes
Web Designer .................................. Tony Recascino
Network Engineer .................................. Kirk Henry
Senior Broadcast Technologist ........................... Calston Llwellyn
Director, Academic Advising ............................. Helen Hill
University of Central Florida/Campuses

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

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

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

Undergraduate Degree Programs
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) College of Business Administration
Nursing (R.N. to B.S.N.) College of Nursing

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

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

Undergraduate Degree Programs
Applied Science (B.A.S.) College of Education
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology and Supervision and Administration

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

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

Undergraduate Degree Programs
Applied Science (B.A.S.) College of Education
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration

Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) College of Health and Public Affairs

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

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

Undergraduate Degree Programs
Applied Science (B.A.S.) College of Education
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration

Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) College of Health and Public Affairs

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

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

Undergraduate Degree Programs
Applied Science (B.A.S.) College of Education
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, Supervision and Administration

Business Administration (B.A.) College of Business Administration
Criminal Justice (B.A., B.S.) College of Health & Public Affairs
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) College of Health & Public Affairs

Undergraduate Minors
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Mathematics Education (B.S.) College of Education
Nursing (R.N. to B.S.N.) College of Nursing (concurrent with SCC A.S.N.)
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education
Social Sciences (B.S.) College of Sciences
Undergraduate Minors
Business (For non-business majors only)
Criminal Justice
English - Writing
Health Services Administration
History
Interpersonal Communication
Legal Studies
Organizational Communication
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

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, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
  Early Childhood Education (B.S.) College of Education
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A.) Office of Interdisciplinary Studies
  Mathematics (B.S.) College of Education
Psychology (B.S.) College of Sciences
Sports and Fitness (B.S.) College of Education
Social Science Education (B.S.) College of Education

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

UCF South Orlando
407-856-6585
7300 Lake Ellenor Drive, Orlando, FL 32809

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

UCF Valencia West
407-582-5500
(In partnership with Valencia Community College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
  Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Architecture (B.D.) College of Arts and Humanities
Business Administration (B.A.) College of Business Administration
Electrical Engineering (3rd/4th year) (B.S.E.E.) College of Engineering and Computer Science
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (see an advisor)
Nursing (R.N. to B.S.N.) College of Nursing
Psychology (B.S.) College of Sciences

Graduate Degree Programs
Business Administration (Cohort, Professional M.B.A. track)

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

General Regional Campus information:
Web site: http://www.regionalcampuses.ucf.edu
Programs are offered via multiple delivery methods: web, video-streaming, face-to-face, and ITV. 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 Senate in 1976. The Research Park is a cooperative effort between UCF, the Orange County Research and Development Authority, and the Orange County Board of County Commissioners (which appoints the members of the Authority). The governing body of the Research Park is the Orange County Research and Development Authority.

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

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

The Central Florida Research Park consists of over 1,000 acres of land. Businesses desiring a “university relationship” can purchase or lease land in the Research Park on which to construct a facility or 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 over $420,000 in state funds to match $600,000 in contributions from private sources within a five-year period.

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

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

William S. and Alice M. 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 Haran.

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

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 1988 and dedicated to teaching and research in optical sciences and engineering. Chair: TBA.

The Darden Eminent Scholar Chair in Restaurant Management: Created in 1998 to ensure excellence in restaurant management. 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.
Residences & Departments

Dr. Neil Euliano Chair in Italian Studies
Created in 2007 to strengthen and Florida 21st Century Chair.

Lockheed Martin Academy in Math and Science Education
A. Bushy.

Al and Nancy Burnett Eminent Scholar Chair in Accounting
Created in 2005. This is the first chair to be established at the Daytona Campus. It is designed to improve nursing education and ease the shortage of nurses. Chair: Angeline A. Dieker.

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.

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

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

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

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

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

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

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

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

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

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

Dr. Neil Euliano Chair in Italian Studies
Created in 2005. This is the first Chair in Italian Studies in the State of Florida and is designed to support the teaching and research of an internationally recognized scholar of Italian and Italian American Culture. Chair: Paolo Giordano.
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 units such as K-9, marked motorcycle units, bicycle patrol units and all terrain vehicles to meet the unique needs of an expanding urban university.

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

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

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


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

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

University Libraries
Director of University Libraries: Barry B. Baker; LIB 512; 407-823-2564 http://library.ucf.edu
Associate Director for Administrative Services: Frank R. Allen; LIB 512; 407-823-2892
Associate Director for Public Services: Meg K. Scharf; LIB 512; 407-823-2564
Assistant Director for Systems & Technology: Selma K. Jaskowski; LIB 512; 407-823-5444

University Libraries offers a variety of information resources and services. An extensive resource collection includes 1.9 million volumes, 32,000 journal subscriptions, 3.1 million microforms and 48,000 media titles. The Libraries’ rapidly growing electronic resources include 358 databases, 207,000 e-books, and 28,000 electronic journals. UCF Libraries is a partial depository for United States and Florida government publications and U.S. patents and trademarks.

The main library is open 105 hours per week. Operating hours are available on the Web site: http://library.ucf.edu or by calling 407-823-2756. Over 220 computer workstations are available for public use on all five floors of the main campus library. Forty wireless laptops can be checked out for use anywhere in the library building. Wireless technology enables patrons who have laptops with wireless cards to connect to the Libraries’ electronic resources and to the Internet from anywhere in the building. Twenty-eight group study rooms and one presentation practice room are available for students. The main library has two classrooms outfitted with 43 computer workstations for hands-on instruction in the use of electronic resources. Infusion, the Libraries’ newest learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed caption television, and a browsing collection for leisure reading.

The Libraries’ web-based catalog can be accessed from any public, home or office computer or mobile internet device, offering a gateway to hundreds of electronic databases, journals and e-books, as well as the Libraries catalog, Finding 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 web site http://library.ucf.edu/ask/ connects students with a Librarian, where questions are submitted and answered by Instant Messaging or e-mail telephone at 407-823-2562, or through at 407-823-2751-7589. The Libraries supports the development of information literacy skills through the provision of InfoLit modules, http://infolit.ucf.edu/, which provide just-in-time instruction for students on topics such as citing resources and plagiarism. Faculty can include the modules in course work as well.

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

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

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

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

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

Regional Campus Libraries collections and services are available through partner libraries in Cocoa, Palm Bay, Daytona Beach, Clermont, Sanford/Lake Mary, Ocala, Kissimmee, Leesburg, and Metro West. The university partners with local community colleges to provide complete information services. Two examples of Web sites customized for Regional Campus needs are the
Campus Bookstores
UCF’s main campus is home to two Barnes & Noble bookstores.

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

Knights Plaza Location
The Barnes & Noble @ UCF, located next to the UCF Arena in Knights Plaza, is the official headquarters for all of the graduation supplies. It offers a complete line of UCF clothing, logo gift items, general reading books, snacks, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit http://www.shopucf.com or call 407-82-0364.

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

UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 13 stops on campus. They operate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer terms.

An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes nine round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Thursday, during the Fall and Spring semesters, and seven round-trip runs between 7:00 a.m. and 7:45 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the College of Medicine. It makes four round trips between 7:45 a.m. and 6:15 p.m. Monday through Friday.

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

In addition, three LYNX bus routes, Links 13, 30, and 47, serve the UCF campus from Oviedo, Downtown Orlando, Valencia Community College, and East campus. Commuters may connect to most anywhere in the Greater Orlando area. The LYNX buses normally operate at 30 to 60 minute intervals. Route maps may be obtained at the UCF Visitors Information Center and the Information Kiosk at the Student Union. Further details, including rates and information on special passes, may be obtained by calling LYNX at 407-841-8240, or from their Web site, http://golynx.com.

Orlando Shakespeare Theater in Partnership with UCF
Artistic Director: Jim Helsing; 812 E. Rollins St., Suite 100, Orlando FL 32803; E-mail: jhelsing@orlandoshakes.org
http://www.orlandoshakes.org

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

The theater has achieved a position of national recognition, attracting audiences from across the country. The theater has been featured in national publications such as Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. The third year of UCF's Acting MFA in Theatre is spent in residence at the theater. Internships and independent studies for UCF undergraduates are also available with the theater in many departments. $10 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700. For internship information and other questions, contact Artistic Director Jim Helsing.
UCF Alumni Association

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

The University of Central Florida Alumni Association creates alumni awareness and provides resources for members to stay connected to the university and each other through dozens of active chapters and clubs, fun activities and events, and enlightening communication pieces. While alumni are the core member group, membership in the UCF Alumni Association is open to all alumni, friends, students and parents.

Students can join the 4EVER KNIGHTS (4EK) Student Alumni Association, one of the largest on-campus student organizations. 4EK offers its members a wide variety of fun events and valuable benefits including invitations to free ice cream and pizza socials, Movie Knights, Oozefest, Homecoming, 15 percent off logo merchandise in the campus bookstores, restaurant discounts, free scantrons, leadership and scholarship opportunities and much more.

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

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

UCF Foundation, Incorporated

The UCF Foundation, Incorporated is a non-profit, tax-exempt corporation directed by a 44 member community-based Board of Directors that encourages, solicits, receives, and administers private gifts and bequests of property and funds for scientific, educational, and charitable purposes. All gifts to UCF are received and processed through the UCF Foundation for support of the University. Call 407-882-1220 for additional information.
Office of the Vice President for Strategy, Marketing, Communications, and Admissions (SMCA)
Vice President for Strategy, Marketing, Communications, and Admissions: Alfred Harms (Vice Admiral, U.S. Navy [Ret]); Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-2232
http://www.smca.ucf.edu

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

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

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

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

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

Institutional Research (IR) provides information of the highest quality, which is both timely and easily accessible, to facilitate and enhance decision-making, strategic planning, and assessment at UCF. The scope of the unit’s responsibility embodies the university, state and federal agencies, and the general public.

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

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

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

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

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

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

Regional Campuses Transfer Admission, Enrollment Services and Marketing
Assistant Vice President: Angé Peterson; University Towers, 12201 Research Parkway, Orlando 32826; 407-823-4547
http://regionalcampuses.ucf.edu

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

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

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

**Acting Director**: Rasha Daniel; Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando 32826; 407-823-5580

[http://www.reachout.ucf.edu](http://www.reachout.ucf.edu)

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

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

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

Television Services – UCF TV

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

[http://www.ucf.tv](http://www.ucf.tv)

UCF TV showcases the university to the world through innovative original content and strategic programming/partnerships. UCF TV expands and enhances the UCF brand and reputation through strategic storytelling projects that are broadcast on Bright House channels 1, 300 and 1169 and online via UCF’s Web sites and other sites like YouTube, Facebook, etc. UCF TV also provides high-quality video production services to internal and external clients.

Undergraduate Admissions

**Associate Vice President**: Gordon D. Chavis, Jr.; Progress Energy University Welcome Center; 407-823-3000; E-mail: admission@mail.ucf.edu


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

Office hours are: Monday/Thursday 9 a.m. to 7 p.m., Tuesday/Wednesday/Friday 9 a.m. to 5 p.m.

University Analysis and Planning Support

**Director**: Sandra Archer; Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-0285

[http://www.uaps.ucf.edu](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](http://universitymarketing.ucf.edu)

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

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: Mark Gumble; WDSIC 104; 407-823-5896
http://www.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, NCAA Division I academic-athletic eligibility, and career planning goals. ASSA services include:

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

Activity and Service Fee Business Office
Director: Joseph Sciarrino; SU 215; 407-823-5548
http://www.asf.ucf.edu

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

In addition, our office manages the operation of the Student Government Computer Lab located on the second floor of the Student Union and the Student Government Express Print Lab located on the first floor of the Student Union. The Student Government Computer Lab has 42 computer stations available and the Student Government Express Print Lab has 14 computer stations available and provides limited free student development, leadership growth, experience-based learning, values education and civic engagement which lead to overall student success.

The Student Government Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters and attractions. The Student Government Ticket Center is also an authorized TicketMaster Retail Outlet.

Alcohol and Other Drug Prevention and Intervention Services
Director: Tom Hall; COUN; 407-823-0879
http://www.aod.sdes.ucf.edu

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

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

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

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

The sale, service, possession and consumption of alcoholic beverages shall comply with state and federal laws, city and county ordinances, and the licensing agreement with on-campus distributors which allows for the sale and service of alcoholic beverages. In addition, the university has formulated the following policies governing the sale, service, possession and consumption of alcoholic beverages on campus. For more information regarding Alcohol/Drug Policy, visit http://www.aod.sdes.ucf.edu/DFSCA7-09-07.htm#applicable.

You are encouraged to read the full policy at http://policies.ucf.edu/3-115-AlcoholicBeveragesOnCampus.

Campus Faiths & Ministries
Director: Brad Crawford; SU 305; 407-823-5336
http://www.ucfministries.com

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

Career Services
Director: Lynn Hansen; FC 185; 407-823-2361
http://www.career.ucf.edu

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

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

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

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

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

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

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

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

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

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

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

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

The Academic Exploration Program has been developed to provide structured experiences to assist students who have not declared a major. Students are provided major exploration and career development connections as primary advising initiatives so they can make an informed decision on their future major at UCF. AEP has several components including coordinated academic advising services from the first year advising office, major and career exploration programming activities, and online assessments. The program services are also available to first-year students who are unsure about their major choice and to those considering a change of major.

**First Year Experience**
Executive Director: Joe Ritchie; PH 218; 407-823-5105
http://www.fye.sdes.ucf.edu

The First Year Experience Office (combining orientation with extended first-year experiences) includes over 80 programs and services. FYAE and the Strategies for Success course assists entering freshmen and transfer students with their transition to the University of Central Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an FYAE session prior to registering for classes. Students register for the program by visiting the First Year web site at http://www.fye.sdes.ucf.edu. In addition, LINK assists FTIC 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.

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

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

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

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

Last Fall semester, over 200 programs were LINK-connected, giving freshmen numerous opportunities to earn points and get connected to UCF. In the six years since its inception, LINK has awarded $14,300 in LINK Loot Points to freshmen. Students are encouraged to sign up for LINK—especially if they are a First Time In College student. You can start earning points NOW! But don’t wait; LINK is only for first year students and ends in April of Spring semester!

**Fraternity and Sorority Life**
Director: Belinda Boston; SU 154; 407-823-2072
(Greek Council Office, SU 154, 407-823-2072)
http://www.greeklife.sdes.ucf.edu

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the development of national fraternities and sororities by providing advising, services, and programs to ensure all members engage in high-quality undergraduate fraternal experiences that reinforce the organization’s founding principles: scholarship, community service, campus involvement, leadership and personal development.
Division of Student Development And Enrollment Services

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

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

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

Health Services

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

http://www.hs.ucf.edu

Every health fee paying student is entitled to the benefits provided through UCF Health Services (HS), which are outlined in printed material available at the Health Center or on its Web site at http://www.hs.ucf.edu.

UCF Health Services is accredited by The Accreditation Association for Ambulatory Health Care. The mission of the University of Central Florida Health Services is to provide quality, outpatient clinical care and health promotion services that educate and motivate persons to maintain the optimal health of students by health care workers who welcome diversity and are committed to excellent, affordable, confidential and compassionate services that meet accreditation standards and enhance students’ learning experience in matters of personal health and well being.

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

The UCF Health Center is staffed by Board-certified physicians, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical assistants and a full complement of other medical support personnel who provide laboratory and radiology services. The state-of-the-art 50,000 square-foot Health Services building is central located on the UCF Orlando campus. Students at the Rosen College of Hospitality Management have the option of health care services at the Rosen Medical Clinic close to campus or at UCF HS on the Orlando campus. Medical conditions that require specialty care services are referred to specialists in the greater Orlando area according to the patient’s preference.

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

An optional health and accident insurance plan for students by Aetna Student Health Insurance (http://www.aetnahealthstudent.com) that is endorsed by UCF may be purchased by response to periodic mailers or by calling Aetna Student Health Insurance Office (407-823-6426). 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 fee. Services include, but are not limited to mental referrals and mental health care (subject to co-pays and deductibles). Charges incurred outside the campus are the responsibility of the student, including transportation by ambulance.

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

The UCF Pharmacy and Knight Aide are state-of-the-art facilities, staffed by Pharmacist passionate about patient education and providing excellent customer service. Patients are individually counseled and provided with written drug information. Each prescription is monitored for duplicate therapy, drug allergies and interactions. The Pharmacies accept over 250 prescription insurance plans and offer competitive prices for those students who do not have coverage.

The UCF Pharmacy is located on the first floor of the Health Center. Knight Aide, our satellite pharmacy which features an expanded pharmacy, is located in Knight’s Plaza - near the UCF Arena and Towers residence halls.

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

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

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

Wellness Center

Assistant Director for Health Promotion: Peter Mastroianni; RWC 111; 407-823-5841
http://hs.ucf.edu/wellness

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

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

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

Most wellness programs offer LINK Loot and Healthy Knight points.

Housing and Residence Life

Director: Christi Hartzler; HAB; 407-823-4663
http://www.housing.ucf.edu

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

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

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

More information on the different housing options, rates, floor plans, etc. is available online at http://www.housing.ucf.edu.

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

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

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

The primary goal of the LEAD Scholars Program is to prepare stu-dents to be effective leaders in personal, professional, and civic communities. This goal is achieved through three venues: academic excellence, leadership, and community service.

Students are integrated with faculty in two-credit hour leadership courses that provide the primary means for facilitating the focus for study, advisement and educational activities as it relates to leadership, academic excellence and community service. First Time In College students from any major are eligible to apply to the LEAD Scholars Program.

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

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

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

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

Off-Campus Student Services and Student Neighborhood Relations (OCS-SNR)
Assistant Vice President and Director: Jimmy Watson; HAB 101; 407-823-6505
http://www.housing.ucf.edu/offcampus/

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

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

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

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

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

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

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

The Recreation and Wellness Center (RWC) supports and strength-ens 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 partici-pation include the application of leadership, decision-making, problem solving, conflict management, communication and social skills. We strive to provide the safest, cleanest, highest quality, most dependable and enjoyable services.

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

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

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

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

Challenge Course:
- High Elements; 10 total; on two levels between 25-45 ft.
- Low Elements; 11 total
**Division of Student Development and Enrollment Services**

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

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

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

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

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

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

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

**Regional Campuses Student Services**
Assistant Vice President: A.J. Range; University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826; 407-823-4547
Director, Student Services, UCF Daytona Campus: Diana Weidman; 386-506-4024; E-mail: erss@mail.ucf.edu
Director, Student Services, UCF Cocoa and UCF Palm Bay Campuses: Terry Exum; 321-433-7950; E-mail: srsst@mail.ucf.edu
Director, Student Services, UCF South Lake, UCF Leesburg and UCF Ocala Campuses: Pamela Brady; 352-536-2219; E-mail: wss@mail.ucf.edu
Coordinator, Student Services, UCF Valencia West, UCF Valencia Osceola and UCF South Orlando Campuses: Carol Black; 407-582-5487
Coordinator, Student Services, UCF Sanford/Lake Mary Campus: TBA; 407-705-2471

The UCF Regional Campuses Student Services offices at the Daytona; Cocoa/Palm Bay; South Lake, Ocala, Leesburg; Sanford; Lake Mary; Valencia West, Valencia Osceola and South Orlando campuses 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; E-mail: registrar@mail.ucf.edu [http://www.registrar.ucf.edu](http://www.registrar.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.

**Veteran Services**
Assistant University Registrar: James Middlekauff; MH 161; 407-823-2700; [http://www.va.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. The office also provides related counseling for personal and academic concerns and referral to various community agencies. Veterans and eligible dependents must be certified through Veteran Services each term to receive VA educational benefits. The office monitors the academic progress of all VAE receiving 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.

Students eligible for VA educational benefits must certify each term with Veteran Services after they enroll for classes. To maintain eligibility for VA education benefits, students must adhere to the policies and procedures for VA educational benefits. A copy of the “Student Veteran Handbook” can be obtained on the GI Bill Web site ([http://www.gibill.va.gov/](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 not awarded for experience, military skills level and/or special certifications. Transfer credit is awarded per the recommendations of the American Council on Education (ACE) Guide, based upon courses and/or training listed on the DD Form 214, SMARTS, ARTS, or other official military record. U.S. Air Force veterans must coordinate with the Community College of the Air Force to provide official CCAF transcripts to the Undergraduate Admissions Office.

Students eligible for VA educational benefits may also be eligible for a VA deferment of tuition and fees. The VA Deferment due date is contained in the “Academic Calendar.” Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferment. For Fall and Spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9 to 11 credit hours for three-quarter time benefits, and 6 to 8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on VA Chapter. Check Veteran Services Web site for Summer term course load and other FAQs.
Students currently enrolled at UCF and another institution may receive VA educational benefits, but first must complete the appropriate Transient Form and consult with Veterans Services. Veterans and eligible dependents who wish to change their major, or pursue a dual major, dual degree, or who add a minor may receive VA educational benefits but must obtain approval from DVA before taking any of the applicable courses. This includes a minor in military science. NOTE: some majors may have extra elective hours that can be used for courses for a minor or another major.

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct. Accordingly benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the University. If reinstated by the University following disqualification, exclusion, suspension, or expulsion, the veteran or eligible dependent must contact Veterans Services to have their VA educational benefits re-activated.

Individuals placed on academic probation will continue to receive benefits as long as he or she earns a 2.0 or higher GPA each term. For students who fail to maintain satisfactory academic progress, benefits will be terminated once the required credit hours of course work for the program of study are completed, regardless of the GPA or eligibility for graduation. Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.

**Rosen College of Hospitality Management Student Life**

**Assistant Director:** Tiffany Greens; 9907 Universal Blvd., Suite 204-F, Orlando, FL 32819; 407-903-8150

Student's campus life needs are met at the Rosen College of Hospitality Management campus through the Student Life Office. Staff members there can assist students in finding off-campus housing, providing help with the residence hall’s registration process, explaining the rooming guide, converting a meal plan, and answering other housing-related questions. Rosen College of Hospitality Management Student Life also provides information on Cooperative Education programs and the benefits available while participating.

The Supplemental Instruction (SI) program focuses on providing academic assistance to courses for a minor or another major. These peer-led study sessions give students in these courses an opportunity to meet outside of class to compare notes, discuss important concepts, and develop strategies on how to learn the subject matter.

Free peer tutoring is also available for many UCF subject areas, such as accounting, physics, statistics, and biology, to name a few. In total, SARC provides individual and group tutoring for more than 25 subject areas.

Each semester, SARC also offers a series of academic success workshops designed to address common student issues. Among these are test-taking strategies, time management, goal setting and classroom etiquette. Additionally, preparatory workshops are offered for the math portion of the General Knowledge exam.

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

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

**Student Disability Services (SDS)**

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

http://www.sds.ucf.edu

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

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

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

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

**Student Government Association**

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

http://www.sga.ucf.edu

The Student Government Association’s purpose is to represent student views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student Government Association also provides numerous services that affect student life. These services include free printing in the SGA computer lab, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knights of the RoundTable, and Knightcast, and much more.

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

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

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

**Office of Student Rights and Responsibilities**

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

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) combines Student Legal Services, Dispute Resolution Services, and the Office of Student Conduct. OSRR 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. Our office resources are more effectively used by combining the three services. OSRR also publishes The Student Handbook, The Golden Rule, which contains more detailed information on student life. Copies of The Golden Rule can be obtained at OSRR, or can be viewed on the internet at http://www.goldenrule.sdes.ucf.edu. This office also advises the Golden Rule Review Committee which is a standing committee of students charged with making recommendations for updating the Golden Rule Student Handbook.

**Dispute Resolution Services**

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

Dispute Resolution Services enhances the university community by offering mediation training and services directed at resolving interpersonal conflicts while promoting individual responsibility. Mediation is a private, voluntary, decision-making process in which one or more impartial persons (mediators) assist people, organizations, and communities in conflict to work toward a variety of goals. This service is available to the university community and is encouraged for those who determine whether in resolving their differences. Mediation training is conducted several times each semester and is offered at two different levels: 1) a basic introduction to conflict resolution skills and mediation techniques session; and 2) an advanced mediation techniques session. Mediation services are provided to UCF students, faculty, and staff at no charge. Mediation training is provided to students at no charge, and to faculty and staff at a low cost. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the university community.

**Office of Student Conduct**

**Associate Director:** Dana Juntunen; FC 142; 407-823-4638 http://www.osc.sdes.ucf.edu

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

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

**Student Legal Services**

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

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

**Student Union**

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

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

**Transfer and Transition Services**

**Director:** Charlene A. Stinard; PH 221; 407-823-2231 http://transfer.sdes.ucf.edu

Transfer and Transition Services helps transfer students make a seamless transition for a more successful experience at the University of Central Florida. The office provides the following resources and services:

- General advising and referral for transfer students before and after they enroll at UCF;
- Referral to DirectConnect advisors at partnering community colleges: Brevard, Lake Sumter, Seminole, and Valencia
- Community Colleges;
- Advising for transfer students who are undeclared majors, undeclared, or changing majors;
- Current information about university programs and policies including entrance and exit requirements;
- Advocacy and assistance in resolving transfer issues;
- Transition advising services for currently enrolled juniors and seniors who are 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 Piety; PH 106; 407-823-6109 http://www.testing.sdes.ucf.edu

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

UTC administers the following national standardized examinations:

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

**Upward Bound Program**

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

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

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

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

The Office of Undergraduate Admissions seeks to attract students who are motivated, creative, and committed to academic excellence. The office will accomplish this through personal contacts, strategic communication, information management, and targeted recruitment.

The office is dedicated to providing quality customer service through effective teamwork and through the development of collaborative partnerships with both internal and external communities.

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

Campus Visit Experience

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

Meetings with admissions representatives to discuss particular concerns about admission to the University are available. You may contact the Undergraduate Admissions office at 407-823-3000 or visit us at our Web site. Information sessions and campus tours are also available for students interested in our Rosen College of Hospitality Management on International Drive. Please contact them at 407-903-8000 for further information.
Application for Admission
All interested applicants should complete the University of Central Florida “Undergraduate Admissions Application” online at http://www.admissions.ucf.edu and submit the $30 (in U.S. Currency), non-refundable application fee. Students should apply several months in advance of an anticipated start date. Questions concerning admission requirements and applications can be forwarded to admission@mail.ucf.edu.

Applications for admission can be submitted up to several months prior to the start of the term desired. The priority application deadlines are May 1 for the Fall semester (July 1 for Transfer students), November 1 for the Spring semester, and March 1 for the Summer term. The priority deadline for most financial assistance and scholarships is March 1. Information and an application for University housing can be found at http://www.housing.ucf.edu. Requests for housing are subsequently reviewed by date of the receipt of the housing application.

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

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

Applicants must request that official transcripts from each educational institution attended be forwarded directly to the Undergraduate Admissions Office. To be considered official, all supporting applications documents must be received directly from the issuing institution or testing agency. All final supporting documents (official transcripts and test scores) must be received by Undergraduate Admissions no later than 6 days after the first day of classes.

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

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

Reactivation
Students who have submitted an application for admission to UCF as a degree-seeking student and do not attend, may reactivate the original application within one year of the term for which they first applied. To update the application, students should complete the Reactivation Form online at https://www.admissions.mca.ucf.edu/secure/react_app_login.asp by the published application deadline date. This process reactivates the 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 students offered admission to the University or may be viewed on the Web site at http://fye.ucf.edu/.

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

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

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

Freshman Applicants
Any FTIC student who meets Department of Education minimum admission requirements is encouraged to submit an application. Meeting these minimum requirements does not guarantee admission. The University will do everything possible to admit all qualified applicants who apply by the priority deadline date. If the number of qualified applicants exceeds the number the University is permitted to enroll, admission will be on a selective basis. An applicant’s total high school record (including grades, test scores, educational objective, quality of courses completed, counselor recommendations, essay, and personal achievements and honors) will be considered in the selection process. The University reaffirms its Equal Educational Opportunity (EEO) commitments and seeks to increase diversity among the student body.

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

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

High School Academic Units and Grade Point Average
All applicants must have earned a minimum number of high school academic units (year-long courses that are not remedial in nature) to be considered for admission. A grade point average (GPA) will be computed only on academic courses. Grades in International Baccalaureate (IB), Advanced Placement (AP), Cambridge Advanced International Certificate of Education (AICE), honors and dual enrollment courses will be given additional weight in the computation of the academic GPA. The high school academic unit requirements are as follows:

<table>
<thead>
<tr>
<th>Academic Subjects</th>
<th>Units Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (three of which must have included substantial writing)</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics (at or above the Algebra I level)</td>
<td>4</td>
</tr>
<tr>
<td>Natural Science (two of which must have included substantial laboratory requirements)</td>
<td>3</td>
</tr>
<tr>
<td>Social Science (included: history, civics, political science, economics, sociology, psychology, and geography)</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language (both credits must be in the same language)</td>
<td>2</td>
</tr>
<tr>
<td>Additional academic electives from the above five subject areas and courses recommended by the Florida Assn. of School Administrators, other groups, and courses recommended by the Articulation Committee and approved by the Department of Education</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units 18
Undergraduate Admissions

Applicant Eligibility

All applicants must meet the following Department of Education (DOE) minimum eligibility index standards to be considered for admission:

If the High School GPA is:  

<table>
<thead>
<tr>
<th>HS GPA</th>
<th>Minimum test scores must be:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>SAT 1680 or ACT 25</td>
</tr>
<tr>
<td>2.1</td>
<td>SAT 1620 or ACT 24</td>
</tr>
<tr>
<td>2.2</td>
<td>SAT 1620 or ACT 24</td>
</tr>
<tr>
<td>2.3</td>
<td>SAT 1560 or ACT 23</td>
</tr>
<tr>
<td>2.4</td>
<td>SAT 1510 or ACT 22</td>
</tr>
<tr>
<td>2.5</td>
<td>SAT 1450 or ACT 21</td>
</tr>
<tr>
<td>2.6</td>
<td>SAT 1450 or ACT 21</td>
</tr>
<tr>
<td>2.7</td>
<td>SAT 1450 or ACT 21</td>
</tr>
<tr>
<td>2.8</td>
<td>SAT 1450 or ACT 21</td>
</tr>
<tr>
<td>2.9</td>
<td>SAT 1390 or ACT 20</td>
</tr>
<tr>
<td>3.0</td>
<td>SAT 1390 or ACT *</td>
</tr>
</tbody>
</table>

*No minimum score required.

Each State university reserves the right under DOE rule (6C6.002) to establish admission criteria that exceed DOE minimums.

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

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

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

- A student must have two years of one foreign language in high school or the equivalent (minimum eight credit hours) at the post-secondary level, to be offered admission.

Dual Enrollment Applicants

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

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

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

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

Transfer Applicants

UCF welcomes transfer applications to the University. Students should apply online at http://www.admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Undergraduate Admissions Office computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades effective Fall 2001, but only recognizes grade forgiveness when it is used as part of an awarded State articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college, Florida public state college, or Florida public university. Applicants must have a current minimum GPA of 2.0, and must have a cumulative minimum GPA of 2.0 and be in good standing as a degree seeking student at the last institution attended to be considered for admission to UCF. Meeting these minimum requirements does not guarantee admission.

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

Transfer students are encouraged to review the current edition of UCF’s “Transfer Counseling Manual” available in Florida public community college counseling offices. The manual provides the recommended community college course requirements for all majors as well as other helpful information.

Transfer Applicants With Fewer Than 60 Credit Hours

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

Transfer Applicants With an A.A. Degree From a Florida Public Institution

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

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

Any student admitted without two years of one foreign language in high school or the equivalent (minimum eight credit hours) of such instruction at the post-secondary level, must satisfy the admission requirement prior to graduation. Florida Community College Associate in Arts graduates are guaranteed the following rights under the Statewide Articulation Agreement (State Board of Education Rule 6A-10.024):

1. Admission to one of the eleven state universities, except to “limited access” programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
Undergraduate Admissions

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

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

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

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

- A minimum of 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule; and,
- A minimum of eight credit hours of college instruction in a single foreign language. This requirement applies to those students without the required two units of a single foreign language in high school.

Meeting these minimum requirements does not guarantee admission.

Second Bachelor’s Degree Applicants

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

- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office. Students should complete the regular undergraduate admissions application;
- Students who have attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar’s Office. These students complete the “Readmission Application” form.

Credits From a Previous Baccalaureate Degree

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

Transient Student Applicants

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

Limited Non-Degree Seeking Applicants

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

Programs using the Limited Non-Degree Seeking status include:

- High school Dual Enrollment
- Soldiers-to-Scholars

Continuing Education
- Regional Campuses
- Off-campus credit
- Teacher Certification or re-certification

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

1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification;
2. Students who have been previously denied admission or disqualified for enrollment are not eligible;
3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students;
4. Registration is permitted on a space-available basis;
5. A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student;
6. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from enrolling without admission to a degree or certificate program;
7. Limited Non-degree students are not eligible to receive financial aid 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.

International Applicants

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

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

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

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

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

Results of the SAT or ACT may be required if the student has earned less than 60 credit hours of college credit. Information regarding these examinations may be obtained from the College Board (SAT), P.O. Box 592, Princeton, NJ, 08540 or from ACT, P.O. Box 414, Iowa City, Iowa, 52243. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.
Applicants must file a “Certification of Finances” form and supporting financial documents indicating financial support to cover educational and other expenses for the first year of study with the International Services Center. This form and other required documents must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.

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

<table>
<thead>
<tr>
<th>Josef Silny and Associates</th>
<th>World Education Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>7101 SW 102 Ave.</td>
<td>P.O. Box 5087</td>
</tr>
<tr>
<td>Miami, FL 33173</td>
<td>Bowling Green Station</td>
</tr>
<tr>
<td>(305) 279-1616</td>
<td>New York, NY 10274</td>
</tr>
<tr>
<td>(212) 966-6311</td>
<td></td>
</tr>
</tbody>
</table>

Mandatory Health Insurance for International Students on F-1 and J-1 Visas
Each international student on an F-1 or J-1 visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage to UCF Health Services to comply with the State of Florida mandatory health insurance requirement for F-1 and J-1 students. Minimum coverage limits are posted on the Health Services Web site at http://www.hs.ucf.edu. Written proof of insurance must also be provided. If the insurance is issued by a foreign carrier or underwriter, a statement must be provided in English to assure that the policy meets the State of Florida minimum levels of insurance coverage.

The University reserves the right to refuse registration to any international student on an F-1 or J-1 visa who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance. 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 407-823-3707 or go to their Web site noted above.

Non-Academic Admission Clearances
Florida Department of Education Rule 6C-6.001(2) authorizes universities to refuse admission to applicants due to past misconduct. The University further requires the Vice President of Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University, shall be denied admission or readmission, or may be required to withdraw from the University, including but not limited to academic dismissal.

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

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

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

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

All college level credits earned for which official transcripts have been submitted will be compiled into a “Transfer Summary Report” (TSR) soon after the student is offered admission. Some credits listed on the TSR may not be applicable toward graduation course requirements. The TSR will be the basis for constructing a Degree Audit, which applies earned credits to the intended degree program. The Degree Audit provides the student with an understanding 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 Florida public community colleges or universities may satisfy the General Education Program requirements of UCF by completing the general education program prescribed by that institution. Transfer applicants with incomplete general education programs will have their credits evaluated on a course-by-course basis.

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

Credits From Military Service School Courses
Completed military service school courses may be evaluated on the basis of the recommendations of the American Council of Education (ACE) when official credentials have been properly presented. While credit may be granted when courses are equivalent to those offered by the University, recommendations by the ACE are not binding upon the University.

Military credit is not accepted through transfer unless used as part of an Associate in Arts degree from a Florida public community college. Even though military records may have been evaluated by another regionally-accredited institution, it is important to have official credentials sent to UCF for evaluation. Credit is not awarded for basic training.

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

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

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

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

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

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

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

- If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Stafford Loan, and Federal PLUS Loan;
- Students should not wait to be admitted to UCF before applying for financial aid;
- Federal Pell Grants and Federal Stafford Loans are available on a year-round basis. Students may apply for financial aid in advance of any term and receive aid from these programs, if eligible;
- Students who apply for aid and whose file is completed after July 15th should not expect their aid to be paid until well after the beginning of the fall semester;
- A broad range of scholarships is available with diverse criteria. Please review the Scholarship Listing on the Web site for specific deadline dates for individual scholarships.

Application Procedures
- The FAFSA can be filed electronically at http://www.fafsa.ed.gov. A link is provided on the Web site and on myUCF.
- Messages from the federal processor should be reviewed thoroughly;
- Review all correspondence, follow instructions on the Student Aid Report, and follow through promptly. Delays can be costly as well as frustrating;
- Federal Regulations require that some students be selected for Verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Sometimes subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests for additional documentation will expedite completion of this process;
- Offered federal funds and other need-based financial aid are not considered firm until Verification is complete and all necessary corrections have been made.
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.
- Make a copy of tax return forms before submission to IRS.
- 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.)
- Maintain a current e-mail and mailing address on myUCF at all times at https://my.ucf.edu.
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered.
- Respond promptly to all information requests.
- If there are extenuating circumstances or problems at anytime, call the appointment line, 407-823-5285, to meet with a counselor.
- Comprehensive information can be found on the Web site: http://finaid.ucf.edu.

School Costs

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

Specific Eligibility Requirements and Conditions for Receiving Financial Aid

- Students must be accepted and classified as degree-seeking at UCF in an eligible program.
- Students must maintain UCF’s Standards for Satisfactory Academic Progress.
- Students are required to inform the Office of Student Financial Assistance of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may necessitate a revision of the financial aid award(s). This includes, but is not limited to, any private scholarships or third party tuition payment waivers.
- Students may not receive aid in excess of their Cost of Attendance.
- Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution.
- Students must provide all information requested for the completion of their file. If selected, Verification must be completed within specified deadlines and prior to the receipt of all federal and most state and institutional funds.
- Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA.
- Students must reapply annually for financial aid.
- Students must accept, reduce or decline offered loan/s on the myUCF View Financial Aid screen, complete an online Entrance Interview if it’s your first time borrowing at UCF, and all borrowers must complete a new Master Promissory Note (MPN) for a Federal Stafford Loan at UCF.
- Students must be a U.S. citizen or an eligible non-citizen, (e.g. resident alien). Eligible non-citizens include I-151, I-551, and I-688 cardholders as well as some I-94 classifications.
- Students must have a high school diploma or GED certificate.
- For need based programs students must show a financial need as determined by the FAFSA.
- A male applicant must be registered with Selective Service, if applicable.

Program Eligibility Charts

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

Award Notification

Award notifications are mailed to first time UCF students after March 15th, while e-mail 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 Web site. When requirements are no longer met, awards will be adjusted as necessary and will appear on myUCF. All awards are subject to change.

Deferrals of Tuition and Fees

Financial aid awards will normally result in a deferment of tuition and fee payments. Deferrals allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three weeks after the term begins. Students are responsible to pay any

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

Estimated Cost of Attendance for 2010-2011

<table>
<thead>
<tr>
<th>Florida Residents</th>
<th>Non-Florida Residents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living Arrangement</td>
<td>On/Off Campus</td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>$4,518</td>
</tr>
<tr>
<td>Books</td>
<td>924</td>
</tr>
<tr>
<td>Room &amp; Board</td>
<td>8,574</td>
</tr>
<tr>
<td>Transportation</td>
<td>1,800</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>2,276</td>
</tr>
<tr>
<td>Total Costs</td>
<td>$18,092</td>
</tr>
</tbody>
</table>
Student Financial Assistance

amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the Web site for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments are also subject to change. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. Students selected for Verification will not have access to accept their loans until all required documentation has been submitted and Verification has been completed. Students must drop classes prior to the end of Add/Drop in order not to be fee liable for those classes. If students do not drop classes, a financial aid deferment may keep the classes active even if they are never attended.

Disbursements

Financial aid disbursements begin the second week of each term. Students should be aware of this so they are prepared to use their personal savings for anticipated expenses such as books and supplies at the beginning of the term. The Short Term Advance (STA) for Books or The Textbook Purchase Program is available for students to help with these expenses. The STA application is available for download prior to each term, so that funds may be available as early as the week before the first day of classes. For additional information regarding these two programs, visit: http://finaid.ucf.edu/receiving/disbursements.html. Students who apply late for financial aid should be prepared to cover their own living expenses, out-of-pocket, well into the term. When financial aid disburses, the funds first apply towards university debts. Any remaining balance is refunded to the student one of two ways. If a student has provided his/her bank information to set up Direct Deposit on myUCF, then the refund is deposited into the student’s bank account. Otherwise, a check is mailed to the student’s current mailing address listed on myUCF.

Satisfactory Academic Progress (SAP)

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

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

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

- 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)

<table>
<thead>
<tr>
<th>Classification</th>
<th>Maximum UCF Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>All Freshman</td>
<td>Undergraduate, 180 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Sophomores</td>
<td>135 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Juniors</td>
<td>90 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Seniors</td>
<td>45 Attempted UCF Hours</td>
</tr>
<tr>
<td>Second Degree</td>
<td>60 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist Degree-Seeking</td>
<td>100 Attempted Hours (Including all Graduate Hours)</td>
</tr>
<tr>
<td>Doctor of Medicine</td>
<td>120 Attempted Hours (Including all Graduate Hours)</td>
</tr>
</tbody>
</table>


Re-establishing Eligibility after Cancellation

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

If the student was canceled for the failure to complete 70% of the attempted hours and since cancellation, he/she has brought up the percentage to a minimum of 70%, the student may appeal to the committee for reinstatement, at that time.

To appeal, the student must:

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

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

Transfer Students

Transfer aid evaluation of some programs is 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, 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 award year;
- you are or will be enrolled in a master’s or doctoral program (beyond a bachelor’s degree) at the beginning of the academic year;
- you have children who receive more than half their support from you;
- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30th of the school year;
- you are currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a Veteran of the U.S. Armed Forces. (“Veteran” includes students who attended a U.S. Service Academy and who were released under a condition other than dishonorable.)
- at age 13 or older, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless;
- you were determined, by the director of an emergency shelter program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless;
- 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.
Dual Enrollment
Students who have been approved to take classes at another institution while attending UCF might have those hours counted toward meeting financial aid requirements for some programs at UCF. Dual enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:
1. Dual Enrollment/Transient Form
2. Advisor Certification Form with all required signatures;
3. A copy of the Fee Invoice and class schedule from other institution confirming that the classes and hours enrolled match the Transient Student Form; and,
4. A completed Consortium Agreement Form signed by the financial aid office of the transient school.

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

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

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

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

Professional Judgment
The formula used to determine eligibility for federal student aid is basically the same for all applicants. However, in some cases, special circumstances may be taken into consideration. Students with extenuating circumstances should schedule an appointment to review the situation with a counselor. There must be a very good reason to make any adjustments and proof must be provided to support any adjustments.
STUDENT TUITION AND FEES

2009-2010 Fee Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Undergraduate (5000-7999)</th>
<th>Non-Florida Resident (0000-4999)</th>
<th>Non-Florida Resident (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$88.59</td>
<td>$237.56</td>
<td>$88.59</td>
<td>$237.56</td>
</tr>
<tr>
<td>Differential Tuition*</td>
<td>$8.41</td>
<td>0.00</td>
<td>$8.41</td>
<td>0.00</td>
</tr>
<tr>
<td>Out-of-State</td>
<td>0.00</td>
<td>0.00</td>
<td>$401.41</td>
<td>$73.74</td>
</tr>
<tr>
<td>Building Fee</td>
<td>$2.32</td>
<td>$2.32</td>
<td>$2.32</td>
<td>$2.32</td>
</tr>
<tr>
<td>Capital Improvement Fee</td>
<td>$2.44</td>
<td>$2.44</td>
<td>$2.44</td>
<td>$2.44</td>
</tr>
<tr>
<td>Financial Aid Fee</td>
<td>$4.42</td>
<td>$11.87</td>
<td>$4.42</td>
<td>$11.87</td>
</tr>
<tr>
<td>Non-Resident Financial Aid Fee</td>
<td>0.00</td>
<td>0.00</td>
<td>$24.57</td>
<td>$37.74</td>
</tr>
<tr>
<td>Activity and Service Fee</td>
<td>$10.64</td>
<td>$10.64</td>
<td>$10.64</td>
<td>$10.64</td>
</tr>
<tr>
<td>Athletic Fee</td>
<td>$12.68</td>
<td>$12.68</td>
<td>$12.68</td>
<td>$12.68</td>
</tr>
<tr>
<td>Health Fee* (per hour)</td>
<td>$8.99</td>
<td>$8.99</td>
<td>$8.99</td>
<td>$8.99</td>
</tr>
<tr>
<td>Transportation Access Fee*</td>
<td>$7.94</td>
<td>$7.94</td>
<td>$7.94</td>
<td>$7.94</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$4.42</td>
<td>$11.87</td>
<td>$4.42</td>
<td>$11.87</td>
</tr>
</tbody>
</table>

Total Per Hour Fees $150.85 $306.31 $666.83 $1099.01

Other Fees: Resident and Non-resident*

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance Learning Course Fee (per hour)</td>
<td>$18.00</td>
</tr>
<tr>
<td>UCF Campus Card Fee (per academic year)</td>
<td>$30.00</td>
</tr>
<tr>
<td>Campus (ID) Card Replacement Fee</td>
<td>$15.00</td>
</tr>
<tr>
<td>Material and Supply Fee (per term; approved courses only – varies per course)</td>
<td>$5.00-$45.00</td>
</tr>
<tr>
<td>International Student Service Fee (per term)</td>
<td>$60.00</td>
</tr>
<tr>
<td>Repeat Course Fee (per hour)</td>
<td>$18.67</td>
</tr>
<tr>
<td>Equipment Fee (per term, for use of equipment)</td>
<td>up to: $300.00</td>
</tr>
</tbody>
</table>

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

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

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

Student Financial Responsibility Statement

Registration at UCF requires students to acknowledge the following financial responsibility statement: “I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the due date, I may be charged a $100 Late Payment Fee, my records will be placed on hold, my account may be referred to a collection agency, and I may incur other financial consequences.”

Payment Procedures

Payment must be received or postmarked no later than the fee payment deadline to be considered on time.

STUDENT TUITION AND FEES

2009-2010 Repeat Course Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Undergraduate (5000-7999)</th>
<th>Non-Florida Resident (0000-4999)</th>
<th>Non-Florida Resident (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$88.59</td>
<td>$237.56</td>
<td>$88.59</td>
<td>$237.56</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
<td>0.00</td>
<td>0.00</td>
<td>$401.41</td>
<td>$73.74</td>
</tr>
<tr>
<td>Building Fee</td>
<td>$2.32</td>
<td>$2.32</td>
<td>$2.32</td>
<td>$2.32</td>
</tr>
<tr>
<td>Capital Improvement Fee</td>
<td>$2.44</td>
<td>$2.44</td>
<td>$2.44</td>
<td>$2.44</td>
</tr>
<tr>
<td>Financial Aid Fee</td>
<td>$4.42</td>
<td>$11.87</td>
<td>$4.42</td>
<td>$11.87</td>
</tr>
<tr>
<td>Non-Resident Financial Aid Fee</td>
<td>0.00</td>
<td>0.00</td>
<td>$24.57</td>
<td>$37.74</td>
</tr>
<tr>
<td>Activity and Service Fee</td>
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<td>$10.64</td>
<td>$10.64</td>
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<td>$12.68</td>
<td>$12.68</td>
</tr>
<tr>
<td>Health Fee* (per hour)</td>
<td>$8.99</td>
<td>$8.99</td>
<td>$8.99</td>
<td>$8.99</td>
</tr>
<tr>
<td>Transportation Access Fee*</td>
<td>$7.94</td>
<td>$7.94</td>
<td>$7.94</td>
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</tr>
<tr>
<td>Technology Fee</td>
<td>$4.42</td>
<td>$11.87</td>
<td>$4.42</td>
<td>$11.87</td>
</tr>
</tbody>
</table>

Total Per Hour Fees $329.31 $0.00 $845.29 $0.00

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

General Information
The Office of Student Accounts is here to serve the students who attend the University of Central Florida by maintaining accurate financial records and communicating with students concerning their accounts.

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

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

Fees are subject to change with 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.

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

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

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

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

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

Acceptable forms of payment:
- Cash (Main Cashier's Office)
- Checks
- Credit cards
- E-Pay — [http://my.ucf.edu] — E-Check or credit card — nonrefundable $10 convenience fee per transaction. Payments made at any time on the date of the published fee payment deadline will be considered on time.

Mail — Please do not send cash — Include the student's name and PID on checks or money orders.

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

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

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

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

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

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

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

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

Tuition Waivers
State of Florida Employees Tuition Waiver
Full-time state employees may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. State Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar [http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term]. Should the employees register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the employee will be liable for all applicable fees.

The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, third-attempt repeat courses, and co-op, or co-sponsored individual instruction in music, art, or dance, etc. Any state employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed tuition waiver form to the UCF Student Accounts Office (MH 107). Please submit waiver forms by the last day of the Late Add Period. Employees who submit a waiver form after each term’s fee payment deadline will incur a $100.00 Late Payment fee. See the Academic Calendar [http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term] for the fee payment deadlines. Prior to enrolling into courses each term, refer to the Registrar’s Office Web site at [http://www.registrar.ucf.edu/State_UCF.html] for eligibility requirements, course restrictions, and the waiver application form. Students may list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

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

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

Refund of Fees
A refund of fees will be processed under the conditions noted below. The student must submit a written appeal for a refund or other appeal action to the University within six months of the close of the semester/ term from which the refund or other appeal action is requested. Any debts to the University will be deducted from the refund, up to the full amount.
The following conditions allow a full refund: 1) A class is dropped by the end of the Drop period; 2) Cancellation of a course by the University; or 3) The student is denied admission for any reason to a course offered by the University.

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

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

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

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

Do not assume your registration will be canceled if you fail to pay fees or attend classes. Tuition deferrals, for example, will prevent class cancellation for non-payment. Payment guidelines for off-campus registration are contained on the off-campus registration form.

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

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

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

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

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

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

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

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

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

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

3. No contrary evidence establishing residence elsewhere.
4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)
Office will review student requests for changes in residency for poses for all newly admitted students. Thereafter, the Registrar’s Office if they already are enrolled.

admissions office if they have not yet enrolled, or to the Registrar’s Florida residency for tuition purposes shall apply to the appropriate residency qualifications under the above criteria. Students requesting to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar’s Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

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

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

Students entering the second term of enrollment at UCF or later who believe that they qualify for Florida residency must submit the “Residency Reclassification Application and Affidavit” and supporting documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230). This form is available either at the Registrar’s Office or online at http://registrar.ucf.edu. This form must be accompanied by 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.

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 documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230). This form is available either at the Registrar’s Office or online at http://registrar.ucf.edu. This form must be accompanied by 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 request and supporting documents. The submission of documents in itself does not qualify the student for Florida residency for tuition purposes. The Registrar’s Office will evaluate the submitted documents and available information and will render an eligibility determination. UCF is authorized to make discretionary judgments as to residency within the bounds of the law and in reaching this professional judgment will evaluate all documents submitted and information available. No single document shall be conclusive.

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

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

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

Responsibilities

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

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

Freshman (First Time in College - FTIC)

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

New FTIC Students can expect to:
1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, IB and CLEP credit;
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, Explorations Living Learning Community, STEP, 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. Student Academic Resource Center (SARC) - for participants in the College Achievement Program (CAP) or Pegasus Success Program (PH 113)
   d. Multicultural Academic and Support Services (MASS) - for all students in the SOAR program (PH 102)
   e. Sophomore and Second Year Center (SSYC) - for freshman students entering UCF with 45 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (PH 215)

   These offices provide students with general education advising, academic exploration for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year of college. For more information about the first year advising offices and their services, please see the “Student Development and Enrollment Services” chapter of this Undergraduate Catalog.
3. Participate in programs and advising activities that will promote a successful transition from high school to the university.
4. Transition to an academic advising office within the college of the student’s chosen major after the completion of his or her first year.

The Burnett Honors College

New students will:
1. 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 107) and based on the recommendation from their academic advisor and the requirements for University Honors, an Honors Advisor will assist with Honors course selection;
4. Continue to register for classes online;
5. Check their “Fee Invoices/Schedule” to ensure accuracy of class schedule; and,
6. Attend any mandatory Honors advising appointments.

College of Arts and Humanities

Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other issues. CAHSA is located in Colbourn Hall (CNH) room 202 and advisors can be reached by phone at 407-823-3312 or via e-mail at cahsa@mail.ucf.edu. Students can also access CAHSA’s Web site 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 E-Mail 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;
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 e-mail 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 E-Mail 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 E-Mail account.
**Academic Advising**

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

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

**Continuing students will:**
1. Meet with an academic advisor in the USS to review academic progress and develop 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 3000/4000 level classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education;
2. Be advised by the College of Education Office of Student Affairs (ED 110) if their major is Education Pending and be advised in the Academic Advising Center (ED 175) if their major is Elementary Education. Academic advising sessions may be scheduled by calling 407-823-3723 or 407-823-5369; and,
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The academic advisor's name and telephone number appear on the Degree Audit to assist students in making an advising appointment.

**Continuing students will:**
1. Set up an appointment with an academic advisor if accepted in a major or the Office of Student Affairs, if a “pending major”, to review academic advising and to develop an academic plan. Students are expected to review their plan of study each term with an advisor prior to registration;
2. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add period; and,
3. File an "Intent to Graduate" on-line by the end of the term prior to the term in which graduation is intended.

**College of Engineering and Computer Science**

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

**Continuing students will:**
1. Meet with an advisor in the CECS Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECS Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 246;
2. Set up an appointment with an advisor to review your academic progress and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu;
5. Register at the scheduled appointment time in myUCF, or in person in the CECS Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering advisement hold.

**College of Health and Public Affairs**

**New students will:**
Meet college advising representatives in group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study;
3. Plan an appropriate first semester class schedule; and,
4. Meet with an advisor in COHPA Undergraduate Student Services during the first few months of the first term to be advised toward the major.

**Continuing students will:**
1. See the COHPA Undergraduate Student Services (HPAZ, 115) during the first few months 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;
3. File an “Intent to Graduate” with an advisor in COHPA Undergraduate Student Services by the end of the term prior to the term in which graduation will occur.

**College of Medicine**

**Burnett School of Biomedical Sciences**

**New students will:**
Meet with the Office of Student Services and Advisement (OSFA) 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 (OSFA) in HPAZ, room 335 every semester to check progress toward graduation and selection of program courses; and
2. See their faculty advisor each semester to check on possible career and research opportunities;

UNIVERSITY OF CENTRAL FLORIDA
Pre-Health Professions Advisement

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

Pre-Health Professional Planning

Preprofessional advisement deals primarily with application and admission procedures to professional schools.

Admission to a health professional school is highly competitive. Pre-health professions students are expected to be high achievers, and to obtain good grades with heavy loads and rigorous course combinations.

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

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

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

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

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

Curricula Guidelines

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

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

- **General Biological Sciences**
  - BSC 2010C, 2011C (or BSC 2010) in General Biology

- **Genetics**
  - PCB 3063

- **General Chemistry**
  - CHM 2045C, 2046, 2046L

- **Organic Chemistry**
  - CHM 2210, 2211, 2211L

- **Biochemistry**
  - BCH 4053

- **Biochemistry/Molecular Lab**
  - BCH 4103L or BSC 3403C

- **Microbiology**
  - MCB 3020C

- **Calculus**
  - MAC 2253 (prefer MAC 2311, 2312)

- **Physics**
  - PHY 2053C, 2054C or PHY 2048, 2049

- **Statistics**
  - STA 2023

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

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

Dates of Importance

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

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

College of Nursing

**New students will:**

Meet college advising representatives in group settings during Orientation to:

1. Discuss degree program requirements;
2. Understand career options of the major program of study; and,
3. Plan an appropriate first term class schedule.

**Continuing students will:**

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

College of Sciences

Although students may have multiple advisors, College of Sciences majors must meet with their faculty academic advisor in their major department and/or the staff of the College of Sciences - Academic Support (COSAS, located in 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 advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is still appropriate.
3. Access the class schedule and Degree Audit online at https://my.ucf.edu;
4. Register for classes through https://my.ucf.edu. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS;
5. Refer to COSAS any questions pertaining to the Degree Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the Degree Audit should be directed to the department; and,
6. Check their “Fee Invoices” to ensure accuracy of their class schedule.
Graduating students will:
1. Do all of the following steps during the term prior to your term of graduation;
2. Review the COS graduation instructions available at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
3. Schedule and attend a graduation review appointment with a COSAS advisor; and,
4. Complete the on-line graduation application on myUCF within the dates specified at http://www.registrar.sdes.ucf.edu/calendar

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

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

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

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

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

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

Regional Campus students have several opportunities to obtain academic advising which begins as co-advising with the Community College in the DirectConnect to UCF program and continues with the Professional Advisors available at the Regional Campuses. Orlando Campus students may receive supplemental advising on the Regional Campus, in partnership with the College of the major on the Orlando Campus; this will aid the student in taking courses that are offered at the Regional Campus if they are a part of the students’ degree program.
Transfer and Transition Services
Director: Charlene A. Stinard; PH 221; Orlando, FL 32816-0123
407-823-5959; Fax: 407-823-3955; E-mail: tservices@mail.ucf.edu
http://transfer.sdes.ucf.edu

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

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

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

Transfer and Transition Services provides the following services and resources:

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

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

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

Why Should I Complete My A.A. Before Transferring From a Florida Public Institution?
Receiving your A.A. from a Florida public institution ensures special benefits guaranteed under the statewide Articulation Agreement. The following are some of the advantages of receiving your A.A.:

- Priority in admission to state universities;
- Acceptance of at least 60 credit hours toward the baccalaureate degree; no additional general education core requirements;
- Acceptance of all courses taken at your institution, if the same course with the same course number is offered at UCF;
- Transfer of all accelerated programs (CLEP, AP, IB, early admission, and dual enrollment courses) within the A.A.; official test scores must be sent to receive UCF course credit;
- Advance knowledge of selection criteria for limited access programs; equal opportunity with UCF native students to enter limited access programs; and,
- All grade forgiveness awarded under the A.A. will be honored.

If you do not complete an A.A. at a Florida public community college or university, you must complete UCF’s general education requirements, which may be considerably different from your previous institution’s requirements. In addition, no grade forgiveness will be honored. All attempted credits will be averaged into your GPA for admission purposes. If you have met all the A.A. requirements except the CLAS, you should have “General Education Requirements Met” placed on your transcript to assure getting credit for meeting General Education...
What If I Have Not Taken the CLAS?

Students may be admitted without completing the College Level Academic Skills requirement. However, without the CLAS completed, you are not awarded the A.A.; privileges provided by the A.A. are not granted, (e.g., grade forgiveness, Gordon Rule, and the completion of general education requirements).

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

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

What Are the Foreign Language Requirements?

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

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

How Will My Credits Transfer?

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

Common Program Prerequisites: To view generic course substitutions for Common Program Prerequisites that may be offered at the community colleges or other state universities, please go to: http://www.facts.org > College Students > Transferring > Common

Transfer Checklist

<table>
<thead>
<tr>
<th>Before Completing the A.A. or Articulated A.S.</th>
<th>Immunization</th>
<th>Foreign Language Requirements (Admission)</th>
<th>Program (Major) Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ met with a DirectConnect advisor</td>
<td>Y___ N___ date Student Health Form submitted</td>
<td>Y___ N___ need immunizations</td>
<td>Y___ N___ selected a major</td>
</tr>
<tr>
<td>Y___ N___ met with counselor or advisor for graduation check</td>
<td>Y___ N___</td>
<td>Y___ N___ 2 years/units earned in high school</td>
<td>Y___ N___ completed major prerequisites</td>
</tr>
<tr>
<td>Y___ N___ completed application for graduation</td>
<td>Y___ N___</td>
<td>Y___ N___ 8-10 credits earned at the college level</td>
<td>Y___ N___ submitted limited access application</td>
</tr>
<tr>
<td>Application for Admission</td>
<td>Y___ N___</td>
<td>Y___ N___ credits to be taken at the university</td>
<td>Y___ N___ met grade point average (GPA) requirements</td>
</tr>
<tr>
<td><strong>/</strong>/__ date submitted</td>
<td>Y___ N___</td>
<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>Y___ N___ met cumulative GPA for admission to program of study</td>
</tr>
<tr>
<td><strong>/</strong>/__ checked admission status at <a href="https://my.ucf.edu">https://my.ucf.edu</a></td>
<td>Y___ N___</td>
<td>Y___ N___ met cumulative GPA in courses taken for program of study</td>
<td>Y___ N___ met grade requirements for designated courses</td>
</tr>
<tr>
<td><strong>/</strong>/__ date of acceptance</td>
<td>Y___ N___</td>
<td>Y___ N___</td>
<td>Y___ N___ met audition/portfolio/additional admission requirements</td>
</tr>
<tr>
<td>Transcripts (original transcript from all institutions attended)</td>
<td>Y___ N___</td>
<td>Y___ N___</td>
<td>Y___ N___ completed CLAS requirements</td>
</tr>
<tr>
<td>Y___ N___ transcripts sent from all current and prior institutions</td>
<td>Y___ N___</td>
<td>Y___ N___</td>
<td>Orientation:</td>
</tr>
<tr>
<td>Y___ N___ date final transcript sent after term completed</td>
<td>Y___ N___</td>
<td>Y___ N___</td>
<td><strong>/</strong>/__ Orientation date at UCF</td>
</tr>
<tr>
<td>Financial Aid/Scholarship</td>
<td>Y___ N___ reviewed OCSS handbook: Survival Guide for Living off Campus</td>
<td>Y___ N___</td>
<td></td>
</tr>
<tr>
<td><strong>/</strong>/__ date financial aid application (FAFSA) sent</td>
<td><strong>/</strong>/__ “to do” list checked on myUCF</td>
<td>Y___ N___ met cumulative GPA in courses taken for program of study</td>
<td></td>
</tr>
<tr>
<td>/ /</td>
<td></td>
<td>Y___ N___ met grade requirements for designated courses</td>
<td></td>
</tr>
<tr>
<td>Y___ N___ date SCHOLARSHIP application sent</td>
<td></td>
<td>Y___ N___ met audition/portfolio/additional admission requirements</td>
<td></td>
</tr>
<tr>
<td>Housing</td>
<td>Y___ N___</td>
<td>Y___ N___</td>
<td>Y___ N___ completed CLAS requirements</td>
</tr>
<tr>
<td><strong>/</strong>/__ reviewed OCSS handbook: Survival Guide for Living off Campus</td>
<td></td>
<td>Y___ N___</td>
<td></td>
</tr>
<tr>
<td><strong>/</strong>/__ date application sent (include deposit when required)</td>
<td></td>
<td>Y___ N___</td>
<td></td>
</tr>
</tbody>
</table>

TOEFL scores for admission are considered to have satisfied the graduation requirement.
Prerequisite Manual. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

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

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

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

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

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

Transfer and Transition Services

Transfer Tips:
Office Visits for Transfer Advising

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

Students should:
- Submit your application at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted "contingent upon completion of the A.A." if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
- Complete the “Student Health Form.” Registration is not allowed without the completion and approval of this form.
- Complete CLAS if possible; however, you can be admitted without it. Since the A.A. is not awarded without completion of CLAS, privileges provided by the A.A. are not granted (i.e., grade forgiveness, Gordon Rule, and the completion of general education requirements). Without completion of CLAS, but with all general education courses completed, you should request the following statement placed on your transcript: “General Education Requirements Met.” Without this statement, you must satisfy UCF’s general education requirements (including Gordon Rule courses).
- Complete the “Free Application for Federal Student Aid” (FAFSA). To be considered for all aid available, your financial aid file should be complete by March 1.
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 in residence a 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;
- Fulfill the CLAST requirement;
- Earn a minimum of nine credit hours during Summer terms, if applicable; and,
- Be registered at UCF during the semester of graduation.

Degrees Awarded Posthumously

Students will be considered for posthumous degrees by the Commencement and Convocations Committee if they are in good academic standing at the time of their death, have a 2.0 GPA or better 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 to enable them to engage in those pursuits, to develop their ability to think critically, and to prepare them for life-long learning. The GEP curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices; to accept the responsibilities of working and living in a rapidly changing world; and to lead a productive and satisfying life.

Courses that fulfill the General Education Program requirements are specified in the Alternate Courses in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as “Alternate Courses: General Education Program.” Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate “General Education Requirements Met” upon written request, if they have completed UCF’s GEP requirements with a GPA of 2.0 or better. UCF will accept a similar statement on transcripts received from Florida public community colleges and universities in lieu of completion of the University’s General Education Program. Students enrolled in courses that use the “NC” grade must earn a grade of “C-” (1.75) or better.

General Education Program Learning Objectives

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

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

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

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

Science Foundation
- Demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations.
## General Education Program (GEP) Courses (36 credit hours required)
(Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)

### A. Communication Foundation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3(3.0)</td>
</tr>
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</table>

### B. Cultural and Historical Foundation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 2000</td>
<td>Western Civilization I</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>EUH 2001</td>
<td>Western Civilization II</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
<td>3(3.0)</td>
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<td>HUM 2230</td>
<td>Humanistic Tradition II</td>
<td>3(3.0)</td>
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<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3(3.0)</td>
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<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-1945</td>
<td>3(3.0)</td>
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<tr>
<td>WOH 2012</td>
<td>World Civilization I</td>
<td>3(3.0)</td>
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<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

### C. Mathematical Foundation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

### D. Social Foundation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>EGR 2051</td>
<td>Principles of Microeconomics</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

### E. Science Foundation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>PSC 1121*</td>
<td>Physical Science: MAC 1105 or MGF 1106</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I: MAC 1105 and MAC 1114</td>
<td>4(3.3)</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry PR: High School Algebra</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005*</td>
<td>Biological Principles</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>BSC 1050*</td>
<td>Biology and Environment</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>GLY 3030</td>
<td>Geology &amp; Its Applications</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>GEO 1005*</td>
<td>U.S. History</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>ANT 251*</td>
<td>The Human Species</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>MCB 1310</td>
<td>Intro to Biotechnology and Genetic Engineering</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

### Alternate Courses:

- **GEP Requirement:** Acceptable Substitutions
  - MAC 1105 (College Algebra): MAC 1114, MAC 1140, MAC 2233, MAC 2253, MAC 2311, MAC 2312, MAC 2313
  - MGF 1106 (Finite Mathematics): MGF 1107
  - PHY 2053C (Physics): PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 5015C
  - CHM 1020 (Chemistry): CHM 2045C, CHM 1032, CHS 1440, CHM 2040C & CHM 2041C
  - BSC 1005 or BSC 1050 (Biology): BSC 2010C
  - GEO 1200 (Geography): GEO 2370
  - CGS 1060C (Intro to Computer): CGS 2100C, COP 2500C, COP 3502C, COP 3903C
  - STA 2014C (Statistics): STA 2023, STA 3032
  - FIL 1000 (Film): FIL 2030, FIL 3036, FIL 3037

### Diversity Requirement

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

Students are exempt from this requirement if they have completed an Associate of Arts degree or the General Education Program at a Florida public state university or community college. Students who have previously completed a baccalaureate degree also are exempt.

The requirement is satisfied by the successful completion of a diversity course selected from the following list. Additional courses may be approved subsequently by the General Education Oversight Committee, so students should consult their departmental advisor for the most current listing.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>General Sociology</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>AMH 3422</td>
<td>Frontier Florida</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

- **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](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.
AMH 3425 Sunbelt Florida
AMH 3562 Women in American History II
AML 3233 Contemporary American Women's Fiction
AML 3615 Harlem, Haiti, and Havana
ANT 3245 Native American Religions
ASH 4304 Women China
CCJ 4129 Cultural Diversity in Criminal Justice
CCJ 4670 Women and Crime
CJE 4174 Comparative Justice Systems
COM 4014 Gender Issues in Communication
COM 4401 Intercultural Communication
CPO 3034 Politics of Developing Areas
EDG 2085 Teaching Diverse Populations
GEO 3471 World Political Geography
JST 3401 History of the Jewish People I
JST 3402 History of the Jewish People II
LIN 4643 Cross Cultural Communication
LIN 4XXX African-American Styles of Communication
AUX 3692 Ethnic Literature in America
LIT 3192 Caribbean Literature
MMC 4300 International Media
MUL 2720 Music of the World
NUR 3805 Transitional Concepts in Nursing I
PAD 4446 Multiculturalism in Public Administration
PLA 4020 Law and Society
PLA 4830 World Legal Systems
PLA 4XXX Employment Discrimination
POS 3627 Cultural Pluralism and Law
PUP 3325 Women and Politics
PQS4622 Politics and Civil Rights
PQP 5314 Minority Politics
PUP 4204 Sustainability
SOW 3620 Social Work with Minorities
SPW 4772 Black Presence in Contemporary Latin America
SYD 3300 Sex Roles in Modern Society
SYP 4732 Minority Aging
THE 3230 Commonality within Cultural Diversity Experienced
WST 3561 Third Wave Feminism
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 for 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 listing.

1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.
2. This is a University-wide requirement for all B.A. majors.
3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (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:
1. Six hours of mathematics at the level of college algebra or higher
2. Six hours of English coursework with significant college level writing

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.

General Education courses that apply to the Gordon Rule Writing Requirement:
ENC 1102 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-General Ed courses that also apply to the Gordon Rule Writing Requirement:
AMH 2010H Honors US History: 1492 - 1877
AMH 3402 History of the South to 1865
AMH 3403 History of the South Since 1865
AMH 3441 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U. S. Military History To 1900
AMH 3561 Women in American History I
AMH 3571 Black American History I
AMH 3800 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4180 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4270 United States History: 1939-1960
AML 3031 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women’s Fiction
Undergraduate Degree Requirements

AM 3266 - Early American Women's Words
AM 3614 - Topics in African-American Literature
AM 3815 - Harlem, Haiti, and Havana
AM 3643 - Contemporary American Prose and Poetry
AM 3682 - Ethnic Literature in America
AM 3682H - Honors Ethnic Literature in America
AM 4101 - American Novel
AM 4153 - American Poetry at Mid-Century
AM 4155 - Modern American Poetry
AM 4261 - Literature of the South
AM 4266 - Florida Writers
AM 4300 - Major American Authors
AM 4304 - Whitman and His Heirs
AM 4321 - Modern American Literature
AM 4630 - Latino/Latina Literature
ANT 3183 - Mesoamerican Archaeology
ARH 4450 - 20th Century Art
ARH 4800 - Theory and Criticism of the Visual Arts
DAN 3134 - Dance History I
EAS 4700C - Aerospace Design I
ENC 4412C - Interdisciplinary Design I
ENM 4501C - Engineering Design I
ENC 1101H - Honors Freshman Composition I
ENC 1102H - Honors Freshman Composition II
ENC 2127 - Grammar and Composition
ENC 2210 - Writing for the Business Professional
ENC 2411C - Digital Literacy for the Liberal Arts
ENC 2321 - Theory and Practice of Technical Writing
ENC 3211H - Honors Theory and Practice of Technical Writing
ENC 3241 - Writing for the Technical Professional
ENC 3241H - Honors Writing for the Technical Professional
ENC 3250 - Professional Writing
ENC 3310 - Magazine Writing I
ENC 3311 - Advanced Expository Writing
ENC 3905 - Directed Experience in Writing
ENC 3942 - Journal Writing Practicum
ENC 4215 - Technical Publication and Project Management
ENC 4218 - The Visual in Technical Documentation
ENC 4262 - International Technical Communication
ENC 4265 - Writing for the Computer Industry
ENC 4280 - Technical Writing Style
ENC 4290 - Usability Testing for Technical Communication
ENC 4293 - Documentation and Collaborative Process
ENC 4294 - Documentation and Client-Based Collaboration
ENC 4313 - Research Writing
ENC 4360 - Nature Writing
ENC 4414 - Writing and Hypertext
ENG 3010 - Practical Criticism
ENG 3014 - Theories and Techniques of Literature Study
ENG 3073 - Cultural Studies Literature
ENG 4114 - Literature and Film
ENG 4614 - Discourse of Global Culture Studies
ENL 2012 - English Literature I
ENL 2022 - English Literature II
ENL 3951 - Orlando Shakespeare Festival
ENL 3951H - Honors Orlando Shakespeare Festival
ENL 4220 - English Renaissance Poetry and Prose
ENL 4230 - 18th Century Studies
ENL 4240 - English Romantic Writers
ENL 4253 - The Victorian Age: Poetry
ENL 4262 - Nineteenth Century British Prose
ENL 4303 - British Authors
ENL 4311 - Chaucer
ENL 4333 - Shakespeare Studies
EURH 2000H - Honors Western Civilization I
EURH 3122 - Medieval Society and Civilization
EURH 3142 - Renaissance and Reformations
EURH 3242 - Modern Europe and the First World War
EURH 3281 - Second World War and Rebirth of Europe
EURH 3451 - History of Modern France
EURH 4284 - Fascism and the Totalitarian Dictatorships
EURH 4465 - Hitler's Third Reich
EURH 4500 - English History to 1485
EURH 4501 - English History: 1485-1815
EURH 4502 - British History: 1815-Present
EURH 4571 - History of Russia to 1801
EURH 4574 - History of Russia: 1801-1917
EURH 4576 - History of Russia in the 20th Century
EURH 4620 - European Great Powers: 1815-1914
HIS 4150 - History and Historians
HUM 2212H - Honors Humanistic Tradition I
HUM 3320 - Contemporary Multicultural Studies
HUM 3394 - Representations of Place and Space
HUM 3401 - Asian Humanities
HUM 3431 - Ancient Humanities
The College Level Academic Skills (CLAS) requirement is part of Florida’s system of educational accountability that measures a student’s attainment of the college-level communication and mathematics skills commensurate with successful completion of lower division course work identified by the faculties of community colleges and state universities through the College-Level Academic Skills Project (CLASP).

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

Current options for students who still need to satisfy the CLAS requirement are (subject to Florida legislative changes):
- Achieving a score that meets or exceeds a minimum required score on the CLAST exam prior to July 1, 2009
- Achieving a score that meets or exceeds a minimum score on a nationally standardized exam (SAT and ACT)
- Achieving a 2.5 GPA in applicable coursework

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

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

Coursework
- Students must earn a 2.5 GPA in a minimum of 6 credit hours in a combination of at least one (1) course with the ENC prefix and any other course, except those with the SPC prefix that is designated as a “Gordon Rule” writing course in order to be exempt from the Essay, English Language Skills, and Reading sections of the CLAS requirement. (Refer to the Undergraduate Catalog for a complete list of Gordon Rule courses.)
- Students must have a 2.5 GPA in a minimum of 6 credit hours in any combination of two (2) applicable math courses, including any Gordon Rule Statistics course in order to be exempt from the Math section of the CLAS requirement. (Refer to the UTC website at http://www.testing.sdes.ucf.edu/clasoptions.php for a complete list of applicable math courses. Refer to the Undergraduate Catalog for a complete list of Gordon Rule courses.)

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

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

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

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

Summer Attendance Requirement
A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Courses taken at UT or during the summer for which the student receives a “W” or “F” may be counted toward this requirement. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. Petition forms for exemption are available from Academic Services (MH 210).

Admission to the Upper Division
To be classified as an upper division student at the University of Central Florida, a student must complete the following:
1. A minimum of 60 credit hours of academic work;
2. The English and mathematics requirements of the Gordon Rule;
3. Passing scores on three of the four parts of the CLAST; and,
4. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline
Students must complete the “Intent to Graduate” online at https://my.ucf.edu in the term preceding the one in which they intend to graduate (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Registration. Students need to be enrolled at the time of 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 e-mail). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to earn many hours 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.
Undergraduate Degree 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; E-mail: learn@nervm.nerdc.ufl.edu. Web site: 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. One diploma will be awarded with both majors indicated. Students earning a double major must use the same Catalog year for both majors.

Two Degrees
- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, if the degrees are earned in separate colleges and a minimum of 150 (or more) credit hours are earned.
- A student may earn two degrees, either both BA or both BS, within the same college if allowed by the particular college and a minimum of 150 (or more) credit hours are earned. The university Catalog will stipulate combinations of degrees within colleges that are not allowed.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

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

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

The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 credit hours for a second degree or more than 30 credit hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.
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 Registration begins during the last week of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at [https://my.ucf.edu](https://my.ucf.edu). Registration is available over the web using the myUCF system at [https://my.ucf.edu](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/](http://www.registrar.ucf.edu/calendar/academic/).

Web Enrollment Guide
The "Web Enrollment Guide" is maintained online. It provides the official "Academic Calendar" and describes the policies and procedures governing registration each term. The Guide is available on the Registrar’s Office web page at [http://www.registrar.ucf.edu/weg/](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 value of each course of instruction is stated in terms of credit hours. The number of space-available credit hours is based on the expected average number of hours of work (or two or more laboratory hours of work) per week for a semester. Classes may be offered for a six-week or nine-week session during the Summer term. During this shortened term, two class hours of work (or four or more laboratory hours of work) per week are required to represent a semester hour of credit.

Undergraduate Enrollment Status

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

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

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

Excess Hours
Effective Fall 2009, students entering a Florida community college, state college, or state university for the first time in Fall, 2009, and thereafter, will be subject to the state statute on excess hours which could result in a surcharge on tuition. This charge will be applied for each credit hour beyond the number of credit hours required to complete the baccalaureate degree program. For instance, if the degree program requires 120 credit hours, an excess hours charge will begin if a student goes beyond 144 credit hours. Students should regularly review their degree audits and consult with an academic advisor to make sure they are not enrolling in excess courses. More detailed explanation of the excess hours rule can be found on the University Registrar’s Office web site at [http://registrar.sdes.ucf.edu](http://registrar.sdes.ucf.edu).

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

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

Audit Registration
Audit students are those who desire to attend class(es) without receiving academic credit. Regular tuition and fees are assessed for Audit registration. See the "Academic Calendar" online at [http://www.registrar.ucf.edu/](http://www.registrar.ucf.edu/) and in the Registrar’s and college advising offices, must be signed by the instructor and presented to the Registrar’s Office at the time of registration.

Senior Citizen Audit
Senior Citizens (60 years of age or older) who have been residents of the State of Florida for at least one year as of the first day of classes, may enroll tuition free as Audit students (i.e., no academic credit is issued). Forms to complete include the "Residency Affidavit," the "Student Health History," the "Senior Citizen Audit Application" and "Senior Citizen Audit Registration Form". These forms are available in the Registrar’s Office (MH 161) or at the Registrar’s web site: [http://www.registrar.ucf.edu](http://www.registrar.ucf.edu). It is necessary to complete the forms and pay the required fees during the last hour of registration as noted in the "Academic Calendar" online at [http://www.registrar.ucf.edu/calendar/academic/](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. The amount of the waiver depends on the type of registration as noted in the "Academic Calendar" online at [http://www.registrar.ucf.edu/calendar/academic/](http://www.registrar.ucf.edu/calendar/academic/). For waiver eligibility and application information, see "Tuition Waivers" within "Financial Information" of the Undergraduate Catalog.

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

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

UCF Students Attending Another Florida Public Institution
UCF students who desire to attend another Florida Public Institution as a Transient Student are encouraged to complete the "Transient
Student Form” online, which is available on the FACTS Web site at http://www.facts.org under “College Students” > “Transferring”. Students wanting to attend a Florida private institution or an institution outside the State of Florida may request a formal transfer evaluation from the printed form from the Registrar’s Office. The prior permission of the department, school, and college advising office is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-US Institution
A UCF degree-seeking student desiring to earn credit at another college or university for transfer back into a UCF degree program must obtain prior transient approval for specific courses from the Dean or Department Chair of his/her respective college or school. Transient approval of courses to be applied to the UCF General Education Program must be obtained in advance from Academic Services (MH 210). Credit earned without prior transient approval may not be accepted. Plus/minus grades will be transferred for course work earned Fall 2001 and after using UCF’s grade point system. Because of graduation certification, students may not take courses in transient status during the term in which they expect to graduate. Student seeking transient status must complete the “Transient Approval Form,” available from the college or school advising office or at http://www.facts.org and must submit the completed, approved and signed form to the Registrar’s Office (MH 161). Transient credit cannot be used to reduce the last 30 semester hour residency requirement for a baccalaureate degree, the last 20 semester hour residency requirement for an Associate of Arts degree, or any departmental residency requirements.

Enrollment and Degree Verifications
Students may obtain their enrollment verification online through myUCF at https://my.ucf.edu. Enrollment certification is free to currently enrolled students. Parents, employers, background checking firms, and other third party agencies may request enrollment and degree verifications online at http://www.degreeverify.org. A fee will be assessed for all such requests. UCF has contracted with National Student Clearinghouse to provide current enrollment and degree verifications online 24 hours a day, seven days a week. National Student Clearinghouse Customer Service is available at 1-703-742-4200, Monday - Thursday, 9:00 a.m. - 7:00 p.m., & Friday, 9:00 a.m. - 5:00 p.m., ET.

Withdrawal Policy
Withdrawal for each term begins after the drop deadline. Students remain fee liable for any classes from which they withdraw. Students may withdraw from a class and receive the notation of “W” until the deadline noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5652. Fax withdrawal requests must be received by 5:00 p.m. on the last day to withdraw and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students may also mail a written request to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the request and must provide photo identification. The official date of withdrawal is the date the University receives the request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. If a student withdraws from a course for any future terms or be fee liable and receive a grade. A student is not automatically withdrawn from a class for not attending, nor can an instructor withdraw a student from a class. No withdrawal is permitted after the withdrawal deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should view the Academic Services Web site at http://www.academicservices.ucf.edu/academic_record/ and consult Academic Services (MH 210). Students who are granted a late withdrawal are required to pass the course or the student is unable to finish the term. If the student was passing, a “WP” will be recorded on the student’s permanent record; if failing, a “WF” will be entered which will be applied to the Grade Point Average. Late withdrawals normally are for all courses taken in the term.

Students who seek a withdrawal because they are ill must apply for a medical withdrawal following the medical withdrawal procedure. All requested forms must be submitted to initiate the review process. The student’s physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services (MH 210). A medical withdrawal must be for all classes in the term. Medical withdrawals can only be approved in cases where the student is unable to finish the term.

If a medical withdrawal is approved, a “WM” will be recorded for each course. Students who receive a medical withdrawal will be placed on hold for any subsequent semester until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediate 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 fee liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of “WF” or “WF” will be recorded. A grade of “WF” will affect the calculation of the student’s grade point average.

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

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

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

Withdrawal and Academic Behavior Violations
Should an alleged violation of academic behavior standards arise before the withdrawal deadline in a term, the instructor shall notify the student that 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>Semester Hour of Credit</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>3.35</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>
<tr>
<td>NC - No Credit</td>
<td></td>
</tr>
</tbody>
</table>
A grade will not be changed after a degree has been conferred. The Registrar will change a student's academic status if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

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

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

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a "Program Verification" form. Program Directors shall provide each student with a copy of this form. It is the student's responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 155; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-5896.

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

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

Academic Regulations and Procedures

Grade Change
A grade change is the change of any originally assigned grade to another grade, including grades of "I" and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade changes other than medical withdrawals will be considered only during the term immediately following the one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school.

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/.

Legend Action Grade Points
I Incomplete 0
N No grade reported by instructor 0
R Repeated course (Grade Forgiveness) 0
S Satisfactory (w/credit)/Satisfactory Progress 0
T (Research, Thesis, or Dissertation) 0
U Unsatisfactory (no credit) 0
W Withdrawn 0
WF Withdrawal Failing 0.00
WH Health Form Withdrawal 0
WM Medical Withdrawal 0
WP Withdrawn Passing 0
X Audit (no credit) 0

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

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

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

Example: A student has completed 13 credit hours for a given term. To calculate the Term GPA:

1) Multiply the number of credit hours per course by the number of grade points per course to find 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 4 credit hours X 4.00 grade points = 16
   - Course #3: B 3 credit hours X 3.00 grade points = 9

   = 13 credit hours = 46 total grade points

2) Divide the total number of grade points by the total number of credit hours earned that term:
   = 46 total grade points / 13 credit hours = 3.54 GPA for that term.

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

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

charged with a violation of the law (including traffic violations that resulted in a fine of $200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (FC 154) to consider eligibility for admission.

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

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

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

Student Classifications

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

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

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

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

**Other Student Classifications:**

- **Auditor:** A student registered for any credit course who is not seeking credit.
- **Co-op Student:** A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignment semesters. Furthermore, there is no lapse in continuity in the co-op academic calendar; a co-op student either is on assignment or attending class during each term.
- **Special Student:** A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non-degree-seeking, transient, and auditor).

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

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

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

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

Academic Honors

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

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

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

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

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

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

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

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

**Honors in the Major**
Please see "Honors in the Major" in the The Burnett Honors College portion of the Undergraduate Catalog.

**Grade Forgiveness**
Grade Forgiveness offers a student the opportunity to retake a course and earn a second grade that will be substituted for the previous grade. You may apply for Grade Forgiveness online at [https://my.ucf.edu > Student Self Service > Student Center.](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/](http://www.registrar.ucf.edu/calendar/academic/). The following policies apply:

1. **Grade Forgiveness is limited to two courses;**
2. **Grade Forgiveness may not be used twice for the same course;**
3. **Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;**
4. **All grades will remain on the student's official transcript. The original course grade will be marked with an "F" to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an "R." The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA;**
5. **If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made;**

Diplomas are mailed six to ten weeks after Commencement to the address indicated in the online "Intent to Graduate."
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 Fall 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and,

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

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

Academic Standing

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

Good Standing

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

Academic Probation

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

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

Disqualified (First Suspension)

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

For readmission purposes only, “grade point deficiency” is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.

Exclusion (Second Suspension or more)

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

Earning Credit While Disqualified

A student disqualified while a freshman or sophomore who subsequently receive 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 apply 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

A student must complete and submit the “Readmission Application Form,” available at the Registrar’s Office or online at http://www.registrar.ucf.edu. If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript be sent to the Registrar’s Office. If the student was previously admitted to a UCF limited-access program, the student will be placed in pending status for that major and must apply to the College for readmission to the program. Plus or minus grades will transfer for course work earned Fall 2001 and after using UCF’s grade point system. Readmitting students classified as a “Florida resident” during the last term at UCF who have resided outside of the State of Florida for one year may not be eligible for readmission as a Florida resident for tuition purposes. Students approved for readmission may be classified as a non-resident for tuition purposes and must submit documentation to the Registrar’s Office establishing his or her eligibility for Florida residency for tuition purposes. For eligibility requirements, refer to “Florida Residency for Tuition Purposes” within “Financial Information” of the Undergraduate Catalog.

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

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

**Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 30 Grade Points**

A student who has been academically Disqualified by UCF (with a grade point deficiency less than 30 grade points) who has completed the two term academic suspension period may petition for readmission by submitting the “Readmission Application Form” to the Registrar’s Office. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission. The petitioning student must satisfy the following requirements before a decision will be made:

1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification Number (PID).
   b. A “Readmission Application Form” not accompanied by the required written statement will not be reviewed;
2. Contact the Registrar’s Office for information specific to readmission following disqualification. Please note that a plan to complete the program of study from your intended major’s department/school/college may be required as part of the readmission application packet. Until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change; and
3. Submit to the Registrar’s Office official transcripts from all other schools attended during suspension (if applicable).

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

**Readmission Prior to Completion of the Required Suspension**

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

**Readmission Following Suspension: Disqualification (with a Grade Point Deficiency of 30 or more Grade Points)**

Students who are disqualified (with a grade point deficiency of 30 grade points or more) are not eligible for readmission to the University. The Registrar’s Office will deny readmission to ineligible students. A student denied readmission by the Registrar’s Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. Disqualified students are limited to one readmission appeal during the disqualification period and one appeal per 12-month period following the disqualification period.

**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**

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-8.001(4): “Applicants denied admission shall be given notice of the denial within a reasonable period of time following the decision. Upon the applicant’s written request, the University shall provide the reasons for the rejection in writing.”

**Admissions and Standards Committee**

The Admissions and Standards Committee is a reporting committee of the Faculty Senate. Its membership includes faculty and non-faculty representatives of the faculty Senate, several academic colleges, the Division of Student Development and Enrollment Services, and Student Government Association. The Admissions and Standards Committee meets regularly to consider appeals from: 1) persons denied admission; 2) students denied readmission; 3) students requesting to continue in school, but who have failed to meet CLAS requirements; and 4) student appeals of University academic actions, policies or standards. All decisions rendered by the Admissions and Standards Committee are final. Decisions can only be appealed in the event new evidence or information has been determined by the Chair of the committee to be relevant and is subsequently approved for further committee review.

**Right of Appeal**

A student who is ineligible for readmission or has been denied readmission has thirty (30) days from the date of the denial to appeal for an exception to University Policy to the Admissions and Standards Committee. The appealing student must satisfy the following requirements before the Registrar’s Office will forward the appeal to the Committee:

1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one type page; it must be signed and dated, and include the student’s UCF Personal Identification Number (PID).
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
6. Submit ten stapled packets of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:

a. A completed “Application for Readmission as an Exception to University Policy Form”;

b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;

c. Any supporting documentation as directed by the college, school or other University personnel;

d. Any additional supporting documentation (optional); and,

e. Degree Audit (obtained from myUCF at https://my.ucf.edu).

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

Upon receipt of both the appeal and all required supporting documentation, the Admissions and Standards Committee will render a decision. The decision of the Admissions and Standards Committee is final. Decisions can only be appealed in the event new evidence or information has been determined by the Chair of the committee to be relevant and is subsequently approved for further committee review.

Academic Amnesty Program

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

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

1) Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college advising office. This plan will include the following:

a. The specific terms of the student’s academic history to be nullified by satisfactory completion of the Academic Amnesty Program;

b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;

c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,

d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.

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

Athletic Eligibility and Retention Committee

The Athletic Eligibility and Retention Committee (AERC) has oversight of the athletic participation of students who engage in intercollegiate athletics. It relies on information gathered from the Office of Athletic Compliance, the Office of Academic Services for Student-Athletes, coaches and the individual student. Student-athletes who desire to continue their athletic participation while being on academic probation, must have the written support of their coach, complete a written document stating their methods and dedication to improve their level of academic achievement and the approval of the AERC. The committee shall review each applicant’s academic potential and current status and determine conditions for the individual’s degree of continued participation in intercollegiate athletic activities.

Name Changes

To change the legal name maintained on the student’s official UCF record, the student must submit a completed “Change of Name” form and supporting documentation to the appropriate UCF office. Attach to the form a copy of a legal name change document (e.g., marriage certificate, divorce decree, etc.). Undergraduate students must submit the form to the Registrar’s Office (MH 161). Graduate students must submit the form to the Graduate Studies Office (MH 230). Current UCF employees and those students who have been UCF employees within 12 months of the date the name change is requested must submit the form to the Human Resources Office (12565 Research Parkway). The “Change of Name” form is available from the Registrar’s Office at MH 161 or online at http://www.registrar.ucf.edu.

Address and E-Mail Changes

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

Request Transcripts

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

A $10 per transcript charge is assessed for each transcript request. Payment for official transcripts is required at the time of request and may be satisfied by credit card, cash, check or money order (made payable to UCF), or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier’s Office during office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail requests for transcripts to: Registrar’s Office, 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:
Major, Minor, Undergraduate Certificate Policies

Policy for Undeclared Students

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

Majors

The University assigns the major that the student indicated on the “Application for Admission or Readmission.” It is the student’s responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” or “Undecided” major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “Pending” category to the equivalent major (e.g., “Business Pending” to “Accounting”). If the new major is a different subject from the “pending” major (e.g., “Business Pending” to “History”), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residency or when moving from a “Pending” category to the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “Pending” category to the equivalent major (e.g., “Business Pending” to “Accounting”). If the new major is a different subject from the “pending” major (e.g., “Business Pending” to “History”), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residency or change in major.

Minors

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

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. The Undergraduate Certification form is available at the college advising offices.

Student Records

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

Family Educational Rights and Privacy Act (FERPA)

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

1. The right to inspect and review the student’s education records within 45 days of the day the University receives a written request for access. Students should submit to the University Registrar, dean, head of the school or academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University 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 identifying the part of the record that needs to be changed, and specify why the change is necessary. 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 a legitimate educational interest. 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:

Directory Information

FERPA authorizes the University to classify certain information concerning students as “directory information,” which means that it may be released to anyone upon request. In accordance with Florida Statutes Section 228.093, the University is required to release student directory information to independent vendors upon request. Directory information at UCF includes:

- name
- current mailing address
- telephone number
- date of birth
- major field of study
Academic Regulations and Procedures

- dates of attendance
- enrollment status
- degrees and awards received
- participation in officially registered activities and sports
- athletes’ height and weight

All other student information will be released in accordance with FERPA; in most cases this requires the student’s prior written and signed consent. The University extends to students the opportunity to withhold any or all information, including “directory information.” Students can do this online at myUCF or complete the “Directory Disclosure/Release Authorization” form available at the Registrar’s Office (MH 161) or at http://www.registrar.ucf.edu, requesting that this information be withheld. The Golden Rule outlines the University procedures for confidentiality. For additional information describing FERPA policy, enter the Department of Education Family Policy Compliance Office Web site 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 bachelor’s and Master’s degree listed in the Undergraduate Catalog.

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

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

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

Advanced Placement Literature (all modern languages)
A score of 3 earns a minimum of one semester (min. 3 credits) of introductory literature. A score of 4 or higher earns a minimum of two semesters (min. 6 credits) of introductory literature.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>Score of 4</th>
<th>Score of 5</th>
<th>GEP Usage</th>
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<td>LNW 3700</td>
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<td>Latin: Vergil</td>
<td>LNW 2231</td>
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<tr>
<td>Music Theory</td>
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<td>Physics B</td>
<td>PHY 2053C</td>
<td>PHY 2053C</td>
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<td>Physics C: Electricity/Magnetism</td>
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<td>PHY 2054C</td>
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<td>Physics C: Mechanics</td>
<td>PHY 2053C</td>
<td>PHY 2053C</td>
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<td>Psychology</td>
<td>PSY 2012</td>
<td>PSY 2012</td>
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<tr>
<td>Russian Language &amp; Culture</td>
<td>RUS 2230</td>
<td>RUS 2230</td>
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<tr>
<td>Spanish Language</td>
<td>SPN 2230</td>
<td>SPN 2230</td>
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<td>Spanish Literature</td>
<td>SPW 3100</td>
<td>SPW 3100</td>
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<tr>
<td>Statistics</td>
<td>STA 2023</td>
<td>STA 2023</td>
<td>Same as</td>
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</tr>
<tr>
<td>Studio Art: Drawing Portfolio</td>
<td>ART 2300C</td>
<td>ART 2300C</td>
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<td>MAT Found 2</td>
</tr>
<tr>
<td>Studio Art: 2-D Design Portfolio</td>
<td>ART 2201C</td>
<td>ART 2201C</td>
<td>Same as</td>
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<tr>
<td>Studio Art: 3-D Design Portfolio</td>
<td>ART 2203C</td>
<td>ART 2203C</td>
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<tr>
<td>United States History</td>
<td>AMH 1100</td>
<td>AMH 2010</td>
<td>Same as</td>
<td>CUL &amp; HIS Found 1</td>
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<tr>
<td>World History</td>
<td>WCH 2022</td>
<td>WCH 2022</td>
<td>Same as</td>
<td>CUL &amp; HIS Found 1</td>
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</table>

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

UNIVERSITY OF CENTRAL FLORIDA
**Academic Regulations And Procedures**

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

**International Baccalaureate Program**
(see table below)
Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit.

**INTERNATIONAL BACCALAUREATE**

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1051/1051L and BSC 2010C</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Management</td>
<td>GEB 2011</td>
<td>SCI Found 1</td>
<td>GEB 2011 and 2005</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 100 and 1020L</td>
<td>MAT Found 2</td>
<td>CHM 200 and 204C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computer Science</td>
<td>CGS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1078 and 1096</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td>ETI 1410 and 1906</td>
<td>MAT 190 and 192C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td>ECO 2013 and 2023</td>
<td>ECO 2013 and 2023</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Ecosystems and Societies</td>
<td>ESR 1017</td>
<td>ESR 1017 and 1906</td>
<td>SCI Found 1</td>
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</tr>
<tr>
<td>English I</td>
<td>ENC 1101</td>
<td>ENC 1101 and 1102</td>
<td>SCI Found 1</td>
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<td>Environmental Systems</td>
<td>ISC 1050</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
<td></td>
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<tr>
<td>Film Studies</td>
<td>FIL 1001</td>
<td>FIL 1001 and 1002</td>
<td>SCI Found 2</td>
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<tr>
<td>French</td>
<td>FRE 1102</td>
<td>FRE 1102 and 1107</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Further Mathematics</td>
<td>MTH 1202</td>
<td>MTH 1202 and 1209</td>
<td>SCI Found 2</td>
<td></td>
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<tr>
<td>(Advanced Mathematics)</td>
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<tr>
<td>Geography</td>
<td>GEA 1000</td>
<td>GEO 1200 and 1400</td>
<td>SCI Found 2</td>
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<tr>
<td>German</td>
<td>GER 1121</td>
<td>GER 1121 and 1122</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>WOH 1030</td>
<td>WOH 1030 and 1031</td>
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<tr>
<td>Information &amp; Information Technology</td>
<td>IDS 1906 (3 credits)</td>
<td>IDS 1906 (6 credits)</td>
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<tr>
<td>for a Global Society</td>
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<tr>
<td>Islamic History</td>
<td>ASH 1906 (3 credits)</td>
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**College Level Examination Program (CLEP)**

<table>
<thead>
<tr>
<th>Exam</th>
<th>Scale Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Accounting, Financial</td>
<td>ACG 1001</td>
<td>MAT Found 1</td>
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<tr>
<td>Accounting, Principles of</td>
<td>ACG 1001</td>
<td>MAT Found 1</td>
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<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
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<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
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<tr>
<td>American Government</td>
<td>POS 2041</td>
<td>SOC Found 1</td>
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<tr>
<td>American Literature</td>
<td>AML 1000</td>
<td>SCI Found 2</td>
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<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
<td>SCI Found 2</td>
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<tr>
<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
<td>SCI Found 2</td>
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<tr>
<td>Calculus</td>
<td>MAC 2233</td>
<td>MAT Found 1</td>
<td></td>
</tr>
<tr>
<td>Chemistry, General</td>
<td>CHM 1020</td>
<td>SCI Found 1</td>
<td></td>
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<tr>
<td>College Composition</td>
<td>ENC 1101 and ENC 1102</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>Educational Psychology, Introduction to</td>
<td>EDP 1002</td>
<td>SCI Found 1</td>
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<tr>
<td>English Composition with Essay</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
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<tr>
<td>English Literature</td>
<td>LIT 1000</td>
<td>SCI Found 2</td>
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<td>French Language</td>
<td>FRE 1102C</td>
<td>SCI Found 2</td>
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<tr>
<td>German Language</td>
<td>GER 1120</td>
<td>SCI Found 2</td>
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<tr>
<td>History of the United States I: Early Colonizations to 1877</td>
<td>AMH 2010</td>
<td>SCI Found 1</td>
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<tr>
<td>History of the United States II: 1865 to Present</td>
<td>AMH 2020</td>
<td>SCI Found 1</td>
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<tr>
<td>Human Growth and Development</td>
<td>DEP 2004</td>
<td>SCI Found 1</td>
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<tr>
<td>Humanities</td>
<td>HUM 2250</td>
<td>SCI Found 1</td>
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</tr>
<tr>
<td>Information Systems and Computer Applications</td>
<td>CGS 1077</td>
<td>SCI Found 2</td>
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<tr>
<td>Macroeconomics, Principles of</td>
<td>ECO 2013</td>
<td>SCI Found 1</td>
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<tr>
<td>Management, Principles of</td>
<td>MAN 2001</td>
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<td>Marketing, Principles of</td>
<td>MAR 2001</td>
<td>SCI Found 1</td>
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<td>Mathematics, College</td>
<td>MGF 1106</td>
<td>SCI Found 1</td>
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<td>Microeconomics, Principles of</td>
<td>ECO 2023</td>
<td>SCI Found 1</td>
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<tr>
<td>Precalculus</td>
<td>MAC 1140</td>
<td>SCI Found 1</td>
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<td>Psychology, Introductory</td>
<td>PSY 2012</td>
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<td>Sociology, Introductory</td>
<td>SOC 1000</td>
<td>SCI Found 1</td>
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<td>Spanish Language</td>
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<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
<td>MAT Found 1</td>
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<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EUN 1000</td>
<td>SCI Found 1</td>
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<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EUN 2001</td>
<td>SCI Found 1</td>
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</table>
for scores of four or higher in the subsidiary and higher level program areas. The table below labeled “International Baccalaureate” provides information related to the International Baccalaureate program credit.

**International Baccalaureate (all modern languages)**

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

**Language B (most common)**

Students earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent level (usually 1121C) level for a score of 4. Students who score 5-7 earn a minimum of two semesters (min. 6 credits) of Elementary Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

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

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

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### CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
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</thead>
<tbody>
<tr>
<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
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<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
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<tr>
<td>Art and Design (AS-Level)</td>
<td>ART 1906</td>
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<td>Art and Design (A-Level)</td>
<td>ART 1906 and ART 1907</td>
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<tr>
<td>Biology (AS-Level)</td>
<td>BSC 1005/1005L</td>
<td>Sci Found 2</td>
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<tr>
<td>Biology (A-Level)</td>
<td>BSC 2010C and BSC 1906</td>
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</tr>
<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 2011</td>
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<tr>
<td>Business Studies (A-Level)</td>
<td>GEB 2011 and GEB 2005</td>
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<td>Chemistry (AS-Level)</td>
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<td>Classical Studies (AS-Level)</td>
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<td>Chemistry (A-Level)</td>
<td>CHM 1020C and CHM 2045C</td>
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<td>Computing (A-Level)</td>
<td>COS 1073 and COS 1074</td>
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<td>Design &amp; Technology (A-Level)</td>
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<td>Economics (AS-Level)</td>
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<tr>
<td>Economics (A-Level)</td>
<td>ECO 2013 and ECO 2023</td>
<td>SOC Found 1</td>
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<tr>
<td>English (AS-Level) *</td>
<td>ENC 1101</td>
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<tr>
<td>English - Literature in English (A-Level) #</td>
<td>ENC 1101 or ENC 1102</td>
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<tr>
<td>Environmental Science (AS-Level)</td>
<td>EVR 1001C</td>
<td>Sci Found 2</td>
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<tr>
<td>French Language (AS-Level)</td>
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<td>French (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
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<td>French Literature (AS-Level)</td>
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<td>Further Mathematics (A-Level)</td>
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<td>General Paper</td>
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<td>Geography (AS-Level)</td>
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<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
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<td>German Language (AS-Level)</td>
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<tr>
<td>German (A-Level)</td>
<td>GER 1121 and GER 2200</td>
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<td>History (AS-Level)</td>
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<td>Mathematics (AS-Level)</td>
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<td>Mathematics (A-Level)</td>
<td>MAC 2311</td>
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<td>Music (AS-Level)</td>
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<td>Music (A-Level)</td>
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<tr>
<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
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<tr>
<td>Physics (A-Level)</td>
<td>PHY 2053C and 2054C</td>
<td>Sci Found 1</td>
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<tr>
<td>Psychology (AS-Level)</td>
<td>PSY 2012</td>
<td>SOC Found 2</td>
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<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SOC Found 2</td>
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<tr>
<td>Sociology (AS-Level)</td>
<td>SYG 2000</td>
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<td>Sociology (A-Level)</td>
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<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
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<tr>
<td>Spanish (A-Level)</td>
<td>SPN 2230 and SPN 2231</td>
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<tr>
<td>Thinking Skills (AS-Level)</td>
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<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and 1906</td>
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<tr>
<td>Travel and Tourism (AS-Level)</td>
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<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and 1906</td>
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</tr>
</tbody>
</table>

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

**College Level Examination Program (CLEP)**

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

Awards of CLEP credit are subject to conditions listed below.

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

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

CLEP Language Examinations
A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or equivalent level (generally numbered 1120). A score at or above the second CLEP threshold level (generally numbered 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 is awarded for CLEP foreign language exams. A score at or above the second CLEP threshold level (generally numbered 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 is awarded for CLEP foreign language exams.

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

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

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

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

### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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</thead>
<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
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<tr>
<td>Business Law II</td>
<td>BUL 2242</td>
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<tr>
<td>Business Math</td>
<td>QMB 1001</td>
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<tr>
<td>Criminal Justice</td>
<td>CCI 1000</td>
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<td>Environment and Humanity</td>
<td>EVR 1017</td>
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<tr>
<td>Ethics in America</td>
<td>PHP1630</td>
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<td>46</td>
</tr>
<tr>
<td>Fundamentals of College Algebra</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>47</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
<td></td>
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<td>Fundamentals of Counseling</td>
<td>PCH 1202</td>
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<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOCI Found 2</td>
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<tr>
<td>Here's to Your Health</td>
<td>HSC 1100</td>
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<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
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<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
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<td>48</td>
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<tr>
<td>Intro to Computing</td>
<td>CGS 1060</td>
<td>MAT Found 2</td>
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<tr>
<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
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<tr>
<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CULT and HIST Found 2</td>
<td>48</td>
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<tr>
<td>Introduction to Business</td>
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<tr>
<td>Introduction to Law Enforcement</td>
<td>CCI 1100</td>
<td></td>
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<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2045</td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
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<td>Money and Banking</td>
<td>BAN 1501</td>
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<td>Organizational Behavior</td>
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<td>Personal Finance</td>
<td>FIN 1100</td>
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<td>Physical Geography</td>
<td>GLY 1000</td>
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<td>Principles of Finance</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>SCI Found 1</td>
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<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
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<td>Principles of Statistics</td>
<td>STA 1014</td>
<td>MAT Found 2</td>
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<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
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<td>Technical Writing</td>
<td>ENC 2210</td>
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<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
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</tbody>
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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>
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<td>English Composition</td>
<td>ENC 1101</td>
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<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td></td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td></td>
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</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
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</tr>
<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2045</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
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</tr>
<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>
International Studies
Director: Angel Cardec; Research Pavilion, Suite 395,
P.O. Box 163105, Orlando, FL 32816-3105; 407-882-2300;

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

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

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

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

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

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity, and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jonkoping and Malardalen universities in Sweden; and Northampton University and University of Surrey in the United Kingdom.

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

Experiential Learning (Office of), Undergraduate Studies
Director: Sheri Dressler; Ferrell Commons, Suite 203;
407-823-2687
http://www.explearning.ucf.edu

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

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

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

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

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

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

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

National Consortium for Academics and Sports (NCAS)
Director: Suzi Katz-Slowinski; BA2 113; 407-823-5243
http://www.ncasports.org

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

Division of Continuing Education

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

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

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

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

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

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

Center for Economic Education
Director: Robert L. Pennington; BA2 303E; 407-823-2640

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

Dick Pope, Sr. Institute for Tourism Studies

Director: Abraham Pizam; 9907 Universal Blvd., Suite 231-A Orlando, FL 32819, 407-903-8010;
Associate Director: Roberto Croes; 9907 Universal Blvd., Suite 219-C, Orlando, FL 32819, 407-903-8028;
E-mail: DPI@mail.ucf.edu

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

Executive Development Center

Executive Director, Bob Case, 407-235-3904;
Associate Director, Jaime Patterson, 407-235-3912; 407-235-3901;
E-mail: edc@bus.ucf.edu

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

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

The Center serves as a valuable resource in executive training and development by offering programs that address critical issues for managers and business leaders. These programs are offered in a variety of formats suitable for any individual or corporation through:
- Executive MBA Program
- Professional MBA Program
- Professional Masters Programs
- Customized corporate programs
- Conference services
- Public enrollment programs
- International seminars and exchange programs

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

Florida-Canada Linkage Institute

Director: Angel Cardec; 407-882-2300; Fax: 407-882-0240;
E-mail: fcll@mail.ucf.edu

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

**Florida-Eastern Europe Linkage Institute**  
**Director:** Angel Cardec; 407-882-2300; Fax: 407-882-0240;  
E-mail: eeli@mail.ucf.edu

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

**The John Scott Dailey Florida Institute of Government at the University of Central Florida**  
**Director:** Marilyn Crotty; 407-882-3960, Fax 407-882-3968

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

**Florida Solar Energy Center (FSEC)**  
**Director:** James Fenton; 1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000; Fax: 321-638-1010

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

**Florida Space Institute (FSI)**  
**Acting Director:** Jaydeep Mukherjee; FSI, Kennedy Space Center, FL 32899; 321-452-9834; Fax: 321-452-4842;  
E-mail: fsiccas@mail.ucf.edu  
[http://fsi.ucf.edu](http://fsi.ucf.edu)

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

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

**Institute for Simulation and Training (IST)**  
**Director:** Randall Shumaker; 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300; Fax: 407-882-1355;  
E-mail: shumaker@ist.ucf.edu  
[http://www.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 simulation capabilities and training systems. Driven by a proven record of research achievement, IST has developed unique qualifications and is positioned to provide the enabling technologies and technical talent necessary to research new ways to use simulation, improve human-agent interaction, and educate the next generation of scientists and professionals. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training.

IST laboratories, work space, and administrative offices occupy major portions of three buildings located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to the Army Program Executive Office for Simulation, Training and Instrumentation (PEO(S&T)); Army Simulation Training Technology Center; Naval Air Training Systems Division (NAVAIR Orlando); Marine Corps Program Manager for Training Systems; and Air Force Agency for Modeling and Simulation (AFAMS). The institute is one of an estimated 150 public and private entities specializing in simulation and training and located along the Central Florida High Tech Corridor traversing the state from Tampa to Daytona Beach, the largest concentration of this expertise in the world.

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

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

IST actively assists UCF in the development of simulation-related curriculum in the university and offers an advanced degree in simulation systems. The institute has in partnership with Embry-Riddle Aeronautical University World-wide Campus, UCF and IST offer the Master of Science degree, a two-year course of study providing a combination of technical and business courses.

The institute annually employs more than 80 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, IST is a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry, enroll in modeling and simulation graduate programs to continue their advanced education and hone their research skills.

The institute includes in its efforts the development of research projects with potential commercial applications and adaptation of military technology to civilian markets. IST communicates the results of its research through seminars, conferences, publications, and workshops. In collaboration with UCF, the University of South Florida, and University of Florida, and the Florida 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; E-mail: nickersn@mail.ucf.edu

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

Oak Ridge Associated Universities (ORAU)
President and ORAU Councilor for University of Central Florida: John C. Hitt; ORAU Corporate Secretary: Monnie E. Champion; 865-579-3306; http://www.orau.org

Since 1989, students and faculty of University of Central Florida have benefited from its membership in Oak Ridge Associated Universities (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; Disney Entrepreneur Center, 315 E. Robinson St., Suite 100, Orlando FL 32801; 407-420-4850; E-mail: echoi@bus.ucf.edu; http://www.bus.ucf.edu/sbdc

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

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

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Xchange, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of PTAC and SBRN.
ACADEMIC DEGREES, MAJORS AND MINORS

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

The Associate of Arts degree is awarded only upon application. The application form may be obtained in Academic Services, MH 210 and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded 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 Engineering Technology, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, and Bachelor of Science in Social Sciences. These degrees are available in the following Colleges with majors or areas of specialization as indicated:

College of Arts and Humanities
Bachelor of Arts (B.A.)
Majors: Art, Digital Media, English, Film, French, History, Humanities, Modern Language Combination, Music, Philosophy, Religious Studies, Spanish, Theatre, Theatre Studies

Bachelor of Design (B.Des.)
Major: Architecture

Bachelor of Fine Arts (B.F.A.)
Majors: Art, Film, Theatre

Bachelor of Music (B.M.)

Bachelor of Music Education (B.M.E.)

Bachelor of Science (B.S.)
Majors: Photography

College of Business Administration
Bachelor of Science in Business Administration (B.S.B.A.)
Majors: Accounting, Business Economics, Finance, General Business Administration, Management, Marketing, Real Estate

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

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

College of Education
Bachelor of Science (B.S.)

College of Engineering and Computer Science
Bachelor of Science (B.S.)
Majors: Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.P.E.), 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: Biotechnology, Medical Laboratory Sciences, Molecular Biology and Microbiology

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

College of Sciences
Bachelor of Arts (B.A.)
Majors: Advertising/Public Relations, Anthropology, International and Global Studies, Interpersonal/Organizational Communication, Journalism, Political Science, Radio - Television, Social Sciences, Sociology

Bachelor of Science (B.S.)
Majors: Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Statistics

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

Office of Undergraduate Studies
Bachelor of Applied Science (B.A.S.)
(Regional campuses only)

Bachelor of Arts (B.A.)
Major: Interdisciplinary Studies

Bachelor of Science (B.S.)
Major: Interdisciplinary Studies
<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
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<tbody>
<tr>
<td>College of Business Administration</td>
<td>Accounting, Business, Economics, Entrepreneurship, Finance, International Business, Marketing, Real Estate, Sport Business Management, Technological Entrepreneurship</td>
</tr>
<tr>
<td>College of Medicine Burnett School of Biomedical Sciences</td>
<td>Molecular Biology and Microbiology</td>
</tr>
</tbody>
</table>

Comprehensive information about minors awarded at the College of Sciences is as follows:


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

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

Graduate Programs

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

Dean: Alvin Wang
407-823-3449, Fax 407-823-6583
http://www.honors.ucf.edu
Assistant Dean: Martin Dupuis
Director of Administrative Services: Donna Plaisted
Director of Advising: Rex Roberts
Interim Director of Information Systems: Michael Callahan
Director of Research and Civic Engagement: Kelly Astro
Director of Student Affairs: Jill Norburn
Director of Student Development: Nicole Gelfert
Director of Student Services: Madi Dogariu

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

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

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

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

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

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida community college that has signed an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services.

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors the student must: 1) complete 4 Honors lower-division courses¹; 2) complete the freshman Honors Symposium²; and 3) meet upper-division Honors course requirements determined by college or major³.

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

<table>
<thead>
<tr>
<th>Symposium</th>
<th>Lower-division Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDH 1920H</td>
<td>4 courses See requirements by College³</td>
</tr>
</tbody>
</table>

The current upper-division³ requirements are as follows:

- **University Honors Upper-Division Program Requirements:**
  - College of Arts and Humanities, College of Education, College of Sciences, Rosen College of Hospitality Management, and Medical Laboratory Sciences, Engineering Technology, Information Technology, Information Systems Technology, Economics (B.A.) and Interdisciplinary Studies majors
    1. Complete one Honors Interdisciplinary Seminar³
    2. Complete two Honors upper-division courses or Interdisciplinary Seminars³

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

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

- **University Honors Upper-Division Program Requirements:**
  - College of Nursing
    1. Complete one Honors Interdisciplinary Seminar²
    2. Complete two of the following Honors upper-division courses
    3. Complete one of the following nursing courses

- **University Honors Upper-Division Program Requirements:**
  - College of Medicine excluding Medical Laboratory Sciences majors
    1. Complete one Honors Interdisciplinary Seminar³ outside the major
    2. Complete two of the following Honors upper-division 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 an Honors advisor to find out when these courses are being offered.

Acceptable Waivers

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

Notes

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

Honors in the Major (HIM) courses do NOT count for University Honors requirements. However, EGN 4931H and NUR 3165H can count for HIM Directed Readings.
Eligible UCF freshmen who have been admitted to The Burnett Honors College and are interested in attending medical school have an opportunity to receive guaranteed admission to University of South Florida's College of Medicine and complete a medical degree in seven years (3+4). Students must apply for the program prior to their first semester at UCF. The first three years of study will be completed at UCF and the fourth year will be done in residence at USF as part of the first year of medical school, provided that students continue to meet all the program requirements. UCF will conferring a Bachelor’s Degree following successful completion of the fourth year of study. USF will confer the Doctor of Medicine Degree at the successful completion of the program.

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

Transfer students are not eligible for this program.

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

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

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

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

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

Honors in the Major

Application for admission to the Honors in the Major program will be made to TBHC following consultation by the student with the Department Chair or Honors in the Major Coordinator in the student’s major department. This program is designed to encourage original and independent work by the student. Two copies of the thesis, project, or creative work will be placed in the University Library with another copy remaining in The Burnett Honors College Reading Room. An Honors in the Major Handbook outlining the procedures for completing this program is available online at http://www.research.honors.ucf.edu/him/

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

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

The Honors Thesis is to be completed under the direction of a committee of three faculty members, one of whom is the student’s 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@mail.ucf.edu.

Student-Mentor Academic Research Teams

TBHC oversees the Student-Mentor Academic Research Teams (SMART) Program which is designed to assist sophomores and juniors identify and work with faculty 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://www.research.honors.ucf.edu/smart.

If you have any questions about SMART or the grants program, please contact the Office of Research and Civic Engagement in BHC 102 or by phone at 407-823-6402.

Office of Student Scholarship and Fellowship Advisement

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

OSSFA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards preparation is both intensive and extensive, and can begin as early as a student’s freshman year. Students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OSSFA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OSSFA by phone at 407-823-2877, visit BHC 107 or http://www.osssa.honors.ucf.edu.
College of Arts and Humanities
Dean: Jose Fernandez; CAH 190; 407-823-2251;
Associate Dean: Lyman Brodie; CAH 190; 407-823-2251;
Associate Dean: Terry J. Frederick; CAH 190; 407-823-2251;
Assistant Dean: Lynn Hepner; CAH 190; 407-823-2251;
Assistant Dean: Paul Lartonoix; CAH 190; 407-823-2251

The College of Arts and Humanities includes the following departments: English, Film, Modern Languages & Literatures, History, Music, Philosophy, and Theatre. The College also houses programs in American Studies, Asian Studies, Judaic Studies, Latin American Studies, Caribbean and Latino/a Studies, Women’s Studies, and Middle Eastern Studies. The college also houses the School of Visual Arts and Design, offering degrees in art, architecture, and digital media.

In keeping with the aims of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 75 baccalaureate and graduate programs. For additional information concerning graduate programs, please refer to the online Graduate Catalog.

In addition to providing academically strong degree programs in the areas noted above, the College of Arts and Humanities offers a selection of courses that are designed to complement the programs of the other colleges of the University. These offerings include a number of courses necessary to satisfy the University’s General Education program.

A student enrolled in the College as an undergraduate must fulfill all University degree requirements including those for general education as well as the particular requirements set forth within each area of specialization. Computer proficiency is determined within the student’s department of major. Depending on the program, evaluation may be via a written test, relevant projects, or specific exercises within a course or an entire course dealing with computers. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in each major course. Students are advised to consult their departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not fulfill the requirement.
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: Jennifer Mundale; CNH 411L; 407-823-5076

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

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

Advisement

CAH Student Advising (CAHSA)

Director: Delia Garcia; CNH 202; 407-823-3312; E-mail: cahsa@mail.ucf.edu

http://www.cah.ucf.edu/students/advising.php

CAH Student Advising (CAHSA) is the primary office for undergraduate academic advisement in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting the College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 202 or by calling 407-823-2492. Questions concerning the requirements within a major should be directed to the Department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

Program Planning

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

Area Studies Programs

Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has six area studies programs with an international focus: African-American, American, Asian, Judaic, Latin American, Caribbean and Latino/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.

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

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

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<tr>
<th>Title</th>
<th>Degree</th>
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<tbody>
<tr>
<td>African-American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Architecture</td>
<td>BD</td>
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<tr>
<td>Art</td>
<td>BA, BFA, Minor, MFA</td>
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<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>
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<tr>
<td>Dance</td>
<td>Minor</td>
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<tr>
<td>Digital Media</td>
<td>BA, MA, Certificate, MFA</td>
</tr>
<tr>
<td>English</td>
<td>BA, MA, Minor, MFA, Ph.D., Certificate</td>
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<tr>
<td>Film</td>
<td>MFA</td>
</tr>
<tr>
<td>Modern Language Combination</td>
<td>BA</td>
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<td>French</td>
<td>BA, Minor</td>
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<tr>
<td>German</td>
<td>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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<td>Italian</td>
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<td>Jazz Studies</td>
<td>Certificate</td>
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<td>Judaic Studies</td>
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<td>Latin American Area Studies</td>
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<td>Middle Eastern Studies</td>
<td>Minor</td>
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<tr>
<td>Music</td>
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<td>Music Education</td>
<td>BME</td>
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<tr>
<td>Philosophy</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Religious Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Spanish</td>
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<tr>
<td>Teaching ESL</td>
<td>MA</td>
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<tr>
<td>Theatre</td>
<td>BA, BFA, MA, MFA, Minors in Dance, Theatre</td>
</tr>
<tr>
<td>Translation and Interpretation</td>
<td>Certificate</td>
</tr>
<tr>
<td>Women’s Studies</td>
<td>Minor, Certificate</td>
</tr>
</tbody>
</table>
Departments and Programs
African-American Studies: Program
Program Director: JoAnne Stephenson; CNH 411; 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 Theater. The program’s interdisciplinary approach emphasizes the artistic and intellectual traditions of African Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

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

American Studies: Program
Contact: Lyman Brodie; CAH 190; 407-823-2292

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from literature, humanities, social sciences and history.

Degrees: None
Tracks: None
Minors: American Studies

Asian Studies: Program
Contact: Paul Giordano; CNH 523; 407-823-2472

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (anthropology, art history, economics, English, foreign languages, history, humanities, philosophy, political science).

Degrees: None
Tracks: None
Minors: Asian Studies

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

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

Degrees: None
Tracks: None
Minors: Community Arts

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

Faculty: Angley, Applen, Barnes, Bartkevicius, Bell, Bowdon, Brain, Brodkin, Campbell, Casmer-Paz, Cato, Dombrowski, Ethridge, Flammia, Conrad, Grajeda, Hasanat, Hem schemeyer, Hepner, Hohenleitner, Hubbard, Jensen, Jones, Jones, Kamrath, Kesler, Kyle, Lillios, Logan, Marinara, Mauer, Meehan, Mohrenne, Morton, Murphy, Neal, Oliver, Owens, Pugh, Rodriguez-Milanes, Roney, Rushin, Saper, Schell, Schultz, Scott, Seidel, Spraker, Stap, Telep, Thaxton, Trouard, Wallace, Wardle, Weaver, Young; Professors Emeriti: Adicks, Omans, Schiffrin

The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, Linguistics, rhetoric, and creative, expository, and technical writing. Students may concentrate in creative writing, technical communication, or literature. The Department serves the broad needs of the University with course offerings in writing and literature for students from other departments. The department has a Technical Documentation Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional stu-
College of Arts and Humanities

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

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The program offers instruction, conducts research, and disseminates knowledge in the civilization of the Jewish people from Biblical times to the present day in the major dimensions of its creativity: literature, language, religion, philosophy, law, and social, political and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university's curriculum.

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

Degrees: None
Tracks: None
Minors: Judaic Studies, Certificate

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

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

Degrees: None
Tracks: None
Minors: Latin American Area Studies

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

The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language.

These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), Modern Language Combination (BA), TESOL (MA)
Tracks: None
Minors: French, German, Italian, Spanish

Department of Music
Chair: Jeffrey Moore; CNH 205; 407-823-2879; Fax 407-823-3378; E-mail: music@ucf.edu http://www.music.cah.ucf.edu
Faculty: Almeida, Batzner, Boukobza, Brodie, Brunner, Danielson, Garcia, Gay, Holcomb, Hunt, Koons, Marosi, Moore, Pherigo, Pickering, Potter, Rupert, Scharonn, Stephenson, Thomson, Warfield, Weremchuk, Yonetani; Part-Time Faculty: Bagley, Hawkins, Hill, Hsu, Randall, Robertson, Tittus

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

Degrees: Music (BA, MA), Music Education (BME), Music Performance (BM)
Tracks: Music Performance, Composition
Minors: Music

Department of Philosophy
Chair: Bruce Janz; Psychology Bldg. 220; 407-823-4416; E-mail: philosophy@ucf.edu http://www.philosophy.cah.ucf.edu
Faculty: Burris, Cash, Compson, Congdon, Coverston, DiBernardo, Evans, Fiore, Hawkins, Janz, Jones, Kassim, Mundale, Park, Schippert, Stanlick, Strawser, Vest; Professor Emeritus: Flick

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

Degrees: Philosophy (BA), Religious Studies (BA, MA), Humanities - Philosophy, Religion and Popular Culture (BA)
Tracks: Regular and Honors
Minors: Cognitive Sciences; Humanities; Philosophy; Psychology, Religion & Popular Culture; Religious Studies
Department of Theatre
Chair: Christopher Niess; UTC 111; 407-823-2862; E-mail: theatre@ucf.edu http://www.theatre.cah.ucf.edu

Faculty: Alrutz, Boyd, Brotherton, Brown, Chicurel, Harris, Helsinger, Huaxiang, Ingram, Lartonoix, Lee, Listengarten, McDonald, Niess, Rusnock, Scott, Seay, Shafer, Siegfried, St. Claire, Stribling, Tollefson, Vernon, Weaver, Wood, Woolton, Wuehrmann; Professor Emeritus: Smith

The Department of Theatre seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

Degrees: Theatre (BA, BFA, MA, MFA)
Tracks: Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies
Minors: Dance, Theatre

School of Visual Arts and Design
Interim Director: Jack Lew; VAB 117; 407-823-2676; E-mail: svad@mail.ucf.edu http://www.svad.ucf.edu


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

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

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

The Women’s Studies program offers an interdisciplinary minor and a certificate in Women’s Studies in cooperation with several departments, programs, and schools. The program examines women’s roles in and contributions to past and present societies, and provides practical and theoretical knowledge about women’s and gender issues.

Degrees: BA (Interdisciplinary Studies)
Tracks: Women’s Studies Track in Interdisciplinary Studies
Minors: Women’s Studies, Certificate

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://www.oas.ucf.edu/acl/acl_students_cahum.htm
College of Business Administration

Dean: Thomas L. Keon; BA 230; 407-823-2181

Associate Dean: E. Taylor Ellis; BA2 101-W; 407-823-2187

Interim Associate Dean: Foward F. Jones; BA 307

Associate Dean: TBA

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 and CLAS.

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of "C" (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at community colleges do not substitute for upper division courses. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
Advisement
Undergraduate Student Services

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

Programs and Degrees

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Departments and Programs
Kenneth G. Dixon School of Accounting

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

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

Mission Statement

The mission of the Kenneth G. Dixon School of Accounting is to develop and deliver strong undergraduate and graduate programs, support and produce nationally and internationally relevant accounting research, and engage meaningfully with the academic and practitioner accounting communities.

Distinctive Benefits

- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching excellence.
- Over a dozen scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of the accounting and taxation programs.
- Outstanding pass rates on the CPA exam.

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

Minors: Accounting

Department of Economics

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

Faculty: Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerking, Gibbs, Harrison, Hofler, Martin, McHone, Milon, Moore, Pennington, Potter, Rustrom, Scroginn, Soskin, Underwood, White, Yang

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

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

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program
is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.

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

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

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

Minors: Economics

Department of Finance
Chair: A. Byrd; BA 409; 407-823-3575
Faculty: Ajayi, Anderson, Borde, Botts, Byrd, Chen, Choi, Cucic, Frye, Gatchev, Gilkeson, Gregg, Park, Ramanial, Schnitzlein, Singer, Smith, Sweo, Sturm, Weaver, Whyte

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

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

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

Minors: International Business, Real Estate, Finance

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

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

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

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

Minors: For non-Business majors
Services Marketing. Students can design a personalized certificate program combining elective courses with an internship that will enhance their value to potential employers.

The department offers a 19-hour minor in Marketing. This course of study provides a strong basic education in Marketing for business students with majors other than Marketing or students with majors from other colleges. Earning a minor in Marketing can add significant value and career flexibility for any student with any major.

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

**Distinctive Benefits**

- Curriculum for marketing majors recognized as one of the most innovative in the country.
- Professional Selling Program track offered within the major—competitive entry.
- Seven certificate programs are available for marketing majors.
- A 19-hour marketing minor is available for students with other majors.
- Seventeen dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offering each semester and summer—you can finish.
- Strong emphasis on preparing students for marketing management careers.
- Approximately 15 scholarships awarded annually on a competitive basis.
- Opportunities to participate in honors in the major and internships.
- Opportunities to participate in student chapters of The Society for Marketing Professional Services (SMPS) and the Sales Club.

**Degrees:** Marketing (BSBA)

**Tracks:** Generalist, Professional Selling Program

**Minor:** Marketing

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

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

*Program Academic Learning Compacts (student learning outcomes)* for undergraduate programs in the College of Business Administration are located at: [http://www.oeas.ucf.edu/alc/alc_students_cba.htm](http://www.oeas.ucf.edu/alc/alc_students_cba.htm)
The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary/K-12, and exceptional education, technical education and industry training, and sports and fitness professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education is the leading source of education baccalaureate degrees in the State of Florida.

Art Education
Early Childhood Education
Elementary Education
English Language Arts Education
Exceptional Student Education
Foreign Language Education
Mathematics Education
Science Education
Social Science Education
Sport and Fitness
Technical Education and Industry Training

Success to Significance
- America’s 100 Best Colleges of Education 2005
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices
- Partnerships with eleven Central Florida school districts

- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Academy for Teaching, Learning and Leadership
- Toni Jennings Exceptional Education Institute
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Programs in Education
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Majors in Early Childhood, Elementary, Exceptional and English Language Arts Education graduate with an ESOL Endorsement
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
- Florida Marriage and Family Research Institute
Admission to the College of Education

Admission to the College will be granted when students meet the following requirements:

- Complete the University General Education requirements or an equivalent (i.e., an AA degree from an approved Florida community college or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Education.
- Pass all four parts of the General Knowledge Test and/or CLAS. It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year.
- Complete education common program prerequisite courses with a minimum letter grade of "C-" (1.75) or better and a 2.0 GPA overall in the education common program prerequisite area.

Transfer Notes:
Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida Public Community College are cautioned to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:
1. Meet college advising representatives in a group setting during Orientation:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education Office of Student Affairs (ED 110) if their major is Education Pending. An appointment is recommended 407-823-3723.
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The advisor's name and telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment.
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

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

Office of Student Affairs

Located in the Education Complex in Suite 110, the Office of Student Affairs is dedicated to facilitating the success of students seeking advisement, assistance, and support in the College of Education. The Office of Student Affairs is composed of Clinical Experiences, Minority Programs in Education (MPIE), 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-advisement, 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 certain crimes may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

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

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

Internship I
Internship I is a three semester hour experience. Students are assigned to work with certified supervising teachers. Students are enrolled in a limited number of related professional courses during the experience. Additional courses may be taken only with the consent of the academic program coordinator and department chair. The Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

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

- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- 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 before applying for Internship II.

Internship II
Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program coordinator and department chair. Internship II is a 12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II
Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam before applying for Internship II.
- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- Possess minimum professional preparation GPA of 2.5*
- Possess minimum specialization GPA of 2.5*
- Achieve a "C-" (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation courses.
Minority Programs in Education (MPIE)

Sandra L. Bulger; ED 110; 407-823-0184
http://education.ucf.edu/mpie/

Minority Programs in Education (MPIE) is designed to recruit and retain diverse students as they prepare for a career in education. MPIE provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty mentor in the College.

Program Objectives

- Recruit and retain diverse students interested in careers in teaching
- Promote academic excellence and foster professional development
- Assist in job placement
- Encourage community involvement and commitment

Scholarship Requirements

Students must meet the following criteria:

- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida Resident
- Be admitted into the UCF-College of Education as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application
- Interview with the Scholarship Application Review Committee
- Submit two letters of recommendation and current resume
- Complete 40 hours of community service for each year the scholarship is received

Application deadlines:

July 1 for Fall semester
November 15 for Spring semester

Student Services

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

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

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 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 Education majors), a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students in state-approved initial teacher preparation programs must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines.

Alternative Certification for Non-Degree Students

All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or masters degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Teacher Education.
Department of Child, Family, and Community Sciences

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


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

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

Several graduate level programs are available in the department:

- Sport and Fitness, http://pegasus.cc.ucf.edu/~sportflu/

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

Department of Educational Research, Technology and Leadership

Chair: Grant Hayes; ED 209-H; 407-823-4835
Assistant to the Chair: Michelle Spinella; ED 206-B; 407-823-0623

Faculty: Alexander-Snow, Atkinson, Bai, Beverly, Boyd, Bozeman, Cintron, Doherty, Gunter, Hahs-Vaughn, Hirumi, McGee, Miller, Murray, B., Murray, K., Pavlas, Sivo, Taylor, Witta

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

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

Department of Educational Studies

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


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

Department of Teaching and Learning Principles

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


Elementary/Middle Education

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

Secondary/Post Secondary Education and Training

Programs in this area are designed for prospective teachers/trainers interested in working with students in a specific academic or vocational area in middle/junior high school, high school, selected postsecondary educational settings, and selected technical training settings in business and industry. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education, and Technical Education and Industry Training. Graduate level programs are available in Art Education, Elementary Education, English Language Arts Education, K-8 Mathematics and Science Education, Mathematics Education, Science Education, Social Science Education, Reading Education and Vocational Education. The Ph.D. in Education is available with tracks in Mathematics Education, Elementary Education, Science Education, and Art Education.

K-12 Education

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

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

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

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

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

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

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

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

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

Undergraduate Majors and Degrees

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

BSAE
BSCE
BSPE
BS
BSCoE
BSEE
BSVE
BSIE
BS
BSME

Accelerated BS/MS Degree Program

All of the Engineering and Computer Science departments except for the Department of Civil, Environmental and Construction Engineering and the Information Technology Program are offering an Accelerated BS/MS degree program which will allow students of high academic standing to complete an MS degree at an accelerated pace. The generic rule for students in this program is that they will be allowed to use up to twelve hours of selected 5000 and 6000 level courses with a grade of “B” or higher toward fulfillment of both the BS and MS degree requirements. Interested individuals should see the program descriptions in the graduate and undergraduate catalogs. They may also contact the department Assistant Chair and/or Graduate Coordinator if they have any further questions.

College Mission Statement

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

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

College Core Values

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

College Goals

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

Students who seek a challenging technical career in research and development, design, technical sales, manufacturing, management, teaching, or other professions requiring a methodical, creative solution to problems should seriously consider pursuing an education in engineering or computer science. The internationally-recognized faculty of the College of Engineering and Computer Science, together with its strong curricula of undergraduate and graduate programs, provide an opportunity for ambitious, responsible men and women to become the leaders of our increasingly technological world. Because of the significance of science and technology to our everyday lives, today’s
engineer and computer scientist must be aware of the impact of his or her creations on society. In addition to the public health and welfare, aesthetic, economic, and energy-use implications, our graduates also consider environmental, sociological, and other humanistic contexts. A degree from the College of Engineering and Computer Science is also recognized as a valuable asset to those entering other professional pursuits such as the medical or law professions, architecture, education, the military professions, or even politics.

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 the School of Electrical Engineering and Computer Science (SECS) and three engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Industrial Engineering and Management Systems (IEMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The School of Electrical Engineering and Computer Science is comprised of Computer Science, Information Technology, and Electrical and Computer Engineering. The ROTC Division is made up of the Avenue Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All components of the Engineering and Computer Science Division offer advanced studies leading to master’s degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Street, Suite 1050, Baltimore, MD 21202-4012. Telephone: (410) 347-7700. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, 111 Market Street, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700.

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

The Honors Program in the College of Engineering and Computer Science

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering and computer science majors an enriched educational, technical, professional and cultural experience that significantly augments the basic curricula. Honors students comprise academically superb students who have the 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 in the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University of the AeroProgram (see the listing for that department on the College home page at http://www.cecs.ucf.edu). For the home page associated with a particular program, see the listing for that department on the following pages of this catalog. The Honors in the Major Program (HIM).

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and who would like to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs except for Electrical and Computer Engineering. Electrical and Computer Engineering students in the HIM program use the HIM credits in lieu of Senior Design I and II. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

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

In order to be admitted to the Honors in the Major program, the student must:

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

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program. Moreover, each department will award a limited number of graduate scholarships (with tuition waivers) to those who apply for graduate school and have successfully completed this program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Donald Malocha, Engineering Building 1, room 114. For more information about The Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering and computer science students may also participate in the LEAD (Leadership Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog.

Department of Civil, Environmental, and Construction Engineering

Chair: Lakshmi N. Reddi; ENG2 211; 407-823-2841; Fax: 407-823-3335
http://www.cece.ucf.edu

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

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnE), and Construction Engineering (BSCOnE).
The Civil Engineering Program
The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a minimum of two Project Design Courses, which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission
The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Environmental Engineering undergraduate 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 lifelong learning.

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

The Environmental Engineering Program
The Environmental Engineering major is concerned primarily with the interactions of humans and their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.

Environmental Engineering students are required to take a minimum of two Project Design Courses (out of four offered) which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission
The Environmental Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
The 17 hours of extra courses required for Civil Engineering majors pursuing Environmental Engineering as a second major would include all the required courses of Environmental Engineering: CSM 2046L, EES 4202C, EES 4111C, ENV 4120, ENV 4341, and a Biological or Earth Science, whichever course was not taken to satisfy the GEP.

The 21 hours of extra courses required for Environmental Engineering majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: SUR 2101C, CES 4100C, CEG 4011C, TTE 4004, CGN 3501C or EGN 3365, and either CES 4805 or CES 4702.

The 16 hours of extra courses required for Construction majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: CWR 4101C, CWR 4203C, EGN 3373, EGN 3343, and ENV 4561.

The 19 hours of extra courses required for Civil Engineering majors pursuing Construction Engineering as a second major would include all the required courses of Construction Engineering: ACG 2071, CCE 4004, CCE 4402, CCE 4813, CCE 4034, and CCE 4810.

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

School of Electrical Engineering and Computer Science

**Department Policy for Double Major in Civil, Environmental, and Construction Engineering**

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

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

Additional notes:

- All students, by meeting the requirements for each degree, will be able to represent themselves as a Civil Engineer, an Environmental Engineer, a Construction Engineer or a combination thereof.
- The extra hours represent at least one additional semester of full time enrollment, and represents the minimum requirements for the double major.
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, applying best practices in software development processes, methods, and tools.

4. All graduating CS majors, by the time of their graduation, shall be able to function effectively on teams to accomplish a common goal.

5. All graduating CS majors, by the time of their graduation, shall be able to demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.

6. All graduating CS majors, by the time of their graduation, shall be able to communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computing technology and its applications.

7. All graduating CS majors, by the time of their graduation, shall be able to analyze the local and global impact of computing on individuals, organizations and society.

8. All graduating CS majors, by the time of their graduation, shall be able to recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.

9. All graduating CS majors, by the time of their graduation, shall be able to use current techniques, skills, and tools necessary for computing practices.

10. All graduating CS majors, by the time of their graduation, shall be able to apply mathematical foundations and computer science theory, in particular principles of algorithmic design and complexity analysis, in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

11. All graduating CS majors, by the time of their graduation, shall be able to apply design and development principles in the construction of software systems of varying complexity.

12. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.

13. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge and understanding of, and their ability to apply the concepts and design principles relating to: data structures, computer architecture and organization, programming languages, operating systems, and networks.

The Information Technology Program

The Information Technology program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer 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 system 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

1. To prepare IT graduates with the knowledge and skills necessary to be effective professional contributors or leaders in the design, administration and management of information technology systems, databases and networks commonly used by industry, government, education, research and non-profit organizations.

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

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

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

Program Outcomes

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

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

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

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

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

6. Employ terminology for information technology accurately and effectively.

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

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

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

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

Electrical and Computer Engineering Programs

The Electrical and Computer Engineering programs offer baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BScPE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CpE), and Doctor of Philosophy (Ph.D.) are also offered.

The 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.

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.
13. A knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.

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

The Electrical Engineering Program

The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4767C), Networks and Systems (EEE 3123C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/power electronics.

The College of Engineering and Computer Science

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.
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School of Electrical Engineering and Computer Science Policies and Procedures

The School’s web site (http://www.eecs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advise, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send e-mail and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems

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

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 manufactured products and management 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 plant layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4516 and EIN 4891.

Mission
To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and inter-personal skills, and ability to professionally grow and develop their careers.
3. To provide graduates with societal values that will enable them to conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:
1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multi-disciplinary team efforts.
7. To produce graduates who are responsible to the industrial engineering profession and to our modern global society.
8. To produce graduates who value life-long learning.

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


Department of Mechanical, Materials, and Aerospace Engineering
Interim Chair: Louis Chow; ENGR 307: 407-823-2416; Fax 407-823-0208
Faculty: An, Basu, Bishop, Q. Chen, R. Chen, Chew, Cho, Chow, Coffey, Fang, Fenton, Gordon, Gou, ilegbusi, illie, Kapat, Kassab, Kumar, Lin, Minardi, Moslehy, Nicholson, Orlovskaya, Raghavan, Seal, Sohn, Suryanarayana, Vaidyanathan, C.Xu, Y. Xu

The Department of Mechanical, Materials, and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is designed to provide a broadly-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance. The Mechanical Engineering program is designed to provide a broadly-based foundation in thermo-fluids, mechanical systems and materials, including topics such as solid mechanics, machine design, vibrations, CAD/CAM/FEM, feedback control and mechatronics, fluid mechanics, heat transfer, and structure and properties of materials. Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and concurrent design, and culminates in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

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

Educational Objectives
1. Career Preparation: The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.
2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in aeronautics, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goals.
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.
College of Engineering and Computer Science

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

Program Outcomes

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

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

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

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

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

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

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

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

9. The ability to adapt to sociological and technological change.

10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the 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 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 regional industry, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, socioeconomic, safety, and quality issues. They will be educated to be lifelong learners, pursuing their professional and personal development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives

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

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

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

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

Program Outcomes

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

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

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

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

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

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

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

8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from 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; Trailer 501, Room 103; 407-823-1247; Fax 407-823-2265
Faculty/Staff: Capt. Gray, Capt. Lehmann, Capt. Johnson, MSGt Fields, SSGt Sutton, and Mrs. Fioramonti, Office Manager

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers four-year, three-year, and two and a half-year Air Force ROTC programs. The four and three-year programs provide on-campus study during the freshman through senior years. The two and a half-year program allows community college transfer students and other students with two and a half academic years remaining in either undergraduate or graduate status to earn an Air Force commission while completing their studies. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information.

The curriculum at the University of Central Florida is based on a two-semester system. The curriculum allows students to obtain a Bachelor of Science degree in aerospace engineering. The curriculum consists of a combination of technical and non-technical courses. The technical courses are divided into three categories: technical, management, and leadership.

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 year. The course will cover 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.

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 year. The course will cover 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 course will cover the mission, organization, and structure of the US Air Force, and the development of air power into a prime element of American national security.

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. Dependency and non-dependency obligations for students working on their Baccalaureate or Graduate degrees. These obligations may include military service, land navigation, management skills, grade structure, communications and leadership. Those who complete the course are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

Curriculum
The Military Science curriculum is designed to develop students’ leadership potential and improve students’ planning, organizational, and managerial skills. The on-campus curriculum is divided into two phases: Basic Military Science Course and Advanced Military Science Course.

1. Basic Military Science
A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 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 a Baccalaureate or Master's degree program
- Full-time student status

2. Advanced Military Science
A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302) consists of four semesters of classroom instruction of two hours each week and a two hours leadership lab that are taken 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 an 3-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.

B. Requisites for Admission to the Advanced Course:
- Successful completion of Basic Course, or placement credit
- Must be at least 17 years of age at the time of entry, but not more that 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)
- Successful completion of an Army physical examination
- Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
- Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum of 12 hours)
- US Citizen
- A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

3. Monetary Allowance
All contract 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 $500.00 during the Senior school year.

4. Scholarships
Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board and not to exceed $10,000 and $1,200 annually for full-time undergraduate students. In addition, full-time 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.coipa.ucf.edu

Associate Dean, Graduate Studies and Technology:
Ronnie Korosec, HPA 365, 407-823-0171

Associate Dean, Research:
Thomas Wan, BNT 108, 407-823-0170

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

Associate Dean, Undergraduate Studies:
Pamela E. Kirby, HPA 365, 407-823-0171


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

General Requirements for the Bachelor’s Degree
Some Schools, Departments or Programs in the College are upper division, limited access or restricted programs. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the Programs in Athletic Training, and Health Informatics and Information Management. Application must be made to the appropriate program. Additional information regarding prerequisites and minimum grade point averages may be obtained from the desired School, Program, Department, or College Web site. The following Departments and Programs do not have restrictions on admissions: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration, Health Sciences - Pre-Clinical Track, and Health Services Administration.

Academic Advisement
Undergraduate Student Services
Executive Director: Judith A. Sindlinger, HPA2 115, 407-823-0010,
E-mail: hpainfo@mail.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. Faculty advisors are assigned to students upon admission to their degree program in their academic department.

Programs and Degrees

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<tr>
<th>Major</th>
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<tbody>
<tr>
<td>Athletic Training</td>
<td>BS</td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
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<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
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<tr>
<td>Health Informatics and Information Management</td>
<td>BS</td>
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<tr>
<td>Health Sciences - Pre-Clinical Track</td>
<td>BS</td>
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<td>Health Services Administration</td>
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<td>Legal Studies</td>
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<td>Public Administration</td>
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<td>Social Work</td>
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Department of Communication Sciences and Disorders
Chair: TBA, HPA 101, 407-823-4798
http://www.coaph.ufl.edu/comdis
Clinic Director: Janet Whiteside, Research Pavilion Suite 155, 407-249-4770


The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is preprofessional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathology or audiology assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1989. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers an array of courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA)
PhD in Education, Communication Sciences and Disorders Track
Tracks: None
Minors: Communication Sciences and Disorders
Certificates: Language Development and Disorders

Department of Criminal Justice and Legal Studies
Chair: Robert Langworthy, HPA 311, 407-823-2603

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

Program in Criminal Justice
Criminal Justice is a problem-based field of study which focuses on the nature of crime and crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service.

Program in Legal Studies
The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Degrees: Criminal Justice (BA, BS, MS), Legal Studies (BA, BS)
Tracks: None

Department of Health Management and Informatics
Chair: Aaron Liberman, HPA 210, 407-823-2359

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 department offers a baccalaureate degree in Health Services Administration. The baccalaureate degree is designed for students who desire to study the business side of health care. The primary goal of the program in Health Services Administration is to prepare managers to direct a variety of health care organizations such as hospitals, HMO’s, clinics and any other organization involved in the delivery or management of health care services. The undergraduate curriculum is consistent with the curricular requirements of the Association of University Programs of Health Administration, stressing administration, policy and planning skills. A diverse health care community offers students a variety of internship experiences as well as providing placement opportunities upon graduation. Faculty members are actively engaged in research relating to management, conflict resolution, occupational stress, outcome assessment, and integrated delivery mechanisms.

Persons within the health care industry with associate of science degrees in areas such as nursing, respiratory therapy, radiologic technologies, medical laboratory technology, dental hygiene, and others may find this program provides a migration path from the clinical side of the health care industry to the leadership side. Students willing to develop a background in the health care industry can build a solid understanding of the complexity of managing health services organizations.

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).
Department of Health Professions

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

Faculty: Angelopoulos, Douglass, Gosnell, Hanney, Jamer, McDonough, Fabian, Rothschild, Schellhase, Shack-Dugre, Sideiler, Smith, Tucker, Welker, Worrill

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

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

Program in Athletic Training

The Program in Athletic Training at the University of Central Florida is a six semester program where students complete 12-15 credits per semester while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an approved clinical instructor and certified athletic trainer. These local affiliation sites include high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to take the National Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). This is a competitive program that requires a separate application process following acceptance into the University. Consent from the program director is required.

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

Program in Health Sciences-Pre-Clinical Track

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

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

Department of Public Administration

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

Faculty: Abels, Bryer, Colby, Collins, Feldheim, Hawkins, Jurie, Kapucu, Korosec, Krick, Lawther, Liou, Martin, Rogers, Wang

The Department of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The Department prepares students for professional careers in public service at the city, county, state and federal levels. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degrees with a major in Public Administration enable students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master of Public Administration (MPA) or Master of Nonprofit Management (MNM). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

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

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

Certificates: Nonprofit Management

School of Social Work

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

Faculty: Abel, Bricout, Buckey, Gammonley, Hall, Kohn, Lambert, Lawrence, Leon, Molina, Ramos, Rothenberg, Steen, Walsh, Withers.

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in Congress, hospitals, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives.

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

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

The School of Social Work also offers Certificate Programs in Aging Studies and Children’s Services. If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

Degrees: Social Work (BSW, MSW)
Tracks: None
Minors: Aging Studies
Certificates: Aging Studies, Children’s Services

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at: http://oeas.ucf.edu/alc/alc_students_cohpa.htm
The University of Central Florida College of Medicine was established in 2006 by the Florida Legislature and the Florida Board of Governors to address the growing physician shortage nationwide and provide economic benefits to Central Florida and the state. The college offers undergraduate and advanced degree programs in biomedical sciences through its Burnett School of Biomedical Sciences, as well as a doctor of medicine (M.D.) degree program, giving students access to a variety of ways to pursue their career dreams.

In August 2009, the college welcomed an outstanding charter class of 41 M.D. students. This class had the highest average MCAT score and GPA of any incoming class of medical students in Florida in 2009, and with more than 4,300 applicants, the college was among the most selective in the nation. Starting 2013, the M.D. program will admit 120 students each year, while the Burnett School is already home to more than 2,500 undergraduate, graduate, and doctoral students. The Burnett School of Biomedical Sciences offers undergraduate majors in the biomedical sciences: Biotechnology, Medical Laboratory Sciences, and Molecular Biology and Microbiology. The school also offers master’s degrees in Molecular Biology and Microbiology as well as an interdisciplinary doctoral degree in Biomedical Science.

The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. Our medical and biomedical programs capitalize on UCF’s existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

The undergraduate and graduate programs in the Burnett School of Biomedical Sciences are offered at the UCF main campus. The M.D. program and state-of-the-art biomedical research facilities are an integral part of the growing medical city at Lake Nona. The newly opened Burnett Biomedical Sciences building soon will be joined by the Medical Education building in time for the opening White Coat ceremony on the UCF Health Sciences Campus at Lake Nona in August 2010. The 50-acre UCF Health Sciences Campus at Lake Nona is located about 25 miles south of the Orlando campus.

The Department of Molecular Biology and Microbiology offers a Bachelor of Science degree, a Master of Science degree and a Minor in Molecular Biology and Microbiology. The department also offers a Bachelor of Science degree in Medical Laboratory Sciences and a Bachelor of Science degree in Biotechnology. The Molecular Biology and Microbiology programs prepare students for entry into any professional school in health sciences, such as medicine, veterinary pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry. Students seeking admission to such professional programs should follow the Molecular Biology and Microbiology Preprofessional Concentration. The Department’s programs also prepare students entering the technical workforce in biotechnology, pharmaceutical and/or any other medical technology industry. The Department is a major partner in the interdisciplinary Ph.D. program in Biomedical Sciences.
Program in Molecular Biology and Microbiology

*Undergraduate Coordinator:* Dorylin Hitchcock; HPA2 335A; 407-823-5932

*Graduate Coordinator:* Saleh Naser; BL 221; 407-823-0956

The Core Curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the mechanism of directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

### Degrees:
- Molecular Biology and Microbiology (B.S., M.S.)
- Molecular Biology and Microbiology Preprofessional Concentration (B.S.)

### Tracks:
- None

### Minors:
- Molecular Biology and Microbiology

### Molecular Biology and Microbiology UCF/USF Accelerated Medical School Program (B.S.)

Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include Florida residency, unweighted minimum high school GPA of 3.7 and SAT score of 1300 or ACT score of 29. More information about the admission process can be found in the catalog under: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Students desiring admission to University of South Florida College of Medicine [USFCOM] through the accelerated program will meet all USFCOM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of first year of the medical school curriculum.

### Program in Biotechnology

*Director and Graduate Coordinator:* Henry Daniell; BL 336; 407-823-5932

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree program prepares students to function in the industrial biotechnology/biomedical environment, providing them with more "hands on" laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

### Degrees:
- Biotechnology (B.S., M.S., M.S./M.B.A.)

### Tracks:
- None

### Minors:
- None

### Program in Medical Laboratory Sciences

*Director:* Dorylin Hitchcock; HPA2 335A; 407-823-5932

Medical technologists may be involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of blood and body fluids.

The curriculum is designed to give students a thorough background in the physical and biological sciences; to develop the necessary laboratory skills and essential skills to assume leadership roles in management and education. Also, it prepares students in the development of high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size to be selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS-8410 Bryn Mawr Ave., Ste 670, Chicago, IL 60631) and is approved as a training program by the State of Florida Board of Clinical Laboratory Personnel.

### Degrees:
- Medical Laboratory Sciences (B.S.)

### Tracks:
- None

### Minors:
- None

### Office of Student Services and Advisement (OSSA)

*Assistant Director:* Amanda Colee; HPA2 335A; 407-823-4812;  
*Academic Advisor:* Cynthia Contreras; HPA2 336; 407-823-5787;  
*Academic Advisor:* Ana Maria Schwindt; HPA2 337; 407-823-1259  
E-mail: bcsbioinfo@mail.ucf.edu

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett School of Biomedical Sciences. OSSA assists Molecular Biology and Microbiology, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, University policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

### Biomedical Sciences Center

*Director:* P.E. Kolattukudy; BL 136; 407-823-1312  
*Ph.D. Coordinator:* Steven Ebert; BL 321A; 407-823-1312

The mission of this university-wide interdisciplinary academic center is to establish vibrant research and training programs under the general theme, “Molecular and Genomic Bases of Diseases and Therapeutics.” The Center research is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease.

The Biomedical Science Center currently works with the Office of Research and the broader UCF research community to establish state-of-the-art research infrastructure and core facilities to support research in modern life sciences.

Within the next few years, the Center plans to hire approximately 20 new faculty research teams in Biomedical Sciences within its theme area. Additional faculty will be hired in partnership with other academic units including the College of Arts and Sciences and the Nanoscience and Technology Center. Together with the existing faculty, this growth in biomedical sciences is expected to create a critical mass of people conducting interdisciplinary research at the cutting edge in biomedical sciences that can have a significant impact on the biomedical technology industry of the region and the state.

The Biomedical Sciences Ph.D. is a major vehicle for training students for biomedical research careers in industry, institutes and universities. In addition, the center intends to help establish new degree programs in cooperation with other academic units to generate a skilled work force that can serve the region and state’s growing biomedical biotechnology industry.

### Degrees:
- Biomedical Sciences (Ph.D.)

### Tracks:
- None

### Minors:
- None

### Pre-Health Professions Advisement Office

*Director:* Genaro Lopez; HPA 124; 407-823-2670

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

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

### Program Academic Learning Compacts (student learning outcomes)

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_bcms.htm](http://oeas.ucf.edu/alc/alc_students_bcms.htm)
College of Nursing

Dean: Jean Leuner, HPA 220, 407-823-5496

Associate Dean: Linda Hennig, HPA 220, 407-823-4941

Associate Dean: Susan Chase, HPA 220, 407-823-3079


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

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

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

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester. Contact the College of Nursing for specifics on the RN to BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as online.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor’s degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research.

The Doctor of Nursing Practice (DNP) prepares nurse clinicians and nurse practitioners for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN and MSN programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)

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

Minors: None

General Requirements for the Bachelor’s Degree

- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college Web site: http://www.nursing.ucf.edu

Academic Advisement

Office of Undergraduate Student Services
HPA 220, 407-823-2744

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

Programs and Degrees

Major Degree
Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oec.ucf.edu/alc/alc_students_con.htm
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh; 407-823-6800;
E-mail: 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 40 faculty members, 69 Ph.D. level research scientists, and 146 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $45 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program.

The research activities span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction. These programs are supported by over $17 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $20,000 to $26,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.
The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics; the Nicholson School of Communication; and the National Center for Forensic Science.

The College is responsible for all programs in the sciences and the departments collectively offer 50 baccalaureate, graduate, certificate, and pre-professional programs. For additional information concerning graduate programs, please refer to the Graduate Catalog: http://graduate.ucf.edu/currentGradCatalog/

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a "C" GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major.

Preprofessional Programs

Prelaw Program
Prelaw Advisor: Roger Handberg; PH 302; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions

The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional program of study for additional information.
The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the “First Year” advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our Web site.

Programs and Degrees

**Title**                                      **Degree**
Actuarial Science                              Minor
Advertising/Public Relations                    Minor
Anthropology                                   BA, MA, Minor
Astronomy                                      Minor, BS Track
Behavioral Forensics                           Certificate
Biology                                        BS, MS, Minor
Biological Sciences                            PhD
Biomedical Sciences                            PhD
Chemistry                                      BS, MS, PhD, Minor
Communication                                 MA
Conservation Biology                           PSM, PhD
Data mining                                    Certificate
Diplomacy                                      Certificate
European Studies                              Minor
Forensic Science                               BS, MS
International & Global Studies                BA, Minor
Interpersonal/Organizational Communication    BA, Minor
Journalism                                     BA
Magazine Journalism                            Minor
Mass Communication                             Minor
Mathematics                                     BS, MS, PhD, Minor
Maya Studies                                   Certificate
Medical Anthropology                           Minor
North American Indian Studies                  Minor
Physics                                        BA, MA, Minor
Political Science                              BS, MS, PhD, Minor
Political Science-Pre Law                      BA Track, Minor
Psychology                                     BS, MA, MS, PhD, Minor
Radio-Television                               BA
Social Sciences Interdisciplinary             BS
Sociology                                      BA, MA, BS, PhD, Minor
Statistics                                     BS, MS, Minor

Departments and Programs

**Department of Anthropology**

*Chair:* Arlen F. Chase; PH 309; 407-823-2227; E-mail: anthropology@ucf.edu
http://anthropology.cos.ucf.edu/

*Assistant Chair and Graduate Coordinator:* Tosha Dupras; PH 309; 407-823-2227

**Undergraduate Coordinator:** John Schultz; PH 309; 407-823-2227

**Faculty:** Barber, A. Chase, Cowgill, Dupras, Geiger, Groff, Howard, Lieberman, Long, Matejowsky, McIntyre, Mishal, Schultz, Sinnelli, Walker, Zorn; Professors Emeritus: Allyn Stearnam, Ron Wallace

The Department of Anthropology offers courses and programs that lead to: a Bachelor of Arts in Anthropology; a minor in Anthropology with concentrations in general anthropology, archaeology, cultural anthropology, and physical anthropology; a minor in Anthropology in Multicultural Studies; a minor in Native American Indian Studies; an undergraduate certificate in forensics; a graduate certificate in Maya Studies; and, a Master of Arts in Anthropology with focus areas in Cultural Competency, Archaeological Investigations in Forensics and Human Adaptations, and Maya Studies. The Undergraduate Anthropology Program prepares students for graduate training in Anthropology and provides them with the skills needed to apply the concepts, methods, and theories of Anthropology in the real world. Anthropology has four sub-disciplines, consisting of language and culture, cultural anthropology, physical anthropology, and archaeology. While undergraduate students are exposed to each of the sub-fields of Anthropology, the training for advanced work in each field differs. Thus, students should consult with their departmental advisor early in their academic careers.

**Degrees:** Anthropology (BA, MA)

**Minors:** Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Medical Anthropology, Native American Indian Studies

**Certificates:** Crime Scene Investigation (undergraduate), Maya Studies (graduate)

**Department of Biology**

*Chair:* C. Ross Hinkle; BL 301; 407-823-2141
E-mail: biology@ucf.edu
http://biology.cos.ucf.edu/

**Faculty:** Bayer, Borst, Castalest, Crampton, Faith, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Loguidice, Morrison-Shetlar, Noss, Parkison, Quintana-Accino, Shetiar, Soto-Esteve, Stern, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy

**Professors Emeritus:** Ehrrhart, Ellis, Kuhn, Koevenig, Snelsdon, Stout, Sweet, Taylor

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participates in an interdisciplinary Ph.D. program in Biomedical Sciences. The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background provides flexible career opportunities for graduates, including science-related employment and professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a subdiscipline. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

**Degrees:** Biology (BS, MS), Conservation Biology (PSM, PhD)

**Tracks:** Biochemistry Pre-professional (BS)

**Minors:** Biology

**Department of Chemistry**

*Chair:* Kevin D. Belfield; CH 117; 407-823-2246
E-mail: chemsta@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, Datta-Gupta, Diaz, Dixon, Elsheimer, Frazer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolpashchikov, Kuebler, Kujawa, Liao, Mattson, Mierzwa, Miles, Miller, Patino, Sigman, Ye, Zou

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Industrial Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.
Nicholson School of Communication

Director: Robert C. Chandler, NSC 240; 407-823-2683
Assistant Director: Boyd Lindsey, NSC 240A; 407-823-6751
http://communication.cos.ucf.edu/
Nicholson Academic Student Services Center: NSC 143; 407-823-2681; E-Mail: nassc@mail.ucf.edu


Faculty Emeriti: Fedder, O’Keefe, Taylor, Wycoff

The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The School is composed of four program areas each of which offer Bachelor of Arts degrees. The degrees are:

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

Facilities

The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television area has fully-equipped audio and video production facilities, a complete multi-camera television studio, an online radio station, and laboratories for interactive multimedia. The Journalism area has computer writing and media lab. The Advertising/Public Relations Area has a computer writing and media lab. The Interpersonal/Organizational Communication (I/O) area provides a presentation speaking classroom equipped for audio/video record/playback and conference visual presentation. The I/O area also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

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

Minors: Chemistry

Department of Mathematics

Chair: Piotr Mikusinski; MAP 209; 407-823-2826
E-mail: math@mail.ucf.edu
http://math.ucf.edu

Associate Chair/Undergraduate Coordinator: Heath Martin;
MAP 215A; 407-823-5700

Faculty: Brennan, Cannon, Carlson, Capursi, Choudhury, Clarke, Clevary, Dunlop-Pyle, Dutkay, Dutton, Griffiths, Han, Higgins, Islas, Ismail, Kassab, Katevich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Neval, Nicholson, Pensky, Qi, Reid, Ren, Richardson, Rollins, Schober, Schweizer, Shivamoggi, Song, Sun, Swanson, Tamasan, Taylor, Tothv, Vajravelu, Yong, Young, Zhao

The Department of Mathematics offers courses and programs leading to a Bachelor of Science in Mathematics, a minor in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:

1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use advanced mathematics as a tool in their special areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. The Department offers service courses in pre-calculus and calculus along with strong programs in the upper division in the traditional areas of algebra and analysis as well as modern areas of applied and computational mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who feel they know the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistantships are available for qualified graduate students.

Degrees: Mathematics (BS, MS, PhD)
Tracks: Applied Mathematics, Computational Mathematics, Engineering/Physics, Mathematical Economics, Mathematics, Pure Mathematics

Minors: Mathematics

Department of Physics

Chair: Talat Rahman; MAP 310; 407-823-2325;
E-mail: physics@ucf.edu
http://physics.cos.ucf.edu/

Associate Chair: Elena Flitsiani; MAP 315; 407-823-1156

Faculty: Bhattacharya, Bindell, Britt, Brueckner, Campins, Chernyak, Chow, Colwell, Cooney, Delf Barco, Dubey, Effthimiou, Fernandez, Filt-siyam, Harrington, Heinrich, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokouline, Leuenberger, Ngwa, Luo, Martin, Montgomery, Muccio, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tatulian, Tonner, Velissaris, Zhmudskyy; Faculty Emeriti: Bose, Brennan, Llewellyn; Distinguished Professor: Liboff

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department’s research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

Degrees: Physics (BS, MS, PhD)
Tracks: General Physics, Materials Physics, Optics & Lasers, Computational Physics, Astronomy

Minors: Astronomy, Physics
Department of Political Science
Chair: R. Handberg; PH 302; 407-823-2608; E-mail: politics@ucf.edu http://politicalscience.cos.ucf.edu/
Associate Chair: Aubrey Jewett; PH 302; 407-823-2608
The Department of Political Science seeks to:
1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where a knowledge of government and politics is necessary;
2. 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 Kil or Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global and International Studies: Contact Waltraud Q. Morales or Roger Handberg.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson or Annabelle Conroy.
- Space Studies: Contact Roger Handberg.
- Women’s Studies: Contact Terri S. Fine or Annabelle Conroy.

Degrees: Political Science (BA, MA),
International and Global Studies (BA)
Tracks: American Politics, International Relations & Comparative Politics, Prelaw
Minors: Political Science, Political Science/Prelaw,
European Studies, International and Global Studies
Certificates: Diplomacy Certificate

Department of Psychology
Chair: R. Dipboye; PSY 301L; 407-823-2216; E-mail: psychology@ucf.edu http://psychology.cos.ucf.edu/
Associate Chair: T. Hernandez; PSY 301; 407-823-2216
Faculty: Azimi, Bedwell, Beidel, Berman, Brophy, Cassisi, Chin, Cox, DeChurch, Dipboye, M. Dunn, S. Dunn, Fouty, Fritzsch, Ghasinejad, Gilson, Hancock, Hernandez, Hickey, Hitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, M. Kennerley, Le, McConnell, McGuire, Motarella, Mouloa, Murdoch, Negy, Pritchard, Rapport, Reed, Renk, Reynoso, Rinalducci, Salas, Sunders, Shirley, Storm, Sims, Smither, Szalma, Wang, Whitten, Wooten
Faculty Emeritus: Abbott, Burroughs, Morgan, Rollins, Thomas-Jenkins, Tucker
The Undergraduate Psychology Program has two primary missions; to prepare students for graduate training in psychology or related fields, and to provide the skills needed for students to apply the concepts and methods of psychology in their work, their communities, and their lives.

Degrees: Psychology (BS, MA, MS, PhD)
Tracks: None
Minors: Psychology
Certificates: Behavioral Forensics

Department of Sociology
Chair: J. Jasinski
Faculty: Canan, Sc.Carter, Sh.Carter, Cook, Corzine, Ford, Gay, Grauerholz, Huff-Corzine, Jasinski, Lynxwiler, Morris, Mustaine, Pals, Rivera, Sikorska-Simmons, Wright
Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with the 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: Sociology, Social Sciences Interdisciplinary

Department of Statistics
Chair: D. Nickerson; CCII 206; 407-823-5528
http://statistics.cos.ucf.edu/
Faculty: Cutchins, Johnson, Kellison, Modisett, Maboudou-Tchao, Ni, Pensky, Pepe, Ren, Richardson, J. Schott, S. Schott, Su, Uddin, Wang
The Department of Statistics offers courses and programs leading to a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)
The undergraduate program in statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree, 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.
In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS)
Tracks: Data Mining
Minors: Statistics, Actuarial Science

Program Academic Learning Compacts (student learning outcomes)
for undergraduate programs in the College of Sciences are located at:
http://www.oecs.ucf.edu/alc/alc_students_cosci.htm
OFFICE OF UNDERGRADUATE STUDIES

Office of Undergraduate Studies
Interim Dean: Elliot Vittes; MH 218; 407-823-2373
Associate Dean: TBA; MH 210; 407-823-2691
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 Faculty Center for Teaching and Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Pre-Professional Advising Office, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services
Associate Dean: TBA; MH 210; 407-823-2691
http://www.academicservices.ucf.edu/

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

Bachelor of Applied Science
Interim Dean: Elliot Vittes; MH 218; 407-823-2373
http://www.regionalcampuses.ucf.edu/bas/

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career advancement. This 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.

Experiential Learning
Director: Sheri Dressler, FC - 203: 407-823-2667
http://www.explearning.ucf.edu/

This office provides co-op, internship and service-learning courses for students in all colleges through collaboration with college faculty and employers locally, nationally and internationally. Department faculty teach co-op and internship courses, facilitate the development and approval of quality experiential learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile student learning outcome data from applied learning courses campus-wide. 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.

Faculty Center for Teaching and Learning
Director: Melody Bowdon, CL1-207: 407-823-3544
http://www.fctl.ucf.edu/

The Faculty Center provides support for all the roles of faculty - excellence in teaching and learning, successful research and creative activities, professional advancement, and collaborative endeavors - through multiple formats including workshops, events, consultations, class observations, online resources, publications, and strategic initiatives. This office coordinates the Academic Orientation for new faculty, university-level Undergraduate Teaching and Advising Awards, Scholarship of Teaching and Learning Awards, and assists with mentoring for faculty success.

McNair Scholars Program
Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1815
http://mcnair.ucf.edu/

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates, prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies
Director: Michael Hampton; Classroom Bldg I, Suite 302; 407-823-0144; E-mail: is@mail.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Ashley Eden, Jessica Simmons, Marcele Turner, Peter Wallace

The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

Degrees: Interdisciplinary Studies (BA, BS, MA, MS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women's Studies
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism

Office of Pre-Professional Advising (OPPA)
Director: Bernard Mackey, Ferrell Commons 215C: 407-823-3033
http://www.oppa.ucf.edu/

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

Research and Mentoring Program
Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1815
http://ramp.ucf.edu/

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

Undergraduate Research
Director: Kimberly Schneider, CC II 209; 407-823-3125
http://www.our.ucf.edu/

UCF offers numerous opportunities for undergraduates to pursue research in various disciplines with the guidance of a faculty mentor. This intensive research opportunity enhances the academic experience and challenges students advising, strengthens 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.aces.ucf.edu/alc/alc_students_us.htm
ROSEN COLLEGE OF HOSPITALITY MANAGEMENT

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 ex-tensive contact with leading hospitality managers in the Central Florida area. There are three undergraduate degrees offered.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tour-ism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and 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/aic/aic_students_rhm.htm
Accounting  
Advertising/Public Relations  
Aerospace Engineering  
Aerospace Engineering - Accelerated Undergraduate-Graduate Program  
Anthropology  
Applied Science - A.S. to B.S. Track  
Architecture  
Art - History Track  
Art - Studio Track  
Art - Visual Arts and Emerging Media Management Track  
Art - B.F.A. - Emerging Media Track  
Art - B.F.A. - Studio Art Track  
Art Education  
Athletic Training  
Biology  
Bioinformatics  
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 - A.S. to B.S. Track  
Digital Media  
Digital Media - Visual Language Track  
Early Childhood Development and Education - Track 1: Education: Pre-Kindergarten - Primary  
Early Childhood Development and Education - Track 2: Early Childhood Development  
Economics  
Economics, Business  
Economics - Accelerated Undergraduate-Graduate Program  
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  
Exceptional Student Education  
Film - B.F.A.  
Film - Cinema Studies Track  
Film - World Cinema 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  
Legal Studies  
Liberal Studies (See Interdisciplinary Studies)  
Management  
Marketing  
Mathematics - Applied Track  
Mathematics - Computational Track  
Mathematics - Engineering/Physics Track  
Mathematics - Mathematical Economics Track  
Mathematics - Pure Track  
Mathematics Education  
Mechanical Engineering  
Mechanical Engineering - Accelerated Undergraduate-Graduate Program  
Medical Laboratory Sciences  
Modern Language Combination  
Molecular Biology and Microbiology  
Molecular Biology and Microbiology - Preprofessional Concentration  
Molecular Biology and Microbiology - UCF/USF Accelerated Medical School  
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 - R.N. to B.S.N. Program  
Nursing - R.N. to M.S.N. Option  
Nursing - SCC/UCF A.S.N. to B.S.N. enrollment option  
Philosophy  
Photography  
Physics  
Political Science  
Political Science - Prelaw Track  
Psychology  
Public Administration  
Radio - Television  
Radiologic Sciences - A.S. to B.S. Track  
Real Estate  
Religious Studies  
Restaurant and Foodservice Management  
Science Education - Biology  
Science Education - Chemistry  
Science Education - Physics  
Social Science Education  
Social Sciences  
Social Work  
Sociology  
Spanish  
Sport and Fitness  
Statistics  
Technical Education and Industry Training  
Theatre  
Theatre - Musical Theatre Track  
Theatre Studies
# UCF Degree Programs

## 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](http://www.bus.ucf.edu)  
Phone: 407-823-2184

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

**Admission Requirements**
- Completion of the General Education program, Gordon Rule, and CLAS, or an AA Degree from a Florida Public Community College, or a Florida Public University.
- See Common Program Prerequisites.

**Degree Requirements**

- **1. UCF General Education Program (GEP)** (36 hrs)
- **A: Communication Education Foundations** (9 hrs)
  - **Prefer** SPC 1608 Fundamentals of Oral Communication 3 hrs
- **B: Cultural & Historical Foundations** (9 hrs)
- **C: Mathematical Foundations** (6 hrs)
  - **Required** CGS 2100C Computer Fundamentals for Business 3 hrs  
  - **Required** MAC 1140 Pre-Calculus Algebra 3 hrs
- **D: Social Foundations** (6 hrs)
  - **Select 1:**
    - **Suggested** ECO 2013 Principles of Macroeconomics or 3 hrs
    - **Suggested** ECO 2023 Principles of Microeconomics 3 hrs
- **Select 1:**
  - **Suggested** ANT 2000 General Anthropology or 3 hrs
  - **Suggested** PSY 2012 General Psychology or 3 hrs
  - **Suggested** SYG 2000 Introduction to Sociology 3 hrs
- **E: Science Foundations** (6 hrs)
- **2. Common Program Prerequisites (CPP)** (18 hrs)
  - **Must be completed with a “C” (2.0) or better**
  - **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**
  - **ACG 2021 Principles of Financial Accounting** 3 hrs
  - **ACG 2071 Principles of Managerial Accounting** 3 hrs
  - **CGS 2100C Computer Fundamentals for Business** 3 hrs
  - **ECO 2013 Principles of Macroeconomics** 3 hrs
  - **ECO 2023 Principles of Microeconomics** 3 hrs
- **Select one of the following sequences of courses:**
  - **Students must receive a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.**
  - **ECO 3401 Quantitative Business Tools I** 3 hrs
  - **or**
  - **MAC 2233 Concepts of Calculus and** 3 hrs
  - **STA 2023 Statistical Methods I** 3 hrs
- **3. Core Requirements: Basic Level** (0 hrs)
  - **None**
- **4. Core Requirements: Advanced Level** (32 hrs)
  - **First or subsequent semester in the College of Business Administration:**
    - **BUL 3130 Legal and Ethical Environment of Business** 4 hrs
    - **ECO 3411 Quantitative Business Tools II** 4 hrs
    - **FIN 3403C Business Finance** 4 hrs
    - **1 GEB 3031**
    - **GEB 3031L Cornerstone Lab: Professional Skills for Business** 1 hr
    - **GEB 3375 Introduction to International Business** 4 hrs
- **Required courses for major:** (24 hrs)
  - **ACG 3131 Financial Accounting Concepts and Analysis** 3 hrs
  - **ACG 3141 Intermediate Financial Accounting II** 3 hrs
  - **ACG 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 Transactions** 3 hrs
  - **TAX 4001 Taxation of Business Entities and** 3 hrs
- **5. Restricted Electives** (0 hrs)
  - **None**
- **6. Capstone Requirements** (4 hrs)
  - **MAN 4720 Strategic Management** 4 hrs
  - **This course should be taken in the graduating term and requires the following prerequisites:**
    - **FIN 3403C Business Finance** 4 hrs
    - **GEB 3031 Cornerstone: Professional Skills for Business** 3 hrs
    - **MAN 3025 Management of Organizations** 4 hrs
    - **MAR 3023 Marketing** 4 hrs
- **7. Foreign Language Requirements**
  - **Admissions**
    - **Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
  - **Graduation**
    - **None**
- **8. Electives**
  - **None**
- **9. Additional Requirements**
  - **Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.**
  - **Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).**
  - **Students who change degree programs and select this major must adopt the most current catalog.**
  - **Students must have a “C” (2.0) or better in each common program prerequisites class.**
  - **A minimum grade of “C” (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.**
  - **Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in a subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.”**

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1. Must be taken in 1st or 2nd semester.
Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

- Students must have at least a 2.0 GPA in the College of Business and in the accounting major.
- A grade of “C-” (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

All students must have credit for a course in each of the following areas:
- English communication arts including written composition
- Oral expression
- Behavioral science such as psychology, anthropology, and sociology
- Humanities
- Political environment of business and society such as political science, public administration, and ethics

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors in Major

- Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.
- 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:
  1. ACG 4903H Honors Directed Reading I or 1 hr
  2. ACG 4904H Honors Directed Reading II 1 hr

  and

  ACG 4970H Undergraduate Honors Thesis 1 hr

- With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Courses taken at community colleges do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
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1 ACG 2021 may be substituted with: ACG X011

Plan of Study

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Pre-Calculus Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist I*</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Psy/Ant/Soc</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td>3 hrs</td>
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Freshman Year - Spring

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<thead>
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<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Art/Mus/Lit</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist II*</td>
<td></td>
<td>3 hrs</td>
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Sophomore Year - Fall

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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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<tr>
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<tr>
<td>Free Elective</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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</table>

Sophomore Year - Spring

<table>
<thead>
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<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3401</td>
<td>Quantitative Business Tools I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Junior Year - Fall
ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
GEB 3031 Professional Skills for Business 3 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs

Junior Year - Spring
ACG 3141 Intermediate Financial Accounting II 3 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
GEB 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs

Senior Year - Fall
ACG 3361 Cost Accounting I 3 hrs
ACG 3362 Cost Accounting II 3 hrs
ACG 4401C Accounting Information Systems 3 hrs
FIN 3403C Business Finance 4 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs

Senior Year - Spring
ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
1 ACG 4651 Auditing 3 hrs
ACG 4903 Contemporary Issues in Accounting 3 hrs
MAN 4720 Strategic Management 4 hrs

1 •“C” (2.0) or better grade required in each class.
**Accounting majors must have a “C” (2.0) or better in each class to include law and tax and a 2.0 GPA in major.
***General electives as required to reach 120 semester hours.

Program Academic Learning Compacts
• Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
• Part-Time Student: $15 per term
• Full-Time Student: $30 per term

Advertising/Public Relations (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: adpr@ucf.edu
Joan McCain - Area Coordinator, jmccain@mail.ucf.edu
Rebecca Morales - Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Admission Requirements
• Students should apply to become Advertising/Public Relations majors only after completing all requirements for admission.
• Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
• The student’s GPA is a major component of the admission criteria.
• The admission GPA will be calculated using all college work attempted.
• The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
• Students must demonstrate acceptable keyboard skills.
• Students must receive a positive evaluation by the School.
• Students must successfully complete the following courses before applying:

Complete the following: 6 hrs
ADV 3008 Principles of Advertising 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;
• July 1 to be admitted the next Fall term.

Degree Requirements
• Students who change degree programs (other than from AD/PR Pending) and select this major must adopt the most current catalog.
• Co-op credit can be used in the major with advisor’s prior approval.
• Students should consult with a departmental advisor.
• School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
• Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
• Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
• To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hour may be taken within the Nicholson School of Communication.
• Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
• A maximum of three credit hours of internship may be earned in one semester.
• Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
Select one course from group B 2. 3 hrs

C: Mathematical Foundations (6 hrs)
Math Suggested MGF 1106 Finite Mathematics or 3 hrs
Prefer MGF 1107 Explorations in Mathematics or 3 hrs
May substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics Required STA 2014C Principles of Statistics or 3 hrs
May substitute a more advanced STA course. 3 hrs

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

Social Sciences 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) (0 hrs)
• See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select either Economics course: 0 hr
ECO 2013 Principles of Macroeconomics or GEP
ECO 2023 Principles of Microeconomics GEP
Select this Speech course: 0 hr
SPC 1608 Fundamentals of Oral Communication GEP

3. Core Requirements: Basic Level (6 hrs)
Must be completed before applying to the program:
Complete all of the following: 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 the following classes: hr
SPC 1608 Fundamentals of Oral Communication and GPA/ICPP
STA 2014C Principles of Statistics GPA/ICPP
Complete every economics class: 0 hr
ECC 2013 Principles of Macroeconomics or GPA/ICPP
ECC 2023 Principles of Microeconomics GPA/ICPP

4. Core Requirements: Advanced Level (21 hrs)
Complete after admission to the program:
ADV 4101 Advertising Copywriting 3 hrs
COM 3311 Communication Research Methods 3 hrs
MMC 3200 Mass Communication Law 3 hrs
MMC 4411 ADPR Campaigns 3 hrs
PUR 3100 Writing for Public Relations 3 hrs
VIC 3001 Visual Communication 3 hrs

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

5. Restricted Electives (12 hrs)
Complete a maximum of 12 credits of the following after admission to the program:
ADV 4031 Radio-Television Advertising 3 hrs
ADV 4300 Advertising Media Planning 3 hrs
COM 3110 Business and Professional Communication 3 hrs
JOU 4700 Journalism Ethics 3 hrs
PUR 4101C 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 3 hrs
PUR 4941 Internship 3 hrs

6. Capstone Requirements
The following Advanced Core course meets the Capstone Requirement:
MMC 4411 ADPR Campaigns 3 hrs

7. Foreign Language Requirements
Admissions
Met by graduation requirement
Graduation
Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
Select primarily from upper level courses, with School advisor’s approval. Must be from outside the School in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. Additional Requirements
None

10. Required Minors
None required. However if a minor desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
Achieve an overall GPA in required UCF AD/PR courses. This GPA does not include electives.
Before applying to graduate, the CLAS must be completely satisfied.
Computer Competency met by the following course or departmental assessment.

STA 2014C Principles of Statistics 3 hrs

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
None

Related Programs
Marketing

Certificates
None

Related Minors
NOTE: Minors taught within the School of Communication are not open to AD/PR majors.
Business
Digital Media
English - Writing
Hospitality Management
Marketing
Political Science
Psychology
Sociology

Advising Notes
Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
Lower division courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

Plan of Study
One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 13 hrs
GEP 3 hrs
GEP 3 hrs
Foreign Language 4 hrs
ENC 1101 Composition I 3 hrs
## UCF Degree Programs

### Freshman Year - Spring
- **16 hrs**
- **GEP** 3 hrs
- Foreign Language 4 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1068 Fundamentals of Oral Communication 3 hrs
- STA 2014C Principles of Statistics 3 hrs

### Sophomore Year - Fall
- **15 hrs**
- **GEP** 3 hrs
- **GEP** 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- PUR 4000 Public Relations 3 hrs
- Free Elective-take outside of NSC, 3 hrs

### Sophomore Year - Spring
- **15 hrs**
- **GEP** 3 hrs
- **GEP** 3 hrs
- ADV 3008 Principles of Advertising 3 hrs
- Free Elective-take outside of NSC, 3 hrs
- Free Elective-take outside of NSC, 3 hrs
- Application to program

### Junior Year - Fall
- **15 hrs**
- Restricted Elective 3 hrs
- VIC 3001 Visual Communication 3 hrs
- Free Elective-take outside of NSC, 3 hrs
- Free Elective-take outside of NSC, 3 hrs
- Free Elective-take outside of NSC, 3 hrs

### Junior Year - Spring
- **15 hrs**
- **ADV 4101** Advertising Copywriting 3 hrs
- COM 3311 Communication Research Methods 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- Free Elective-take outside of NSC, 3 hrs
- Free Elective-take outside of NSC, 3 hrs

### Senior Year - Fall
- **16 hrs**
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- PUR 3100 Writing for Public Relations 3 hrs
- Select 1: 3 hrs
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship 3 hrs
- Free Elective-take outside of NSC, 4 hrs
- Graduation Review

### Senior Year - Spring
- **15 hrs**
- Restricted Elective 3 hrs
- MMC 4411 AD/PR Campaigns 3 hrs
- Free Elective-take outside of NSC, 3 hrs
- Free Elective-take outside of NSC, 3 hrs
- Free Elective-take outside of NSC, 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alp/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term

## Aerospace Engineering (B.S.A.E.)

### College of Engineering and Computer Science

### Department of Mechanical, Materials, and Aerospace Engineering, Engineering I, Room: 307

**E-mail:** mmaeugrad@mail.ucf.edu

Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Phone: 407-823-2416

### Admission Requirements
- None

## Degree Requirements

### 1. UCF General Education Program (GEP) (38 hrs)
- UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

#### A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

#### Select 1:

**Preferred** SPC 1603 Fundamentals of Technical Presentations or 3 hrs
- Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)
- Select two classes from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

#### C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

#### D: Social Foundations (6 hrs)
- **Preferred** ECO 2023 Principles of Microeconomics 3 hrs
- **Preferred** ECO 2013 Principles of Macroeconomics 3 hrs

#### Select 1:

**Select one class from Social Foundations 3 hrs**

#### E: Science Foundations (7 hrs)
- **Suggested** PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Select one class from Science Foundations 3 hrs

### 2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.

#### A: Communication Foundations (9 hrs)

1. ENC 1101 Composition I 3 hrs
2. ENC 1102 Composition II 3 hrs
3. MAC 2311 Calculus with Analytic Geometry I GEP
4. MAC 2312 Calculus with Analytic Geometry II 4 hrs
5. MAC 2313 Calculus with Analytic Geometry III 4 hrs
6. MAP 2302 Differential Equations 3 hrs
7. PHY 2048C Physics for Engineers & Scientists I GEP
8. PHY 2049C Physics for Engineers and Scientists II 4 hrs

#### Select 1:

**Select one class from Social Foundations 3 hrs**

#### B: Cultural & Historical Foundations (9 hrs)
- **Preferred** ECO 2023 Principles of Microeconomics 3 hrs
- **Preferred** ECO 2013 Principles of Macroeconomics 3 hrs

#### Select one class from Cultural Foundations 3 hrs

#### C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

#### D: Social Foundations (6 hrs)
- **Preferred** ECO 2023 Principles of Microeconomics 3 hrs
- **Preferred** ECO 2013 Principles of Macroeconomics 3 hrs

#### Select 1:

**Select one class from Social Foundations 3 hrs**

#### E: Science Foundations (7 hrs)
- **Suggested** PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Select one class from Science Foundations 3 hrs

### Services section for more information.

- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I GEP
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

#### Select 1:

**Select one class from Social Foundations 3 hrs**

### Humanities or Social Sciences

1. A "C" (2.0) or better is required in this course.
2. A "C" (2.0) or better is required in this course. Must also take PHY 2041C as 2nd part of sequence.
3. A "C" (2.0) or better is required in this course. Must also take CHM 2040C as 1st part of sequence.
3. Core Requirements: Basic Level (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.
   - EGN 1006C  Introduction to the Engineering Profession 1 hr
   - EGN 1007C  Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (54 hrs)
   - 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://mnae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf
   - EAS 3010  Fundamentals of Aerospace Flight 3 hrs
   - EAS 3101  Fundamentals of Aerodynamics 3 hrs
   - EAS 3800C  Aerospace Engineering Measurements 3 hrs
   - EAS 3810C  Design of Aerospace Experiments 3 hrs
   - EAS 4105  Flight Mechanics 3 hrs
   - EAS 4134  High-Speed Aerodynamics 3 hrs
   - EAS 4200  Flight Structures 3 hrs
   - EAS 4210  Space Structural Dynamics 3 hrs
   - EAS 4300  Aerothermodynamics of Propulsion Systems 3 hrs
   - EGM 3601  Solid Mechanics 3 hrs
   - EGN 3310  Engineering Analysis-Statics 3 hrs
   - EGN 3321  Engineering Analysis-Dynamics 3 hrs
   - EGN 3343  Thermodynamics 3 hrs
   - EGN 3373  Principles of Electrical Engineering 3 hrs
   - EMA 3706  Structure and Properties of Aerospace Materials 3 hrs
   - EML 4312C  Feedback Control 3 hrs
   - STA 3032  Probability and Statistics for Engineers GEP

Select 1:
   - EAS 3530  Space Systems Concepts or 3 hrs
   - EAS 4505  Orbital Mechanics 3 hrs

5. Restricted Electives (9 hrs)
   - These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
   - GECS encourages all engineering students to take the Fundamentals Exam during their senior year.
   - 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

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.
   - GECS encourages all engineering students to take the Fundamentals Exam during their senior year.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 128

Honors in Major
   - None

Related Programs
   - Mechanical Engineering

Certificates
   - None

Related Minors
   - Engineering Leadership
   - Intelligent Robotic Systems (IRS) - Interdisciplinary

Advising Notes

Career and Academic Advising
   - The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
   - EAS 3990  Aerospace Career and Academic Faculty 0 hrs
   - EAS 4991  Aerospace Career and Academic Faculty 0 hrs

Transfer Notes
   - Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
   - Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
   - EGN 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses may be substituted by an approved Aerospace Engineering Elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study (128 hrs)
   - The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall (15 hrs)
   - GEPS 3 hrs
   - EGN 1006C  Introduction to the Engineering Profession 1 hr
   - ENC 1101  Composition I 3 hrs
   - MAC 2311  Calculus with Analytic Geometry I 4 hrs

Select 1: (4 hrs)
   - CHM 2040C  Chemistry Fundamentals IA or 3 hrs
   - CHM 2041C  Chemistry Fundamentals IB or 3 hrs
   - CHM 2045C  Chemistry Fundamentals I or 4 hrs
   - CHS 1440  Fundamentals of Chemistry for Engineers 4 hrs

1 Preferred
### UCF Degree Programs

#### 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
- **SPC 1608** Fundamentals of Oral Communication 3 hrs

#### Freshman Year - Summer 10 hrs
- **GEP** 3 hrs
- **EMA 3706** Structure and Properties of Aerospace Materials 3 hrs
- **MAC 2313** Calculus with Analytic Geometry III 4 hrs

#### Sophomore Year - Fall 13 hrs
- **EGN 3310** Engineering Analysis-Statics 3 hrs
- **MAP 2302** Differential Equations 3 hrs
- **PHY 2049C** Physics for Engineers and Scientists II 4 hrs
- **STA 3032** Probability and Statistics for Engineers 3 hrs

#### Sophomore Year - Spring 12 hrs
- **EGM 3601** Solid Mechanics 3 hrs
- **EGN 3321** Engineering Analysis-Dynamics 3 hrs
- **EGN 3343** Thermodynamics 3 hrs
- **EGN 3373** Principles of Electrical Engineering 3 hrs

#### Sophomore Year - Summer 9 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **Select 1:** 3 hrs
  - **ECO 2013** Principles of Macroeconomics or 3 hrs
  - **ECO 2023** Principles of Microeconomics 3 hrs

#### Junior Year - Spring 15 hrs
- **EAS 3010** Fundamentals of Aerospace Flight 3 hrs
  - **EAS 3530** Space Systems Concepts 3 hrs
  - **EAS 3800C** Aerospace Engineering Measurements 3 hrs
  - **EAS 3990** Aerospace Career and Academic Faculty Advising I 0 hrs
  - **EAS 4105** Flight Mechanics 3 hrs
  - **EAS 4210** Space Structural Dynamics 3 hrs
  - **EAS 4300** Aerothermodynamics of Propulsion Systems 3 hrs

#### Junior Year - Summer 9 hrs
- **Select 1:** 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.

#### Senior Year - Fall 12 hrs
- **EAS 4105** Flight Mechanics 3 hrs
- **EAS 4134** High-Speed Aerodynamics 3 hrs
- **EAS 4991** Aerospace Career and Academic Faculty Advising II 0 hrs
- **EML 4312C** Feedback Control 3 hrs

#### Senior Year - Spring 15 hrs
- **Select 1:** 3 hrs
  - **Suggested MGF 1107** Explorations in Mathematics or 3 hrs
  - **Suggested MGF 1106** Finite Mathematics or 3 hrs

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeps.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeps.ucf.edu/alc/academic_learning_compacts.htm)

### Anthropology (B.A.)

**College of Sciences**

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

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

Dr. John Schultz, jschultz@mail.ucf.edu

Phone: 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations associated with the Maya culture in the Central American country of Belize.

### Admission Requirements
- None

#### Degree Requirements
- UCF students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department.
- Students must maintain a grade of "C" (2.0) or better in all courses used for the major.
- Co-op or internship credit cannot be used in the major without prior approval.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

   **A:** Communication Foundations (9 hrs)
   **B:** Cultural & Historical Foundations (9 hrs)
   **C:** Mathematical Foundations (6 hrs)

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

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

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

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

2. **Common Program Prerequisites (CPP)** (0 hrs)

   **See Transfer Notes for possible substitutes**
   **See “Common Prerequisites” in the Transfer and Transitions Services section**

3. **Core Requirements: Basic Level** (6 hrs)
   - ANT 2000 General Anthropology 3 hrs
   - ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
   - ANT 2410 Cultural Anthropology 3 hrs
   - ANT 2511 The Human Species 3 hrs

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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**Undergraduate Catalog 2010-2011**

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4. Core Requirements: Advanced Level (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3145 Archaeology of Complex Societies</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3610 Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4034 History of Anthropological Thought</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4586 Human Origins</td>
<td>3</td>
</tr>
</tbody>
</table>

5. Restricted Electives (21 hrs)

**Area Study**

- Select at least one of the following courses:
  - ANT 3148 Life and Death in Ancient Egypt (3 hrs)
  - ANT 3152 Indians of the Southwest (3 hrs)
  - ANT 3158 Florida Archaeology (3 hrs)
  - ANT 3160 Americas Before Columbus (3 hrs)
  - ANT 3161 Archaeology of Mexico (3 hrs)
  - ANT 3163 Mesoamerican Archaeology (3 hrs)
  - ANT 3164 Ancient Incas (3 hrs)
  - ANT 3165 Archaeology of South America (3 hrs)
  - ANT 3168 Maya Archaeology (3 hrs)
  - ANT 3311 Indians of the Southeastern United States (3 hrs)
  - ANT 3312 Ethnology of North American Indians (3 hrs)
  - ANT 3313 Indians of North America High Plains (3 hrs)
  - ANT 3314 Indians of the Northeast Woodlands (3 hrs)
  - ANT 3318 Indians of the Northwest Coast (3 hrs)
  - ANT 3319 Anthropology of Diaspora (3 hrs)
  - ANT 3344 Puerto Rican Culture (3 hrs)
  - ANT 3362 Peoples of Southeast Asia (3 hrs)
  - ANT 3363 Anthropology of Japan (3 hrs)
  - ANT 4144 Prehistory of North America (3 hrs)
  - ANT 4153 North American Archaeology (3 hrs)
  - ANT 4308 Gender Issues in Latin America (3 hrs)
  - ANT 4332 People and Cultures of Latin America (3 hrs)
  - ANT 4340 Caribbean Cultures (3 hrs)
  - ANT 4352 African Societies and Cultures (3 hrs)
  - ANT 4354 Postcolonial Africa (3 hrs)

**Restricted Electives** 18 hrs

- Select at least six other Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANG 5166 Problems in Maya Studies</td>
<td>3</td>
</tr>
<tr>
<td>ANG 5167 Maya Hieroglyphs</td>
<td>3</td>
</tr>
<tr>
<td>ANG 5228 Maya Iconography</td>
<td>3</td>
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<tr>
<td>ANG 5622 Language, Culture and Pedagogy</td>
<td>3</td>
</tr>
<tr>
<td>ANG 5742 Problems in Forensic Anthropology</td>
<td>3</td>
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<tr>
<td>ANG 5822 Maya Field Research</td>
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<tr>
<td>ANT 3106 Archaeology and Popular Culture</td>
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<tr>
<td>ANT 3115 Archaeological Method and Theory</td>
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<tr>
<td>ANT 3142 Old World Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3173 Archaeology of Sex</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3177 Archaeology of Caribbean Piracy</td>
<td>3</td>
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<tr>
<td>ANT 3212 Peoples of the World</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3241 Magic, Ritual, and Belief</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3245 Native American Religions</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3262 Rural Society</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3273 Law and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3302 Sex, Gender and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3330 Cultural Ecology of Amazonia</td>
<td>3</td>
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<tr>
<td>ANT 3393 American Indian Literature and Culture in Florida</td>
<td>3</td>
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<tr>
<td>ANT 3398 Black/Seminole Relations</td>
<td>3</td>
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<tr>
<td>ANT 3450 Living in the USA: Anthropological Perspectives</td>
<td>3</td>
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<tr>
<td>ANT 3541 Biobehavioral Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3550 Primatology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3701 Applied Anthropology</td>
<td>3</td>
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<tr>
<td>ANT 3949 Cooperative Education in Anthropology</td>
<td>0</td>
</tr>
<tr>
<td>ANT 4013 Anthropological Perspectives on Fast Food</td>
<td>3</td>
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<tr>
<td>ANT 4100C Seminar in Laboratory Analysis</td>
<td>3</td>
</tr>
<tr>
<td>1 ANT 4183 Archaeological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>1 ANT 4184 Mortuary Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4266 Economic Anthropology: Production, Consumption, and Exchange</td>
<td>3</td>
</tr>
<tr>
<td>1 ANT 4303 Anthropology of Tourism</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4308 Gender Issues in Latin America</td>
<td>3</td>
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<tr>
<td>ANT 4408 Culture, Disease, and Healing</td>
<td>3</td>
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<tr>
<td>ANT 4462 Medical Anthropology</td>
<td>3</td>
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<tr>
<td>1 ANT 4467 Nutritional Anthropology</td>
<td>3</td>
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<tr>
<td>ANT 4516 Human Biological Diversity</td>
<td>3</td>
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<tr>
<td>ANT 4521C Forensic Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4525C Human Osteology</td>
<td>4</td>
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<tr>
<td>ANT 4528C Advanced Forensic Anthropology</td>
<td>5</td>
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<tr>
<td>ANT 4560 Anthropological Growth</td>
<td>3</td>
</tr>
<tr>
<td>1 ANT 4702 Culture, Power and Development</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4802 Ethnographic Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4824 Advanced Archaeological Fieldwork</td>
<td>9</td>
</tr>
</tbody>
</table>

1 Alternative, you may select the 5000 level equivalent, but not both.

6. Capstone Requirements

- None

7. Foreign Language Requirements

- Met by graduation requirement

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A grade of "C" (2.0) or better in all courses used for the major.

- Students will be required to take a standard exit exam.

- Before applying to graduate, the CLAS must be completely satisfied.

- Computer Competency met by the following:
  - ANT 2140 Archaeology and the Rise of Human Culture (3 hrs)

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Social Sciences
- Sociology

Certificates

- None

Related Minors

- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women's Studies
### UCF Degree Programs

#### Advising Notes
- None

#### Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- Although any ANT course satisfies the CPP, the specified courses are required in the core and must be taken regardless.

#### Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall
- **15 hrs**
  - **GEP**
  - **ANT 2000** General Anthropology 3 hrs
  - **COM 1000** Introduction to Communication 3 hrs
  - **ENC 1101** Composition I 3 hrs
  - **MGF 1107** Explorations in Mathematics 3 hrs

### Freshman Year - Spring
- **15 hrs**
  - **GEP**
  - **GEP**
  - **GEP**
  - **ANT 2511** The Human Species 3 hrs
  - **ENC 1102** Composition II 3 hrs

### Sophomore Year - Fall
- **15 hrs**
  - **Free Elective**
  - **Restricted Elective**
  - **GEP**
  - **ANT 2340** Archaeology and the Rise of Human Culture 3 hrs
  - **ANT 2410** Cultural Anthropology 3 hrs

### Sophomore Year - Spring
- **15 hrs**
  - **Restricted Elective**
  - **Free Elective**
  - **GEP**
  - **Restricted Elective**
  - **ANT 3610** Language and Culture 3 hrs

### Junior Year - Fall
- **15 hrs**
  - **Foreign Language**
  - **Restricted Elective**
  - **Elective / Minor**
  - **Elective / Minor**
  - **ANT 3145** Archaeology of Complex Societies 3 hrs

### Junior Year - Spring
- **15 hrs**
  - **Foreign Language**
  - **Restricted Elective**
  - **Elective / Minor**
  - **Elective / Minor**
  - **ANT 4586** Human Origins 3 hrs

### Senior Year - Fall
- **15 hrs**
  - **Restricted Elective**
  - **Restricted Elective**
  - **Elective / Minor**
  - **Elective / Minor**
  - **Free Elective**

### Senior Year - Spring
- **15 hrs**
  - **Restricted Elective**
  - **Free Elective**
  - **Elective / Minor**
  - **ANT 4034** History of Anthropological Thought 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Applied Science (BAS) A.S. to B.S. Track (B.A.S.)
**NOTE:** For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

#### Architecture (B.Des.)
- College of Arts and Humanities
- School of Visual Arts and Design
- (This program is offered at UCF at the Valencia West Campus)

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.

#### 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.

#### 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)**
   - 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.

   **A:** Communication Foundations (9 hrs)
   **B:** Cultural & Historical Foundations (6 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**
   - A.A. Courses (completed in the A.A. in Architecture from VCC).
   - ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in VCC’s architecture program but required for the B.Des. at UCF. See courses below.

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

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

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

8. Electives (10 hrs)
- Unrestricted electives can be any 3000 or 4000 level course offering or equivalent.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

UCF Degree Programs

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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Art B.A. - History Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu/
Margaret Zaho
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in lower level courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a school art history advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required ARH 2050 History of Western Art I 3 hrs
   Required ARH 2051 History of Western Art II 3 hrs
   Select a course from 1.B.1 list 3 hrs

   C: Mathematical Foundations (6 hrs)
   1 Prefer MGF 1106 Finite Mathematics 3 hrs
   Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   1 may substitute a higher level math

   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)
UCF Degree Programs

2. Common Program Prerequisites (CPP) (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II GEP
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs

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

4. Core Requirements: Advanced Level (15 hrs)
- ARH 4310 Italian Renaissance Art 3 hrs
- ARH 4430 19th Century Art 3 hrs
- ARH 4450 20th Century Art 3 hrs
- ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs

5. Restricted Electives (24 hrs)
Select one Non-Western Art History course from the following:
- ARH 3520 African Art 3 hrs
- ARH 4540 Art of India 3 hrs
- ARH 4653 Meso American Art 3 hrs

One of the following courses:
- ARH 4200 Medieval Art 3 hrs
- ARH 4350 Baroque Art 3 hrs
- ARH 4871 Women in Art 3 hrs

Select 18 additional hours from the following:
- ARH 3471 Art in the Last 25 Years 3 hrs
- ARH 3520 African Art 3 hrs
- ARH 3610 American Art 3 hrs
- ARH 3710 History of Photography I 3 hrs
- ARH 3711 History of Photography II 3 hrs
- ARH 3720 History of Prints 3 hrs
- ARH 3728 History of Illustration 3 hrs
- ARH 4150 Roman Art and Architecture 3 hrs
- ARH 4200 Medieval Art 3 hrs
- ARH 4350 Baroque Art 3 hrs
- ARH 4352 Italian Baroque Art 3 hrs
- ARH 4653 Meso American Art 3 hrs
- ARH 4871 Women in Art 3 hrs
- ARH 5897 Advanced Seminar in Art History 3 hrs
- ARH 3XXX-4XXX Additional Art History course 3 hrs

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
- Achieve at least a “C” GPA (2.0) in courses within the major.
- ARH 4912 Directed Independent Research 1 hr
- Computer Competency met by one of the following:
- ARH 3820 Visual Arts Administration Vitas 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
None

Related Programs
- Art B.F.A. - Studio Art Track
- Art Education

Certificates
None

Related Minors
- Art - Studio
- Community Arts - PAVE

Advising Notes
None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Acceptable Substitutes for Transfer Courses
None

Plan of Study

Freshman Year - Fall 12 hrs
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Freshman Year - Spring 15 hrs
- Restricted Elective 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
- ARH 2300C Drawing Fundamentals I 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Spring 15 hrs
- ANT 2000 General Anthropology 3 hrs
- ARH 4540 Art of India 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Junior Year - Fall 15 hrs
- ARH 3710 History of Photography I 3 hrs
- ARH 4310 Italian Renaissance Art 3 hrs
- ARH 4450 20th Century Art 3 hrs
- ARH 4653 Meso American Art 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
ARH 3711 History of Photography II 3 hrs
ARH 4430 19th Century Art 3 hrs
ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
SPAN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Required Elective 3 hrs
ARH 4350 Baroque Art 3 hrs
ARH 4XXX 3 hrs

Senior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Required Elective 3 hrs
ARH 4170 Greek & Roman Art 3 hrs
ARH 4XXX 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art B.A. - Studio Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Ms. Donna Mercado, 407-823-1708

Note: Although the School maintains a computer lab for student use, students must have continual access to a lap top computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a school advisor in their specialization.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these hours must be in an area of specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

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

3. Core Requirements: Basic Level (6 hrs)
- ARH 2050 History of Western Art I
- ARH 2051 History of Western Art II
- ARH 2201C Design Fundamentals-Two Dimensional 3 hrs
- ARH 2203C Design Fundamentals-Three Dimensional 3 hrs
- ARH 2300C Drawing Fundamentals I 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- Any ART 4XXX course or media course. 3 hrs

4. Core Requirements: Advanced Level (0 hrs)
- None

5. Restricted Electives (27 hrs)
- Select nine upper division courses from at least three areas:
  - Art History
  - Book Arts
  - Drawing and Printmaking
  - Illustration
  - Painting

   1 May be repeated for credit.
   2 These courses are offered with the following designations:

Ceramics
- ART 3761C Intermediate Ceramics 3 hrs
  - ART 4783C Advanced Ceramics 3 hrs

Drawing and Printmaking
- ART 3322C Intermediate Drawing 3 hrs
- ART 3423C Screenprinting 3 hrs
- ART 4320C Advanced Drawing 3 hrs
- ART 4420C Advanced Printmaking 3 hrs

Illustration
- GRA 2151C Illustration 3 hrs
- GRA 4154C Advanced Illustration 3 hrs

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

1 May be repeated for credit.
## UCF Degree Programs

### Photography
- **PGY 2401C** Beginning Photography 3 hrs
- **PGY 4400C** Special Problems in Photography 3 hrs

1 May be repeated for credit.

### Sculpture
- **ART 2701C** Sculpture 3 hrs
- **ART 4710C** Advanced Sculpture 3 hrs

1 May be repeated for credit.

### Type and Design
- **GRA 3202C** Type & Design 3 hrs

### Capstone Requirements
- None

### Foreign Language Requirements
- None

### Electives
- Select primarily from upper level courses, with school advisor’s approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

### Additional Requirements
- None

### Required Minors
- None

### Departmental Exit Requirements
- Achieve at least a GPA (2.0) overall in courses within the major.
- Computer Competency met by:
  - **GRA 2101C** Introduction to Computer Art 3 hrs
  - **STA 1060C** Basic Statistics Using Microsoft Excel 3 hrs

### Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- Art B.A. - Visual Arts and Emerging Media Management Track
- Art B.F.A. - Emerging Media Track
- Art Education

### Certificates
- None

### Related Minors
- Digital Media

---

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

For common program prerequisites if taken.
- **GRA 2101C** Introduction to Computer Art 3 hrs
  - may be repeated with:
    - 3 hours of any digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major

### Plan of Study

#### Freshman Year - Fall
- **ARH 2050** History of Western Art I 3 hrs
- **ART 2823** Art as Interface 3 hrs
- **ENC 1101** Composition I 3 hrs
- **HUM 2210** Humanistic Tradition I 3 hrs
- **MGF 1106** Finite Mathematics 3 hrs

#### Freshman Year - Spring
- **ART 2201C** Design Fundamentals-Two Dimensional 3 hrs
- **ENC 1102** Composition II 3 hrs
- **STA 1060C** Basic Statistics Using Microsoft Excel 3 hrs

#### Sophomore Year - Fall
- **ART 2203C** Design Fundamentals-Three Dimensional 3 hrs
- **ART 2300C** Drawing Fundamentals I 3 hrs
- **COM 1000** Introduction to Communication 3 hrs
- **GRA 2101C** Introduction to Computer Art 3 hrs
- **POS 2041** American National Government 3 hrs

#### Sophomore Year - Spring
- **ANT 2000** General Anthropology 3 hrs
- **ARH 2500** History of Non-Western Art 3 hrs
- **ART 4320C** Advanced Drawing 3 hrs
- **ART 3950** Portfolio Review 0 hrs
- **BSC 1005** Biological Principles 3 hrs
- **BSC 1020** Concepts in Chemistry 3 hrs

#### Junior Year - Fall
- **ART 3332C** Intermediate Drawing 3 hrs
- **ART 4320C** Advanced Drawing 3 hrs
- **SPN 1120C** Elementary Spanish Language and Civilization I 4 hrs

#### Junior Year - Spring
- **ART 3161** Mixed Media 3 hrs
- **ART 4320C** Advanced Drawing 3 hrs
- **SPN 1121C** Elementary Spanish Language and Civilization II 4 hrs

1 Any language at this level is acceptable.

#### Senior Year - Fall
- **ART 3950** Portfolio Review 0 hrs
- **ART 4320C** Advanced Drawing 3 hrs
- **PGY 4400C** Special Problems in Photography 3 hrs

#### Senior Year - Spring
- **ART 4320C** Advanced Drawing 3 hrs
- **PGY 4400C** Special Problems in Photography 3 hrs
### 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)

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A: Communication Foundations</strong> (9 hrs)</td>
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<tr>
<td></td>
<td>ARH 2050 History of Western Art I and II</td>
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<tr>
<td></td>
<td>MGF 1106 Finite Mathematics</td>
</tr>
<tr>
<td></td>
<td>STA 1060C Basic Statistics Using Microsoft Excel</td>
</tr>
<tr>
<td><strong>B: Cultural &amp; Historical Foundations</strong> (9 hrs)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ARH 2500 History of Non-Western Art</td>
</tr>
<tr>
<td></td>
<td>ARH 3710 History of Photography I or II</td>
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<tr>
<td></td>
<td>ARH 3711 History of Photography II or II</td>
</tr>
<tr>
<td></td>
<td>ARH 3720 History of Prints or</td>
</tr>
<tr>
<td></td>
<td>DIG 2000 DIG 3024</td>
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<tr>
<td><strong>C: Mathematical Foundations</strong> (6 hrs)</td>
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<tr>
<td></td>
<td>MGF 1106 Finite Mathematics</td>
</tr>
<tr>
<td></td>
<td>STA 1060C Basic Statistics Using Microsoft Excel</td>
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<tr>
<td><strong>D: Social Foundations</strong> (6 hrs)</td>
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<tr>
<td></td>
<td>ARH 2050 History of Western Art I and II</td>
</tr>
<tr>
<td><strong>E: Science Foundations</strong> (6 hrs)</td>
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</tr>
<tr>
<td></td>
<td>ARH 2051 History of Western Art II</td>
</tr>
<tr>
<td></td>
<td>ART 2001C Design Fundamentals-Two Dimensional</td>
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<td></td>
<td>ART 203C Design Fundamentals-Three Dimensional</td>
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<td></td>
<td>ART 2030C Drawing Fundamentals I</td>
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<td></td>
<td>ART 2031C Drawing Fundamentals II</td>
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<td></td>
<td>GRA 2101C Introduction to Computer Art</td>
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</table>

#### 2. Common Program Prerequisites (CPP) (24 hrs)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 2001C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3</td>
</tr>
<tr>
<td>ART 203C</td>
<td>Design Fundamentals-Three Dimensional</td>
<td>3</td>
</tr>
<tr>
<td>ART 2030C</td>
<td>Drawing Fundamentals I</td>
<td>3</td>
</tr>
<tr>
<td>ART 2031C</td>
<td>Drawing Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
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</table>

#### 3. Core Requirements: Basic Level (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ARH 2500</td>
<td>History of Non-Western Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 2823</td>
<td>Art as Interface</td>
<td>3</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (7 hrs)

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ART 3950</td>
<td>Portfolio Review</td>
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<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
<td>3</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives (21 hrs)

- Select restricted electives as required from each of these four areas of emphasis:
  - Aesthetics and Theory (6 hrs)
  - Written Communication (3 hrs)
  - Information Management (6 hrs)
  - Business (3 hrs)
  - Arts Management (3 hrs)

### Equipment Fees

- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term
UCF Degree Programs

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- (Credit hours are variable)
- Select primarily from upper level courses, with school advisor's approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art B.F.A. - Studio Art Track
- Art B.A. - History Track
- Art Education

Certificates
- None

Related Minors
- Community Arts - PAVE
- Digital Media
- Technological Entrepreneurship

Advising Notes
- None

Transfer Notes
- Grades less than a “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study

Freshman Year - Fall 15 hrs
- ARH 2050 History of Western Art I 3 hrs
- ART 2323 Art as Interface 3 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

1 req #1B1-GEP
2 req #1C1-GEP

Freshman Year - Spring 15 hrs
- Supporting Elective 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 Check restrictions

Sophomore Year - Fall 15 hrs
- ART 2201C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- POS 2041 American National Government 3 hrs

1 req #1A3-GEP
2 req #ID1-GEP

Sophomore Year - Spring 15 hrs
- ANT 2000 General Anthropology 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ART 3950 Portfolio Review 0 hrs
- BSC 1005 Biological Principles 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs

1 req #1D2-GEP
2 req #E2-GEP
3 req #1E1-GEP

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Supporting Elective 1 hr
- Supporting Elective 3 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

1 req #5
2 Check restrictions
3 req #Lang/Elect

Junior Year - Spring 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

1 req #5
2 Check restrictions
3 req #Lang/Elect

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

1 req #5
2 Check restrictions
### Admission Requirements

#### None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should consult with a school advisor prior to selecting a specialization and at least annually thereafter.

#### 1. UCF General Education Program (GEP)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A:</strong> Communication Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td><strong>B:</strong> Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td><strong>Take all of the following:</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>ARH 2050  History of Western Art I</td>
</tr>
<tr>
<td>Required</td>
<td>ARH 2051  History of Western Art II</td>
</tr>
<tr>
<td>Select a course from group B.1</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP)

- **Art History and Criticism:**
  - ARH 2050  History of Western Art I (GEP) 3 hrs
  - ARH 2051  History of Western Art II (GEP) 3 hrs
- **Mathematics:**
  - MAC 2311  Calculus with Analytic Geometry I (GEP) 4 hrs
- **Science:**
  - Any CST prefix course 3 hrs

#### 3. Core Requirements: Basic Level

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>A:</strong> Art and Design</td>
<td>(18 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td>ARH 2050  History of Western Art I</td>
</tr>
<tr>
<td>Required</td>
<td>ARH 2051  History of Western Art II</td>
</tr>
<tr>
<td>Required</td>
<td>COP 2500C  Concepts in Computer Science</td>
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<tr>
<td>Required</td>
<td>DIG 2000  Introduction to Digital Media</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 2030C  Digital Video Fundamentals</td>
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<tr>
<td>Required</td>
<td>DIG 2100C  Digital Imaging Fundamentals</td>
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<tr>
<td>Required</td>
<td>GRA 3112C  Intermediate Graphic Design II</td>
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<tr>
<td>Required</td>
<td>GRA 3202C  Type &amp; Design I</td>
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<td>Required</td>
<td>DIG 4434C  Narrative Techniques in the Moving Image</td>
</tr>
<tr>
<td>Required</td>
<td>GRA 4196C  Advanced Graphic Design</td>
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<tr>
<td>Required</td>
<td>GRA 4197C  Special Problems in Graphic Design</td>
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#### 4. Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>A:</strong> Art and Design</td>
<td>(12 hrs)</td>
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<tr>
<td>Required</td>
<td>ARH 2050  History of Western Art I</td>
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<tr>
<td>Required</td>
<td>ARH 2051  History of Western Art II</td>
</tr>
<tr>
<td>Required</td>
<td>COP 2500C  Concepts in Computer Science</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 2000  Introduction to Digital Media</td>
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<tr>
<td>Required</td>
<td>DIG 2030C  Digital Video Fundamentals</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 2100C  Digital Imaging Fundamentals</td>
</tr>
<tr>
<td>Required</td>
<td>GRA 3112C  Intermediate Graphic Design II</td>
</tr>
<tr>
<td>Required</td>
<td>GRA 3202C  Type &amp; Design I</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 4434C  Narrative Techniques in the Moving Image</td>
</tr>
<tr>
<td>Required</td>
<td>GRA 4196C  Advanced Graphic Design</td>
</tr>
<tr>
<td>Required</td>
<td>GRA 4197C  Special Problems in Graphic Design</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>A:</strong> Art and Design</td>
<td>(39 hrs)</td>
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<tr>
<td>Required</td>
<td>ARH 2050  History of Western Art I</td>
</tr>
<tr>
<td>Required</td>
<td>ARH 2051  History of Western Art II</td>
</tr>
<tr>
<td>Required</td>
<td>COP 2500C  Concepts in Computer Science</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 2000  Introduction to Digital Media</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 2030C  Digital Video Fundamentals</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 2100C  Digital Imaging Fundamentals</td>
</tr>
<tr>
<td>Required</td>
<td>GRA 3112C  Intermediate Graphic Design II</td>
</tr>
<tr>
<td>Required</td>
<td>GRA 3202C  Type &amp; Design I</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 4434C  Narrative Techniques in the Moving Image</td>
</tr>
<tr>
<td>Required</td>
<td>GRA 4196C  Advanced Graphic Design</td>
</tr>
<tr>
<td>Required</td>
<td>GRA 4197C  Special Problems in Graphic Design</td>
</tr>
</tbody>
</table>

#### Specializations

- **Graphic Design**
  - Graphic Design Basic Concentration - 18 hours
  - GRA 3112C  Intermediate Graphic Design I 3 hrs
  - GRA 3202C  Type & Design 3 hrs
  - GRA 3803C  Intermediate Computer Graphic Design 3 hrs
  - GRA 4196C  Advanced Graphic Design 3 hrs
  - GRA 4197C  Special Problems in Graphic Design 3 hrs

- **Graphic Design - Restricted Electives** - 21 hours
  - Complete 21 hours of credits from the following areas: 9 hours must be from 3000 or 4000 level art history courses, 12 hours from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level course approved by the School.

#### Character Animation

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A:</strong> Character Animation Core - 15 hours</td>
<td>39 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>ART 3643C  Digital Effects &amp; Compositing</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 4325C  Look Modeling Workshop</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 4326C  Geometrical Modeling Workshop</td>
</tr>
<tr>
<td>Required</td>
<td>FIL 3720C  Introduction to Animation</td>
</tr>
<tr>
<td>Required</td>
<td>FIL 3734C  Intermediate Animation</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 3355C  Artificial Environments and Effects</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 3433C  Visual Storytelling and Visual Development</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 4283C  New Imagery in Motion Workshop</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 4359C  Artificial Environments and Effects Workshop</td>
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<tr>
<td>Required</td>
<td>DIG 4394C  Motion Graphics: Advanced Compositing</td>
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<tr>
<td>Required</td>
<td>DIG 4434C  Narrative Techniques in the Moving Image</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 4451C  Visual Storytelling and Visual Development Workshop</td>
</tr>
<tr>
<td>Required</td>
<td>DIG 4486C  Visual Language of Moving Image</td>
</tr>
</tbody>
</table>
**UCF Degree Programs**

**Experimental Animation**
- Experimental Animation Core - 15 hours
  - ART 3643C Digital Effects & Compositing 3 hrs
  - DIG 4325C Look Modeling Workshop 3 hrs
  - DIG 4326C Geometrical Modeling Workshop 3 hrs
  - FIL 3720C Introduction to Animation 3 hrs
  - FIL 3734C Intermediate Animation 3 hrs
- Experimental Animation Restricted Electives - 6 hours
  - FIL 4735C Advanced Animation 3 hrs
  - FIL 4750C Animation Workshop 3 hrs
- Experimental Animation Restricted Electives - 18 hours
  Complete 18 hours of credits from the following areas: 18 hrs
  hours required outside the specialization area from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level courses approved by the School

6. **Capstone Requirements**
- None

7. **Foreign Language Requirements**

8. **Electives**
- Unrestricted electives - credit hours varies with specialization
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

9. **Additional Requirements**
- None

10. **Required Minors**
- None

11. **Departmental Exit Requirements**
- None

12. **University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of summer credit (if applicable)

**Total Semester Hours Required**

124

**Honors In Major**
- None

**Related Programs**
- Art
- Computer Science
- English - Technical Communication
- Film
- Music

**Certificates**
- None

**Related Minors**
- Art - Studio
- Computer Science
- English - Technical Communication
- Film - Cinema Studies

**Information Technology**
- Music

**Advising Notes**
- None

**Transfer Notes**
- Grades less than a "C" (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- None

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

**Art B.F.A. - Studio Art Track (B.F.A.)**

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**

**http://www.svad.ucf.edu**

**E-mail: svad@mail.ucf.edu**

**Jack Lew**

**Phone: 407-823-2676**

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence.

**Admission Requirements**
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- "D" grades from other institutions do not meet departmental requirements.
- Note: Individual portfolio reviews are not possible due to the large number of applicants.

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students who change degree programs and select this major must adopt the most current catalog.
1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 6 hrs
- Required ARH 2050 History of Western Art I and
- Required ARH 2051 History of Western Art II 3 hrs

Select a course from group B.1

C: Mathematical Foundations (6 hrs)

Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Select 1: 3 hrs
- Prefer MGF 1106 Finite Mathematics or
- 1 MGF 1107 Explorations in Mathematics 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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

ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
1 ART 2203C Design Fundamentals-Three Dimensional 3 hrs
1 ART 2300C Drawing Fundamentals I 3 hrs
1 ART 2301C Drawing Fundamentals II 3 hrs
1 GRA 2101C Introduction to Computer Art 3 hrs

Any Art prefix, studio, or media courses at the 2000-4000 level
See "Common Prerequisites" in the Transfer and Transitions Services section for more information
1 *See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)

ARH 2500 History of Non-Western Art 3 hrs
ART 2823 Art as Interface 3 hrs
ART 3950 Portfolio Review 0 hrs
GRA 2101C Introduction to Computer Art CPP

4. Core Requirements: Advanced Level (0 hrs)

5. Restricted Electives (42 hrs)

a. Specialization: 18 hrs

Select six upper division courses from one area: (classes with an asterisk may be repeated for credit)

Book Arts
- ART 3170C Book Binding or 0 hr
- ART 3171C Materials for Artist Books or 3 hrs
- ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs
- ART 3176C The Illuminated Book or 3 hrs
- ART 3737C Narrative Sculpture or 3 hrs
- ART 4172C Book Repair and Restoration or 3 hrs
- ART 4173C The Artist Book or 3 hrs
- ART 4174C The Printed Book or 3 hrs
- ART 4177C Commercial Book Design and Publishing or 3 hrs
- ART 4644C Books Without Books 3 hrs

Ceramics
- ART 3761C Intermediate Ceramics or 0 hr
- ART 3764C Ceramic Handbuilding I or 3 hrs
1 ART 4783C Advanced Ceramics 3 hrs

Drawing
- ART 3332C Intermediate Drawing or 0 hr
1 ART 4320C Advanced Drawing 3 hrs

Drawing/Printmaking Combination
- ART 3332C Intermediate Drawing or 3 hrs
- ART 3433C Screenprinting or 3 hrs
1 ART 4320C Advanced Drawing or 3 hrs
1 ART 4402C Advanced Printmaking 3 hrs

Drawing/Illustration Combination
- ART 3332C Intermediate Drawing or 3 hrs
1 ART 4320C Advanced Drawing or 3 hrs
- GRA 2151C Illustration or 3 hrs
1 GRA 4154C Advanced Illustration 3 hrs

Painting
- ART 3504C Intermediate Painting or 0 hr
1 ART 4505C Advanced Painting 3 hrs

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

Sculpture
- 1 ART 4710C Advanced Sculpture 0 hr

1 May be repeated for credit.

b. Electives in Art: 15 hrs

Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization.

- Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

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

6. Capstone Requirements

- 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 require-

8. Electives

Select primarily from upper level courses, with school advisor’s approval. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements (3 hrs)

- ART 4935 BFA Exhibit/Seminar required.
- (BFA Exhibit Seminar is only offered during Spring Semester)
- Achieve at least a “B” GPA (3.0) overall in courses within the major.)
UCF Degree Programs

- Each senior is required to submit a portfolio of representative work in the student’s specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.
- Computer Competency met by STA 1060C or GRA 2101C.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art B.A. - History Track
- Art B.A. - Visual Arts and Emerging Media Management Track
- Art B.F.A. - Emerging Media Track
- Art Education

Certificates
- None

Related Minors
- Community Arts - PAVE

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - GRA 2101C*. A student may substitute any three hour digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art Education (B.S.)
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/arted
Dr. Thomas Brewer, ED 122U, tbrewer@mail.ucf.edu, 407-823-3714
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of "C-“ (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are strongly advised to take the preferred courses.

A: Communication Foundations (9 hrs)
  Required ENC 1101 Composition I 3 hrs
  Required ENC 1102 Composition II 3 hrs
  Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
  Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
  Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
  1 Required ARH 2050 History of Western Art I 3 hrs
  1 A grade of “C-“ (1.75) or better is required

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

Select 1: (3 hrs)
  Prefer STA 1060C Basic Statistics Using Microsoft Excel or STA 2043C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
  Prefer PSY 2012 General Psychology 3 hrs

Select 1: (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 (30 hrs)

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>GEP</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
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<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2400C</td>
<td>Beginning Printmaking</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2500C</td>
<td>Beginning Painting</td>
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</tr>
<tr>
<td>ART 2754C</td>
<td>Beginning Ceramics</td>
<td>3 hrs</td>
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<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 2401C</td>
<td>Beginning Photography</td>
<td>3 hrs</td>
</tr>
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4. Core Requirements: Advanced Level (30 hrs)

<table>
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<tr>
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<tr>
<td>EDF 4407</td>
<td>Learning Theory and Assessment</td>
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<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>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>
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<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
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</table>

Internship I 3 hrs
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required art courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester (if CLAS was used for admission) and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4407 Learning Theory and Assessment, EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools, and RED 4043 Content Reading in Kindergarten through Grade 12.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

Specialization Requirements 12 hrs
- ARE 4250 Art for Exceptionalities 3 hrs
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 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-5.066.

7. Foreign Language Requirements

Admissions
- State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 126

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- The program of study will be affected by course offerings and availability. Please see the Art Education Web site at http://education.ucf.edu/arted/ for the advising policy.

Freshman Year - Fall 15 hrs
- ARH 2050 History of Western Art I 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- EDF 2065 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs

ARE 4941 Internship 1 hr
## UCF Degree Programs

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<th>Freshman Year - Summer</th>
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<tr>
<td>EME 2040</td>
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<tr>
<td>SPC 1608</td>
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<table>
<thead>
<tr>
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<th>12 hrs</th>
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<tbody>
<tr>
<td>AMH 2010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C</td>
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<tr>
<td>BSC 1005</td>
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<table>
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<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>STA 1060C</td>
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<tr>
<td>STA 2014C</td>
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<table>
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<tbody>
<tr>
<td>AMH 2020</td>
<td>3 hrs</td>
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<tr>
<td>ART 2300C</td>
<td>3 hrs</td>
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<td>ART 2400C</td>
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<tr>
<td>POS 2041</td>
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<tr>
<td>PSC 1121</td>
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<table>
<thead>
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<th>Sophomore Year - Summer</th>
<th>6 hrs</th>
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</thead>
<tbody>
<tr>
<td>GRA 2101C</td>
<td>3 hrs</td>
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<tr>
<td>PGY 2401C</td>
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<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ARE 4356</td>
<td>3 hrs</td>
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<tr>
<td>ART 2301C</td>
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<tr>
<td>EDG 4467</td>
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<tr>
<td>PSL 1121</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 4250</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARE 4352</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2500C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Summer</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2754C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 3940</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARE 4351</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective (Any ART/ARH/ARE/PGY 3/4XXX w/ Advisor approval)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 4941</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

## Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.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: 208
http://www.cohpa.ucf.edu/health.pro/athletic_training.shtml
E-mail: atinfo@mail.ucf.edu
Kristen C. Schellhase
Phone: 407-823-2747

### Admission Requirements
- Students may only begin the athletic training program track in the Summer B semester and must have:
  - Acceptance to the university as an undergraduate student in Athletic Training Pending. (Acceptance into the University does not constitute admission into the Program in Athletic Training.)
  - A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur.
  - A minimum of 2.75 overall grade point average and a minimum grade of “C” (2.0) in program prerequisites.
  - Completion of an AA degree from a Florida Community College or completion of UCF’s General Education Program.
  - This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
  - Consent of Program Director.
  - A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

### Technical Standards Requirement
- The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program’s technical standards does not guarantee a student’s eligibility for the BOC examination.
Candidates for selection to the Program in Athletic Training will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program’s technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internship deemed essential to graduation. Each candidate must provide a copy of a recent physical examination by a physician.

Candidates for selection to the Program in Athletic Training must demonstrate:

- The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm;
- Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients;
- The ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice;
- The ability to record the physical examination results and a treatment plan clearly and accurately;
- The ability to maintain composure and continue to function well during periods of high stress;
- The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;
- Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations;
- Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

**Degree Requirements**

- Students who are pending Athletic Training Track and are admitted to the major must adopt the most current catalog
- Students should complete the General Education Program, Admission Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Program in Athletic Training, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflicts
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours

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

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>Suggested SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP) (15 hrs)

- The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2053C College Physics I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level (0 hrs)

| 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.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>APK 4315 Sports Medicine Field Application</td>
<td>3 hrs</td>
</tr>
<tr>
<td>APK 4323S Biomechanics of Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3147 Introduction to Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3510C Physiologic &amp; Metabolic Basis of Human Movement &amp; Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3620 Principles of Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3623C Recognition and Evaluation of Athletic Injuries I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3630C Clinical Skills for Athletic Trainers I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PET 3649C Clinical Skills for Athletic Training II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PET 3670L Practicum in Athletic Training I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 3671L Practicum in Athletic Training II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 4315C Biomechanics of Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4603C Introduction to Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4606 Applied Fitness in Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4624C Recognition and Evaluation of Athletic Injuries II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4630C Therapeutic Exercise in Athletic Training</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 4632C Therapeutic Modalities in Athletic Training</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 4636C Advanced Rehabilitation in Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4660C Organization and Administration of Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4672L Practicum in Athletic Training III</td>
<td>4 hrs</td>
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<tr>
<td>PET 4673L Practicum in Athletic Training IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 4674 Athletic Training Seminar</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (0 hrs)

| None |

### 6. Capstone Requirements

| None |

### 7. Foreign Language Requirements

#### Admissions

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

#### Graduation

| None |
UCF Degree Programs

8. Electives
- Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sports & Fitness.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.75 and a minimum grade of “C” (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) examination. The examination requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Program in Athletic Training.
- Two years of successful clinical rotation under the direct supervision of an Approved Clinical Instructor (ACI).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Business Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track
- Health Services Administration
- Public Administration
- Sport and Fitness

Certificates
- None

Related Minors
- Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.
- Aging Studies
- Biology
- Business
- Coaching
- Education
- Fitness Training
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- Public Administration

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086)
- Biology I with Lab (BSC 1010 and BSC 1010L)
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall
- 15 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105 College Algebra 3 hrs
- PSY 2012 General Psychology 3 hrs

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

Sophomore Year - Fall
- 14 hrs
- PHY 2053C College Physics I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- ZOO 3733C Human Anatomy 4 hrs

Select 1:
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- WOH 2012 World Civilization I 3 hrs

Sophomore Year - Spring
- 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
- PHI 2120 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions or 3 hrs
- THE 2000 Theatre Survey 3 hrs

Select 1:
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Sophomore Year - Summer
- 10 hrs
- 1 Foreign Language 4 hrs
- PET 3620 Principles of Athletic Training 3 hrs
- PET 4603C Introduction to Athletic Training 3 hrs

1 If not satisfied in high school

Junior Year - Fall
- 12 hrs
- 1 Free Elective 3 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- PET 3623C Recognition and Evaluation of Athletic Injuries I 3 hrs
- PET 3633C Clinical Skills for Athletic Trainers I 2 hrs
- PET 3670L Practicum in Athletic Training I 4 hrs

1 As needed to meet 120 hrs of university exit requirements.

Junior Year - Spring
- 12 hrs
- 1 Free Elective 3 hrs
- PET 3649C Clinical Skills for Athletic Training II 2 hrs
- PET 3671L Practicum in Athletic Training II 4 hrs
- PET 4315C Biomechanics of Sport 3 hrs
- PET 4624C Recognition and Evaluation of Athletic Injuries II 3 hrs

1 As needed to meet 120 hrs of university exit requirements.

Junior Year - Summer
- 8 hrs
- PET 4630C Therapeutic Exercise in Athletic Training 4 hrs
- PET 4632C Therapeutic Modalities in Athletic Training 4 hrs
Senior Year - Fall
PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance
3 hrs
PET 4636C Advanced Rehabilitation in Athletic Training
3 hrs
PET 4680C Organization and Administration of Athletic Training
3 hrs
PET 4672L Practicum in Athletic Training III
4 hrs
Senior Year - Spring
1 Free Elective
3 hrs
APK 4315 Sports Medicine Field Application
3 hrs
PET 4606 Applied Fitness in Sport
3 hrs
PET 4673L Practicum in Athletic Training IV
4 hrs
PET 4674 Athletic Training Seminar
1 hr

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/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $7.50 per term
Full-Time Student: $15.00 per term

Biology (B.S.)
College of Sciences
Department of Biology, BL Room: 301
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu
Mr. Frank Logiudice
Phone: 407-823-2141

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
No credit by exam (TSD, Military credit) may be used for the major.
Co-op or internship credit cannot be used in this major
Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 4422L</td>
<td>Biology Laboratory Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td>BSC 4937</td>
<td>Instructional Experiences in Undergraduate Biology</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

Upon reaching junior standing, Biology majors are expected to have completed the following courses and associate chemistry laboratories. These classes are prerequisites for advanced science classes and students entering the major without these classes will be unable to register for most of the advanced courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 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>PHY 2053C</td>
<td>College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>College Physics II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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
   - Required ENC 1102 Composition II
   - Prefer SPC 1603 Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Mathematics:
   - Note: Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/
   - Required CHM 2045C Chemistry Fundamentals I
   - Suggested MAC 2233 Concepts of Calculus or
   - Suggested MAC 2253 Applied Calculus I or
   - Prefer MAC 2311 Calculus with Analytic Geometry I

Statistics:
   - Required STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
   - Required BSC 2010C Biology I
   - Suggested MAC 2233 Concepts of Calculus or
   - Suggested MAC 2253 Applied Calculus I or
   - Prefer MAC 2311 Calculus with Analytic Geometry I

Select the sequence identified by the Chemistry Placement exam:
   - Note: Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/

   - Required CHM 2045C Chemistry Fundamentals I
   - or - Students with little chemistry background should take this year long equivalent instead.
     - Required CHM 2040C Chemistry Fundamentals IA and
     - Required CHM 2041C Chemistry Fundamentals IB

2. Common Program Prerequisites (CPP) (16 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - See Transfer Notes for possible substitutes for the following courses.

   BSC 2010C Biology I  GEP
   BSC 2011C Biology II  GEP
   CHM 2045C Chemistry Fundamentals I  GEP
   CHM 2046 Chemistry Fundamentals II  GEP
   CHM 2046L Chemistry Fundamentals Laboratory  GEP
   STA 2023 Statistical Methods I  GEP

Math requirement: Select one course 3 hrs
   - MAC 2233 Concepts of Calculus or
   - MAC 2253 Applied Calculus I or
   - MAC 2311 Calculus with Analytic Geometry I

NOTE: These courses are considered to be equivalents:
   - CHM 2045C Chemistry Fundamentals I  GEP
   - or - Students with little chemistry background should take this year long equivalent instead.
     - CHM 2040C Chemistry Fundamentals IA and
     - CHM 2041C Chemistry Fundamentals IB

Complete one entire physics sequence:
   - PHY 2048C Physics for Engineers & Scientists I and
   - PHY 2049C Physics for Engineers and Scientists II
   - or
   - PHY 2053C College Physics I and
   - PHY 2054C College Physics II

UCF Degree Programs

UNIVERSITY OF CENTRAL FLORIDA

139 Undergraduate Catalog 2010-2011
3. Core Requirements: Basic Level (8 hrs)
- Students planning on entering professional or graduate school should take Biochemistry as well as additional Calculus courses. Students are urged to consult their departmental advisor.
  
  STA 2023 Statistical Methods I GEP/CPP

**Complete one entire chemistry sequence:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>or</td>
<td>CHM 2205 Introduction to Organic and Biochemistry</td>
<td>5 hrs</td>
</tr>
<tr>
<td>or</td>
<td>CHM 3120 Analytical Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level (13 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3023</td>
<td>Molecular Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044</td>
<td>Principles of Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4683</td>
<td>Evolutionary Biology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (22 hrs)

- Courses must be selected from the groupings listed below.
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department. Courses offered by the Department of Biology have been identified. Additional courses may be used to meet a group requirement with approval of the undergraduate program coordinator via petition.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective. Courses at the 5000 level are only open to seniors and beginning graduate students.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 3018</td>
<td>Culinary Botany Across the Cultures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3152</td>
<td>Local Flora</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3802</td>
<td>Ethnobotany</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 4156C</td>
<td>Florida Wildflowers or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BOT 4686C</td>
<td>Conservation and Management of Native Plants or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 4312C</td>
<td>Marine Biology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 4330</td>
<td>Invasion Biology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 5258L</td>
<td>Tropical Biology Research and Conservation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 5824</td>
<td>Biogeography or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PAZ 4234</td>
<td>Zoo and Aquarium Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044L</td>
<td>Principles of Ecology Laboratory or</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3304C</td>
<td>River Ecology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3355C</td>
<td>Tropical Marine Biology or</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3442</td>
<td>Florida Aquatic Ecology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5326C</td>
<td>Ecosystems of Florida or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PCB 5435C</td>
<td>Marine Ecology of Florida or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 5485</td>
<td>Models in Ecology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 4513</td>
<td>Animal Behavior or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

### Environmental (3 hrs)

- Complete a minimum of one lecture course from this group.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 3018</td>
<td>Culinary Botany Across the Cultures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3152</td>
<td>Local Flora</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3802</td>
<td>Ethnobotany</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 4156C</td>
<td>Florida Wildflowers or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BOT 4686C</td>
<td>Conservation and Management of Native Plants or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 4312C</td>
<td>Marine Biology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 4330</td>
<td>Invasion Biology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 5258L</td>
<td>Tropical Biology Research and Conservation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 5824</td>
<td>Biogeography or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PAZ 4234</td>
<td>Zoo and Aquarium Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044L</td>
<td>Principles of Ecology Laboratory or</td>
<td>1 hr</td>
</tr>
<tr>
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- Complete a minimum of one lecture course from this group.

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<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 4454C</td>
<td>General Mycology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BOT 4731C</td>
<td>Plant Taxonomy or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BOT 5485C</td>
<td>Terrestrial Cryptogams or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENY 4004C</td>
<td>General Entomology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENY 5006C</td>
<td>Entomology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4205C</td>
<td>Biology and Ecology of Metazoon Invertebrates or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4480</td>
<td>Mammalogy or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 5456C</td>
<td>Ichthyology or</td>
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</tr>
<tr>
<td>ZOO 5463C</td>
<td>Herpetology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 5475L</td>
<td>Field Ornithology or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

8. Electives

- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None
11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Environmental Engineering
- Molecular Biology and Microbiology
- Science Education - Biology

Certificates
- None

Related Minors
- Biology
- Environmental Studies
- Molecular Biology and Microbiology

Advising Notes
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010 and BOT X010 with labs.
  - CHM 2045C: may use CHM X040 plus CHM X041.
  - Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.

- Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Math Course</td>
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</table>

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>Free Elective</td>
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<tr>
<td>BSC 2011C Biology II</td>
<td>4 hrs</td>
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<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>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210 Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2211 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3044 Principles of Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>16 hrs</th>
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</thead>
<tbody>
<tr>
<td>GEP</td>
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<tr>
<td>Restricted Elective</td>
<td>5 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 2211 Organic Chemistry II</td>
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<tr>
<td>PCB 3063 Genetics</td>
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<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
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</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>5 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3923 Molecular Cell Biology</td>
<td>3 hrs</td>
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<tr>
<td>PHY 2053C College Physics I</td>
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</table>

<table>
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<th>Junior Year - Spring</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
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</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
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<tr>
<td>PHY 2054C College Physics II</td>
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</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>16 hrs</th>
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</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<td>GEP</td>
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<tr>
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<th>Senior Year - Spring</th>
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<tbody>
<tr>
<td>GEP</td>
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<tr>
<td>Restricted Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

1 May be taken in an earlier term if space permits.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/aic/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
E-mail: biology@ucf.edu

Mr. Frank Logidice
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.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ No credit by exam (TSD, Military credit) may be used for the major.
■ Co-op or internship credit cannot be used in this major.
■ Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
■ Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
■ Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
■ No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs
■ Upon reaching junior standing, Biology majors are expected to have completed the following courses. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - PHY 2053C College Physics I 4 hrs
  - PHY 2054C College Physics II 4 hrs

1. UCF General Education Program (GEP) (39 hrs)
■ Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Mathematics: 4 hrs
■ Note: Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

Statistics: 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs

Select the sequence identified by the Chemistry Placement exam;
■ Note: Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- or - Students with little chemistry background should take this year long equivalent instead.
  - Required CHM 2040C Chemistry Fundamentals IA and GEP 3 hrs
  - Required CHM 2041C Chemistry Fundamentals IB 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
■ See Transfer Notes for possible substitutes for the courses listed below.
- Required BSC 2010C Biology I GEP
- Required BSC 2011C Biology II 4 hrs
- Required CHM 2045C Chemistry Fundamentals I GEP
- Required CHM 2046 Chemistry Fundamentals II 3 hrs
- Required CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Required MAC 2311 Calculus with Analytic Geometry I GEP
- Required STA 2023 Statistical Methods I GEP

Complete one entire physics sequence:
- Required PHY 2053C College Physics I and GEP 4 hrs
- Required PHY 2054C College Physics II 4 hrs
- or
- Required PHY 2048C Physics for Engineers & Scientists I and GEP 4 hrs
- Required PHY 2049C Physics for Engineers and Scientists II 4 hrs

NOTE: These courses are considered to be equivalents:
- Required CHM 2045C Chemistry Fundamentals I GEP
- or - Students with little chemistry background should take this year long equivalent instead.
  - Required CHM 2040C Chemistry Fundamentals IA and GEP 3 hrs
  - Required CHM 2041C Chemistry Fundamentals IB GEP

3. Core Requirements: Basic Level (8 hrs)
- Required CHM 2210 Organic Chemistry I 3 hrs
- Required CHM 2211 Organic Chemistry II 3 hrs
- Required CHM 2211L Organic Laboratory Techniques I 2 hrs
- Required STA 2023 Statistical Methods I GEP/CPP

4. Core Requirements: Advanced Level (13 hrs)
- Required PCB 3023 Molecular Cell Biology 3 hrs
- Required PCB 3044 Principles of Ecology 3 hrs
- Required PCB 3053 Genetics 3 hrs
- Required PCB 4693 Evolutionary Biology 4 hrs

5. Restricted Electives (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be most appropriate for many professional schools.
■ Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
■ At least three credit hours from each group must be completed.
■ At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
■ Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
■ Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.
Summer must take the exam in the Spring.

Fall and Spring semesters. Students who plan to graduate in the biology during their last semester. The exam will be given in the class and research information on the World Wide Web.

- **Upper Division Restricted Electives.**
- **Common Program Prerequisites, the Biology Core and the**
- **with your departmental advisor. May be outside of the depart-**
- **cy exam) prior to graduation.**
- **year of one foreign language in college (or equivalent proficien-**
- **1) check and maintain their campus electronic mail**
- **3 hrs**
- **1 Botany requirement. Offered in Biology department.**
- **Environmental**
  - **Complete a minimum of one lecture course**
  - **3 hrs**
  - **1 ZOO 4205C Biology and Ecology of Metazoan**
  - **3 hrs**
  - **2 ZOO 4753C Vertebrate Histology**
  - **4 hrs**

- **Systematic**
  - **Complete a minimum of one lecture course**
  - **3 hrs**
  - **1 ZOO 3713C Comparative Vertebrate Anatomy or**
  - **5 hrs**
  - **1 ZOO 4603C Embryology/Development or**
  - **5 hrs**

- **1 Fulfills Zoology requirement. Offered in Biology department.**
- **2**

**Advising Notes**
- **Students are urged to contact their departmental advisor**
- **It is the student’s responsibility to ensure they have satisfied**
- **Students are strongly encouraged to work with the Office of**
- **An analysis of the success and failure of students on recent**
- **MCAT examinations has led the department to suggest that a**
- **The following substitutions are acceptable for common pro-**
- **The following substitutions are acceptable for common pro-**
- **Biology majors are discouraged from taking courses as a**

**12. University Minimum Exit Requirements**
- **A 2.0 UCF GPA**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 39 hours of course work must be completed in**
- **A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.**
- **Complete the General Education Program, the Gordon**
- **Rule, the CLAS and nine hours of Summer credit (if applicable)**

**Total Semester Hours Required**
- **120**

**Honors In Major**
- **None**

**Related Programs**
- **Biology**
- **Chemistry**
- **Molecular Biology and Microbiology**

**Certificates**
- **None**

**Related Minors**
- **Biology**
- **Molecular Biology and Microbiology**

**Advising Notes**
- **Students are urged to contact their departmental advisor**
- **It is the student’s responsibility to ensure they have satisfied**
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**Acceptable Substitutes for Transfer Courses**
- **The following substitutions are acceptable for common pro-**
- **Biology majors are discouraged from taking courses as a**

**Transfer Notes**
- **Lower Division courses taken at community colleges do not**
- **Courses transferred from private and out-of-state schools**
- **must be evaluated by the undergraduate program coordinator**
- **The student must provide all supporting information.**

**University of Central Florida**

**UCF Degree Programs**

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**Form/Function**

**Complete a minimum of one lecture course from this group.**
- **BCH 4053 Biochemistry I or**
- **3 hrs**
- **BCH 4054 Biochemistry II or**
- **3 hrs**
- **1 BSC 4454 Research in Animal Physiology or**
- **2 hrs**
- **2 PCB 3024L Molecular Cell Biology Laboratory or**
- **2 hrs**
- **2 PCB 3063L Genetics Laboratory or**
- **1 hr**
- **PCB 3233 Immunology or**
- **3 hrs**
- **2 PCB 4514 Genetics II or**
- **3 hrs**
- **1 PCB 4723 Animal Physiology or**
- **4 hrs**
- **2 PCB 5665C Human Genetics or**
- **4 hrs**
- **1 ZOO 3713C Comparative Vertebrate Anatomy or**
- **5 hrs**
- **1 ZOO 4603C Embryology/Development or**
- **5 hrs**
- **ZOO 4753C Vertebrate Histology**
- **4 hrs**

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

**Environmental**

- **Complete a minimum of one lecture course from this group.**
- **3 hrs**
- **1 BOT 3802 Ethnobotany**
- **3 hrs**

1 Fulfills Botany requirement. Offered in Biology department.

**Systematic**

- **Complete a minimum of one lecture course from this group.**
- **3 hrs**
- **MCB 3020C General Microbiology or**
- **5 hrs**
- **1 ZOO 4205C Biology and Ecology of Metazoan**
- **4 hrs**
- **1 ZOO 4310C Vertebrate Evolution & Ecology**
- **4 hrs**

1 Fulfills Zoology requirement. Offered in Biology department.

**Advising Notes**
- **Students are urged to contact their departmental advisor**
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**Undergraduate Catalog 2010-2011**

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**UNIVERSITY OF CENTRAL FLORIDA**

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UCF Degree Programs

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- Math prerequisite/Restricted Elective 4 hrs

Freshman Year - Spring 15 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- Math prerequisite/Restricted Elective 4 hrs

Sophomore Year - Fall 16 hrs
- GEP 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- PCB 3044 Principles of Ecology 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring 16 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PCB 3063 Genetics 3 hrs

Junior Year - Fall 16 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Junior Year - Spring 14 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 4 hrs
- GEP 3 hrs
- PHY 2054C 3 hrs
- Restricted Elective 3 hrs
- Free Elective 2 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations
   - Required STA 2023 Statistical Methods I 3 hrs
   - Select 1: 4 hrs
     - Required MAC 2253 Applied Calculus I or 3 hrs
     - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

   D: Social Foundations (6 hrs)
   E: Science Foundations
   - Required BSC 2010C Biology I 4 hrs
   - Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - BSC 2010C Biology I 4 hrs
   - BSC 2011C Biology II 4 hrs
   - CHM 2045C Chemistry Fundamentals I 4 hrs
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2210 Organic Chemistry I 3 hrs
   - CHM 2211 Organic Chemistry II 3 hrs
   - MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - PHY 2053C College Physics I 4 hrs
   - PHY 2054C College Physics II 4 hrs
   - STA 2023 Statistical Methods I 4 hrs

3. Core Requirements: Basic Level (0 hrs)
   - None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

Biotechnology (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E Kolattukudy, Chair
Dr. Henry Daniell, Program Director, daniell@mail.ucf.edu
Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a Departmental advisor
- Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Grades below “C-”(1.75) in life science courses will not be accepted

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations
   - Required STA 2023 Statistical Methods I 3 hrs
   - Select 1: 4 hrs
     - Required MAC 2253 Applied Calculus I or 3 hrs
     - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

   D: Social Foundations (6 hrs)
   E: Science Foundations
   - Required BSC 2010C Biology I 4 hrs
   - Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - BSC 2010C Biology I 4 hrs
   - BSC 2011C Biology II 4 hrs
   - CHM 2045C Chemistry Fundamentals I 4 hrs
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2210 Organic Chemistry I 3 hrs
   - CHM 2211 Organic Chemistry II 3 hrs
   - MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - PHY 2053C College Physics I 4 hrs
   - PHY 2054C College Physics II 4 hrs
   - STA 2023 Statistical Methods I 4 hrs

1. See Transfer Notes for possible substitutions.
4. Core Requirements: Advanced Level (52 hrs)

**Life Sciences**
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- PCB 4529 Experimental Molecular Biology 3 hrs

**Chemistry**
- BCH 4053 Biochemistry I 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2211L Organic Laboratory Techniques I 2 hrs

**Physics**
Select one of the following sequences of courses:
- PHY 2053C College Physics I and 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

**Math**
Select 1:
- MAC 2253 Applied Calculus I or 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP

5. Restricted Electives (6 hrs)
- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
- Those students who do not qualify for the MCB 4912, Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honor in Major
- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following with a grade of B or better:
  - 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
- Molecular Biology and Microbiology

Certificates
- None

Related Minors
- Biology
- Chemistry
- Molecular Biology and Microbiology

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition</td>
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<td>Select 1:</td>
<td></td>
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<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

Plan of Study

**Freshman Year - Fall**

- CHM 2045C Chemistry Fundamentals I (4 hrs)
- ENC 1101 Composition I (3 hrs)
- Select 1 (3 hrs): ANT 2000 General Anthropology, PSY 2012 General Psychology, or SYG 2000 Introduction to Sociology

**Freshman Year - Spring**

- BSC 2010C Biology I (4 hrs)
- CHM 2046 Chemistry Fundamentals II (3 hrs)
- CHM 2046L Chemistry Fundamentals Laboratory (1 hr)
- ENC 1102 Composition II (3 hrs)
- SPC 1603 Fundamentals of Technical Presentations (3 hrs)

**Sophomore Year - Fall**

- CHM 2210 Organic Chemistry I (3 hrs)
- MCB 3020C General Microbiology (5 hrs)
- Select 1 (4 hrs): MAC 2253 Applied Calculus I or MAC 2311 Calculus with Analytic Geometry I
- Select 1 (3 hrs): AMH 2010 U.S. History: 1492-1877, EUH 2000 Western Civilization I, or HUM 2210 Humanistic Tradition I
- WOH 2012 World Civilization I (3 hrs)

**Sophomore Year - Spring**

- BSC 3403C Quantitative Biological Methods (4 hrs)
- CHM 2211 Organic Chemistry II (3 hrs)
- CHM 2211L Organic Laboratory Techniques I (2 hrs)
- Select 1 (3 hrs): CGS 1060C Introduction to Computer Science or STA 2023 Statistical Methods I
- Select 1 (3 hrs): AMH 2020 U.S. History: 1877-Present or EUH 2001 Western Civilization II or HUM 2230 Humanistic Tradition II or WOH 2022 World Civilization II

**Junior Year - Fall**

- MCB 4720 Industrial Perspectives Seminar (3 hrs)
- PCB 3522 Molecular Biology I (3 hrs)
- Select 1 (3 hrs): ECO 2013 Principles of Macroeconomics or POS 2041 American National Government
- Select 1 (4 hrs): PHY 2048C Physics for Engineers & Scientists I or PHY 2053C College Physics I

**Junior Year - Spring**

- BCH 4053 Biochemistry I (3 hrs)
- MCB 4312 Molecular Biotechnology (3 hrs)
- MCB 4721C Methods in Biotechnology (4 hrs)
- Restricted Elective (3 hrs)

**Senior Year - Fall**

- BCH 4053 Biochemistry I (3 hrs)
- PCB 3522 Molecular Biology I (3 hrs)
- Select 1 (4 hrs): MCB 4312 Molecular Biotechnology or MCB 4414 Microbial Metabolism or MCB 4721C Methods in Biotechnology or PHY 2049C Physics for Engineers and Scientists II or PHY 2054C College Physics II (4 hrs)

**Senior Year - Spring**

- MCB 4414 Microbial Metabolism (3 hrs)
- PCB 4174 Foundation of Bio-Imaging Science (3 hrs)
- PCB 4529 Experimental Molecular Biology (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:

- Senior Year - Fall
  - BCH 4053 Biochemistry I (3 hrs)
  - MCB 3020C General Microbiology (5 hrs)
  - MCB 4720 Industrial Perspectives Seminar (3 hrs)

- Senior Year - Spring
  - MCB 4414 Microbial Metabolism (3 hrs)
  - MCB 4721C Methods in Biotechnology (4 hrs)
  - Elective 3000 level (3 hrs)

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Business

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

**College of Business Administration**

**Department of Management,**

**Business Administration II, Room: 101**

[http://www.bus.ucf.edu](http://www.bus.ucf.edu)

E-mail: cba@bus.ucf.edu

Ms. Selena Forrest (Clemont Advising), 352-536-2174

Ms. Angela Jones (Cocoa Advising), 321-433-7889

Ms. Christine Davis (Daytona Advising), 386-506-4021

Ms. Melba Sanchez (College of Business), 407-823-2184

Phone: 407-823-2164

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF’s undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor.

Not eligible for a double degree or double major with another CBA major.

**Admission Requirements**

- 2.0 GPA and completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of “C” (2.0) or better in each course applied toward the major.

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

- **A: Communication Foundations (9 hrs)**
  - Prefer SPC 1508 Fundamentals of Oral Communication 3 hrs
- **B: Cultural & Historical Foundations (9 hrs)**
- **C: Mathematical Foundations (6 hrs)**
  - Required MAC 1140 Pre-Calculus Algebra 3 hrs
  - Required STA 2023 Statistical Methods I 3 hrs
- **D: Social Foundations (6 hrs)**
  - Select 1:
    - Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
    - Suggested ECO 2023 Principles of Microeconomics 3 hrs
  - Select 1:
    - Suggested ANT 2000 General Anthropology or 3 hrs
    - Suggested PSY 2012 General Psychology or 3 hrs
    - Suggested SYG 2000 Introduction to Sociology 3 hrs

**E: Science Foundations (6 hrs)**

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

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

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

**Select one of the following sequences of courses:**

- Must earn a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.
  - ECO 3401 Quantitative Business Tools I 3 hrs
  - or
  - MAC 2233 Concepts of Calculus and 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

**3. Core Requirements: Basic Level (0 hrs)**

- None

**4. Core Requirements: Advanced Level (32 hrs)**

**First of subsequent semester in the College of Business Administration:**

- **BUL 3130 Legal and Ethical Environment of Business** 4 hrs
- **ECO 3411 Quantitative Business Tools II** 4 hrs
- **FIN 3403C Business Finance** 4 hrs
- **GEB 3021 Cornerstone: Professional Skills for Business** 3 hrs
- **GEB 3031L Cornerstone Lab: Professional Skills for Business** 1 hr
- **GEB 3375 Introduction to International Business** 4 hrs
- **ISM 3011C Essentials of Management Information Systems** 4 hrs
- **MAN 3025 Management of Organizations** 4 hrs
- **MAR 3023 Marketing** 4 hrs

1. Required in the 1st or 2nd semester

**5. Restricted Electives (0 hrs)**

- None

**6. Capstone Requirements (4 hrs)**

- **FIN 3403C Business Finance** 4 hrs
- **This course should be taken in the graduating term and requires the following prerequisites:**
  - **FIN 3403C Business Finance** 4 hrs
  - **GEB 3021 Cornerstone: Professional Skills for Business** 3 hrs
  - **MAN 3025 Management of Organizations** 4 hrs
  - **MAR 3023 Marketing** 4 hrs

**7. Foreign Language Requirements**

**Admissions**

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

**Graduation**

- 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 residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- 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 core 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.
- 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

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Chemistry (B.S.)
College of Sciences
Department of Chemistry, Chemistry, Room: 117
http://chemistry.cos.ucf.edu/
E-mail: chemstaf@mail.ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours,
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2048L Chemistry Fundamentals Laboratory 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. UCF General Education Program (GEP) (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (24 hrs)

- 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
- Check the CLAS and nine hours of Summer credit (if applicable)
- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- Computer competency met by their statistics course or by departmental assessment.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research 4 hrs
  - CHM 4930 Chemistry Seminar I 1 hr
  - CHM 4931 Chemistry Seminar II 1 hr

7. Foreign Language Requirements

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

Graduation
- None

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- Computer Competency met by their statistics course or by departmental assessment.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research 4 hrs
  - CHM 4930 Chemistry Seminar I 1 hr
  - CHM 4931 Chemistry Seminar II 1 hr

10. Required Minors

- None

11. Departmental Exit Requirements

- Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.

- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department. The report must meet or exceed departmental requirements established for the report.

- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A minimum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Chemistry - Biochemistry Track
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Molecular Biology and Microbiology
- Science Education - Chemistry

Certificates
- None

Related Minors
- Chemistry
- Molecular Biology and Microbiology
Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF.
- CHM 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 Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/.
- Before registering for Math, you must take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Chemistry - Biochemistry Track (B.S.)

College of Sciences

Department of Chemistry, CH, Room: 117

http://www.cos.ucf.edu/chemistry

E-mail: chemstaf@mail.ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor before registering.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level course taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a community college except in situations where one semester of a two semester sequence has already been taken at the community college.
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) are typically spread throughout the 120 hours.
- AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- CHM 2045C: Chemistry Fundamentals I
- CHM 2046: Chemistry Fundamentals II
- CHM 2046L: Chemistry Fundamentals Laboratory
- ENC 1101: Composition I
- MAC 2311: Calculus with Analytic Geometry I
- MAC 2312: Calculus with Analytic Geometry II
- CHM 2211: Organic Chemistry I
- MAC 2313: Calculus with Analytic Geometry III
- PHY 2048C: Physics for Engineers and Scientists I
- Statistics
- BSC 2010C: Biology I
- ENC 1102: Composition II
- PHY 2049C: Physics for Engineers and Scientists II
- CHM 2211L: Organic Laboratory Techniques I
- CHM 2210: Organic Chemistry I
- CHM 2211L: Organic Laboratory Techniques II
- PHY 2049C: Physics for Engineers and Scientists II
- CHM 2045C: Chemistry Fundamentals I
- CHM 2046: Chemistry Fundamentals II
- CHM 2046L: Chemistry Fundamentals Laboratory
- ENC 1101: Composition I
- MAC 2311: Calculus with Analytic Geometry I
- MAC 2312: Calculus with Analytic Geometry II
- PHY 2048C: Physics for Engineers and Scientists I
- PHY 2049C: Physics for Engineers and Scientists II
- CHM 2210: Organic Chemistry I
- CHM 2211: Organic Chemistry II
- CHM 2211L: Organic Laboratory Techniques I
- MAC 2311: Calculus with Analytic Geometry I
- MAC 2312: Calculus with Analytic Geometry II
- PHY 2048C: Physics for Engineers and Scientists I
- PHY 2049C: Physics for Engineers and Scientists II
- CHM 4931: Chemistry Seminar II
- CHM 4912: Directed Independent Research
- CHM 4930: Chemistry Seminar I
- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations
- Required ENC 1101: Composition I
- Required ENC 1102: Composition II
- Preferred SPC 1608: Fundamentals of Oral Communication

1. UCF General Education Program (GEP) (39 hrs)

- Senior Year - Spring
  - GEP
  - Restricted Elective
  - Free Elective
  - Free Elective
  - CHM 4912: Directed Independent Research
  - CHM 4930: Chemistry Seminar I
  - CHM 4931: Chemistry Seminar II
  - CHM 4942: Directed Independent Research
- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

- Required ENC 1101: Composition I
- Required ENC 1102: Composition II
- Preferred SPC 1608: Fundamentals of Oral Communication

- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.
### 11. Departmental Exit Requirements

- Students are required to take a nationally normed test in chemistry and biochemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.

- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.

- Before applying to graduate, the CLAS must be completely satisfied.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

### Honors in Major

- None

### Related Programs

- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Molecular Biology and Microbiology

### Certificates

- None
UFC Degree Programs

Related Minors
- Biology
- Chemistry
- Molecular Biology and Microbiology

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall
- BSC 2010C  Biology I  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- ENC 1101  Composition I  3 hrs
- MAC 2311  Calculus with Analytic Geometry I  4 hrs

Freshman Year - Spring
- GEP  3 hrs
- GEP  3 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- ENC 1102  Composition II  3 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs

Sophomore Year - Fall
- CHM 2210  Organic Chemistry I  3 hrs
- MAC 2313  Calculus with Analytic Geometry III  4 hrs
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs
- Statistics  3 hrs

Sophomore Year - Spring
- GEP  3 hrs
- CHM 2211  Organic Chemistry II  3 hrs
- CHM 2211L  Organic Laboratory Techniques I  2 hrs
- CHM 3120  Analytical Chemistry  3 hrs
- CHM 3120L  Analytical Chemistry Laboratory  1 hr
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs

Junior Year - Fall
- GEP  3 hrs
- BCH 4053  Biochemistry I  3 hrs
- CHM 3212L  Organic Laboratory Techniques II  2 hrs
- PCB 3023  Molecular Cell Biology  3 hrs
- PCB 3063  Genetics  3 hrs

Junior Year - Spring
- GEP  3 hrs
- BCH 4054  Biochemistry II  3 hrs
- BCH 4103L  Biochemical Methods  2 hrs
- MCB 3020C  General Microbiology  5 hrs

Senior Year - Fall
- Restricted Elective  3 hrs
- Restricted Elective  4 hrs
- CHM 3410  Physical Chemistry I  4 hrs
- CHM 4220  Organic Chemistry III  3 hrs
- CHM 4912  Directed Independent Research  1 hr
- CHM 4930  Chemistry Seminar I  1 hr

Senior Year - Spring
- GEP  3 hrs
- CHM 3411  Physical Chemistry II  3 hrs
- CHM 3411L  Physical Chemistry Laboratory  2 hrs
- CHM 4610  Inorganic Chemistry  3 hrs
- CHM 4912  Directed Independent Research  3 hrs
- CHM 4931  Chemistry Seminar II  1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Cinema Studies Track in Film
- See Film - Cinema Studies Track

Civil Engineering (B.S.C.E.)
- College of Engineering and Computer Science
- Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
- http://www.cece.ucf.edu

Admission Requirements
- None

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

   A: Communication Foundations (9 hrs)
   - Required ENC 1101  Composition I  3 hrs
   - Required ENC 1102  Composition II  3 hrs
   - Suggested SPC 1803  Fundamentals of Technical Presentations  3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Select two courses from Historical Foundations  6 hrs
   - Select one course from Cultural Foundations  3 hrs

   C: Mathematical Foundations (7 hrs)
   - Required MAC 2311  Calculus with Analytic Geometry I  4 hrs
   - Required STA 2023  Probability and Statistics for Engineers  3 hrs

   D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
   - Prefer ECO 2013  Principles of Macroeconomics or 3 hrs
   - Prefer ECO 2023  Principles of Microeconomics or 3 hrs

   Select one class from Social Foundations  3 hrs
2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select one of the following sequences of courses:

- CHM 2040C Chemistry Fundamentals IA and
  - CHM 2041C Chemistry Fundamentals IB
  - or
  - CHM 2045C Chemistry Fundamentals I
  - or
  - CHS 1440 Fundamentals of Chemistry for Engineers

3. Core Requirements: Basic Level (5 hrs)

- CHM 2045C Chemistry Fundamentals I
- CHM 2046 Chemistry Fundamentals II
- EGN 1006C Introduction to the Engineering Profession
- EGN 1007C Engineering Concepts and Methods

4. Core Requirements: Advanced Level (57 hrs)

- CCE 4003 Introduction to the Construction Industry
- CES 4100C Structural Analysis I and Lab
- CWR 4101C Civil Engineering Materials
- CWR 4201C Engineering Fluid Mechanics
- CWR 4202C Hydrology
- EGN 3310 Engineering Analysis-Statics
- EGN 3311 Engineering Analysis-Dynamics
- EGN 3331 Mechanics of Materials
- EGN 3343 Thermodynamics
- EGN 3373 Principles of Electrical Engineering
- EGN 3613 Engineering Economic Analysis
- ENV 3001 Introduction to Environmental Engineering
- ENV 4561 Environmental Engineering - Process Design
- STA 3032 Probability and Statistics for Engineers
- SUR 2101C Surveying
- TTE 4004 Transportation Engineering

Select 1:

- CES 4605 Steel Structures or
- CES 4702 Reinforced Concrete Structures

5. Restricted Electives (3 hrs)

- Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE Web site and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- Required Senior Design Courses
  - Select 2:
    - CES 4801C Geotechnical Engineering Design or
    - CES 4608C Steel Design or
    - CES 4709C Concrete Design or
    - CGN 4808C Civil Engineering Capstone Design or
    - CWR 4812C Water Resources Design or
    - ENV 4562C Environmental Engineering Systems Design or
    - TTE 4601C Urban Systems Design

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

9. Additional Requirements

- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Construction Engineering
- Environmental Engineering

Certificates

- None

Related Minors

- Engineering Leadership
- Mathematics

Advising Notes

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.
## UCF Degree Programs

### Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- 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.

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<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
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<tr>
<td>Freshman Year - Fall</td>
<td>GEP 14 hrs</td>
<td>EGN 1006C 1 hr</td>
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<tr>
<td></td>
<td>EGN 1007C 1 hr</td>
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<td>TTE 4004 4 hrs</td>
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<td>EGN 3343 3 hrs</td>
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<td>Design Course #2 3 hrs</td>
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### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.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

### 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.coha.ucf.edu/comdis/
E-mail: comdisug@mail.ucf.edu
R. Jane Lieberman
Phone: 407-823-4798

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a “C-” (1.75) in each required course, restricted elective, and B.A./B.S. elective

1. **UCF General Education Program (GEP)** (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)

2. **Select 1:**
   - Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

3. **Select 1:**
   - Suggested MGF 1066 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
   - Suggested PSY 2101 General Psychology 3 hrs

4. **Select 1:**
   - Suggested ECO 203 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics or POS 2041 American National Government 3 hrs

5. **E: Science Foundations** (6 hrs)
   - Prefer BSC 1005 Biological Principles 3 hrs
   - Select one physical science 3 hrs

6. **2. Common Program Prerequisites (CPP)** (0 hrs)
   - None
3. Core Requirements: Basic Level  
- None  

4. Core Requirements: Advanced Level  
- (56 hrs)  

Statistics Requirement  
- 3 hrs  

- Students have two options for completing this requirement:  

Option 1:  
- STA 2023  Statistical Methods I or STA 4163  Statistical Methods II  

Option 2:  
- STA 2014C  Principles of Statistics  
or  
- SPA 4803  Research Methods in Communication Sciences and Disorders and  
- STA 2023  Statistical Methods I  

Core Requirements  
- 53 hrs  

- DEP 2004  Developmental Psychology  
- LIN 3713  Language Science  
- LIN 3716  Language Development  
- LIN 3716L  Language Development Lab  
- SPA 3011  Speech Science I: Production  
- SPA 3011L  Speech Production Lab  
- SPA 3101  Physiological Bases of Speech and Hearing  
- SPA 3104  Neural Bases of Communication  
- SPA 3112  Basic Phonetics  
- SPA 3112L  Basic Phonetics Lab  
- SPA 3123  Speech Science II: Perception  
- SPA 3123L  Speech Perception Lab  
- SPA 3471  Communication Disorders in Literature and Media  
- SPA 4032  Audiology  
- SPA 4321  Audiolinguistic Rehabilitation  
- SPA 4400  Language Disorders Across the Life Span  
- SPA 4476  Speech Disorders Across the Lifespan  
- SPA 4478  Multicultural Aspects of Communication Disorders & Differences  
- SPA 4870C  Capstone Course  

Select 1:  
- 3 hrs  

EAB 5703  Principles of Behavior Modification or  
EDF 3303  Learning Environments and Guidance for Young Children  
EEC 4604  Classroom Management and Guidance of Young Children  
EEX 4601  Introduction to Behavior Management or  
SPA 3472  Guidance of Young Children with Communication Disorders  

5. Restricted Electives  
- (9 hrs)  

- An additional nine credit hours of upper division coursework in Communication Sciences and Disorders selected in consultation with an academic advisor.  

B.A./B.S. Option:  
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.  
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.  

6. Capstone Requirements  
- SPA 4870C  Capstone Course  

7. Foreign Language Requirements  

Admissions  
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.  

Graduation  
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can also be used to fulfill this requirement.  

8. Electives  
- None  

9. Additional Requirements  
- None  

10. Required Minors  
- None  

11. Departmental Exit Requirements  
- Students must achieve a minimum grade of “C-” (1.75) in all required courses, restricted electives, and B.A./B.S. electives in the department.  
- Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.  

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)  

Total Semester Hours Required  
- 120  

Honors in Major  
- Interested students should consult with a faculty advisor.  

Related Programs  
- Early Childhood Education  
- Exceptional Student Education  
- Health Services Administration  
- Physical Therapy  
- Psychology  
- Social Work  

Certificates  
- None  

Related Minors  
- Aging Studies  
- Early Childhood Education  
- Exceptional Education  
- Health Services Administration  
- Interpersonal/Organizational Communication  
- Linguistics  
- Psychology  

Advising Notes  
- Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master’s degree in Communication Sciences and Disorders.  

Transfer Notes  
- “D” (1.0) grades are not accepted  
- Courses taken at community colleges do not substitute for Upper Division courses  
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.  
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement  

Acceptable Substitutes for Transfer Courses  
- None  

Plan of Study  

Freshman Year - Fall  
- 15 hrs  

Free Elective  
- 3 hrs  

BSC 1005L  Biological Principles Laboratory  
ENC 1101  Composition I  
PSY 2012  General Psychology  

UCF Degree Programs
## UCF Degree Programs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oaeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oaeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35.00 per term

### Computer Engineering (B.S.P.E.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246
[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

### Admission Requirements
- None

### Degree Requirements
- None

### 1. UCF General Education Program (GEP) (38 hrs)
- UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
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<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
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<tr>
<td>Required ENC 1102 Composition II</td>
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<tr>
<th>Junior Year - Fall</th>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>LIN 3713 Language Science</td>
</tr>
<tr>
<td>SPA 3011 Speech Science I: Production</td>
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<td>SPA 3011L Speech Production lab</td>
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<td>SPA 3101 Physiological Bases of Speech and Hearing</td>
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<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>Suggested SPC 1603 Fundamentals of Oral Communication</td>
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<table>
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<th>Junior Year - Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
</tr>
<tr>
<td>LIN 3716 Language Development</td>
</tr>
<tr>
<td>SPA 3104 Neural Bases of Communication</td>
</tr>
<tr>
<td>SPA 3123 Speech Science II: Perception</td>
</tr>
<tr>
<td>SPA 3123L Speech Perception Lab</td>
</tr>
<tr>
<td>SPA 4476 Speech Disorders Across the Lifespan</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
</tr>
<tr>
<td>Foreign Language II (B.A.) or Health Sciences Elective (B.S.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 4032 Audiology</td>
</tr>
<tr>
<td>SPA 4400 Language Disorders Across the Life Span</td>
</tr>
<tr>
<td>SPA 4478 Multicultural Aspects of Communication Disorders &amp; Differences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 4903 Research Methods in Communication</td>
</tr>
<tr>
<td>STA 4163 Statistical Methods II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
</tr>
<tr>
<td>Free Elective</td>
</tr>
<tr>
<td>SPA 4321 Audiologic Rehabilitation</td>
</tr>
<tr>
<td>SPA 4501L Undergraduate Clinical Practicum</td>
</tr>
<tr>
<td>SPA 4870C Capstone Course</td>
</tr>
</tbody>
</table>

1 Consult department for list of restricted electives.

### Senior Year - Fall
- Foreign Language II (B.A.) or Health Sciences Elective (B.S.)
- Mailroom
- Special Course

### Senior Year - Spring
- Junior Year - Spring
- Senior Year - Summer

### Sophomore Year - Fall
- Required ENC 1101 Composition I
- Required ENC 1102 Composition II

### Sophomore Year - Spring
- Select 1: SPC 1608 Fundamentals of Oral Communication
- Select 1: ENC 1102 Composition II

### Select 1: SPC 1608 Fundamentals of Oral Communication

### Junior Year - Fall
- Restricted Elective
- LIN 3713 Language Science
- SPA 3011 Speech Science I: Production
- SPA 3011L Speech Production lab
- SPA 3101 Physiological Bases of Speech and Hearing

### Junior Year - Spring
- Restricted Elective
- LIN 3716 Language Development
- SPA 3104 Neural Bases of Communication
- SPA 3123 Speech Science II: Perception
- SPA 3123L Speech Perception Lab
- SPA 4476 Speech Disorders Across the Lifespan

### Junior Year - Summer
- Foreign Language II (B.A.) or Health Sciences Elective (B.S.)

### Senior Year - Fall
- SPA 4032 Audiology
- SPA 4400 Language Disorders Across the Life Span
- SPA 4478 Multicultural Aspects of Communication Disorders & Differences

### Select 1: SPA 4903 Research Methods in Communication
- STA 4163 Statistical Methods II

### Senior Year - Spring
- Restricted Elective
- Free Elective
- SPA 4321 Audiologic Rehabilitation
- SPA 4501L Undergraduate Clinical Practicum
- SPA 4870C Capstone Course

### Sophomore Year - Fall
- Required ENC 1101 Composition I
- Required ENC 1102 Composition II

### Sophomore Year - Spring
- Select 1: SPC 1608 Fundamentals of Oral Communication
- Select 1: ENC 1102 Composition II

### Select 1: SPC 1608 Fundamentals of Oral Communication

### Junior Year - Fall
- Restricted Elective
- LIN 3713 Language Science
- SPA 3011 Speech Science I: Production
- SPA 3011L Speech Production lab
- SPA 3101 Physiological Bases of Speech and Hearing

### Junior Year - Spring
- Restricted Elective
- LIN 3716 Language Development
- SPA 3104 Neural Bases of Communication
- SPA 3123 Speech Science II: Perception
- SPA 3123L Speech Perception Lab
- SPA 4476 Speech Disorders Across the Lifespan

### Junior Year - Summer
- Foreign Language II (B.A.) or Health Sciences Elective (B.S.)
1. A "C" (2.0) or better is required in this course.
2. Preferred

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.

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

4. Core Requirements: Advanced Level (54 hrs)

5. Restricted Electives (9 hrs)
- Technical electives are available in the BScpE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

7. Foreign Language Requirements

8. Electives

9. Additional Requirements
- Computer engineering students must earn at least 32 hours in residence at UCF.

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

128

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Computer Science
- Engineering Leadership
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics
# UCF Degree Programs

## Advising Notes
- Each engineering student should meet regularly with an academic advisor in the major department.
- Students are assumed to have knowledge of a higher level programming language (C preferred).
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

## Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

## Acceptable Substitutes for Transfer Courses
- None

## Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

### Freshman Year - Fall (14 hrs)
- EGN 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- GEP- Historical Foundation 3 hrs
- GEP- Science Foundation 3 hrs

### Freshman Year - Spring (15 hrs)
- COP 3223 Introduction to Programming with C 3 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

### Sophomore Year - Fall (17 hrs)
- COT 3100C Introduction to Discrete Structures 3 hrs
- EGN 3310 Engineering Analysis-Statistics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- GEP- Historical Foundation 3 hrs

### Sophomore Year - Spring (16 hrs)
- EEE 3342C Digital Systems 3 hrs
- EEL 3004 Electrical Networks 3 hrs
- ENC 1102 Composition II 3 hrs
- MAP 2302 Differential Equations 3 hrs

### Select 1:
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- 1CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

1 Preferred

### Sophomore Year - Summer (9 hrs)
- EEL 3123C Networks and Systems 4 hrs
- EEL 3801C Computer Organization 3 hrs
- GEP- Cultural Foundation 3 hrs

### Junior Year - Fall (16 hrs)
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- EEE 3307C Electronics I 4 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

### Select 1:
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

### Senior Year - Fall (16 hrs)
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- EEL 4768C Computer Architecture 4 hrs
- EEL 4914 Senior Design I 3 hrs

### Select 1:
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

### Senior Year - Spring (12 hrs)
- Restricted Elective 3 hrs
- COP 4600 Operating Systems 3 hrs
- EEL 4781 Computer Communications Networks 3 hrs
- EEL 4915L Senior Design II 3 hrs

## Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

## Computer Science (B.S.)

### College of Engineering and Computer Science

### School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

E-mail: undergraduate@eecs.ucf.edu

Dr. Ali Orooji
Ms. Charlene Hilton-Brown
Phone: 407-823-3327

### Admission Requirements
- Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

### Degree Requirements
- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam.
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF.
- 18 of the 24 Residency hours must be at the 4000-5000 level.
- Students must earn at least a 2.0 in each course 2-5

### 1. UCF General Education Program (GEP) (39 hrs)

#### A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

#### Select 1:
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

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

#### C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

---

### Full-Time Student: $90 per term

### Part-Time Student: $45 per term

### Junior Year - Spring (15 hrs)
- COP 3503C Computer Science II 4 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- EEL 4742C Embedded Systems 4 hrs
- GEP- Social Foundation 3 hrs

### Senior Year - Fall (16 hrs)
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- EEL 4768C Computer Architecture 4 hrs
- EEL 4914 Senior Design I 3 hrs

### Senior Year - Spring (12 hrs)
- Restricted Elective 3 hrs
- COP 4600 Operating Systems 3 hrs
- EEL 4781 Computer Communications Networks 3 hrs
- EEL 4915L Senior Design II 3 hrs

### Select 1:
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
### 2. Common Program Prerequisites (CPP)
- A “C” (2.0) or better is required in all courses in this area.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223 Introduction to Programming with C</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4</td>
</tr>
</tbody>
</table>

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 GEP
- BSC 2011C Biology II or 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2046 Chemistry Fundamentals II or 3 hrs
- PHY 3101 Physics for Engineers and Scientists III or 3 hrs

### 3. Core Requirements: Basic Level
- A “C” (2.0) or better is required in all courses in this area.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 3103 Computer Logic and Organization</td>
<td>3</td>
</tr>
<tr>
<td>CIS 3360 Security in Computing</td>
<td>3</td>
</tr>
<tr>
<td>COP 3330 Object Oriented Programming</td>
<td>3</td>
</tr>
<tr>
<td>COP 3402 Systems Software</td>
<td>3</td>
</tr>
<tr>
<td>COP 3502C Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>COP 3503C Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>COT 3103C Introduction to Discrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>COT 3160 CS Foundation Exam</td>
<td>0</td>
</tr>
<tr>
<td>ENC 3241 Writing for the Technical Professional</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level
- 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4020 Programming Languages I</td>
<td>3</td>
</tr>
<tr>
<td>COP 4331C Processes for Object-Oriented Software</td>
<td>4</td>
</tr>
<tr>
<td>COP 4600 Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>COT 4210 Discrete Structures II</td>
<td>3</td>
</tr>
<tr>
<td>COT 4810 Topics in Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4768C Computer Architecture</td>
<td>4</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives
- A “C” (2.0) or better is required in all courses in this area.

#### 4000-5000 level Computer Science courses
- Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

#### 4000-5000 level mathematics or statistics
- Courses from: STA, MAP, MAA, MAD, MAS prefixes and the following. No independent study hours, internship, or cooperative education hours are allowed.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MAS 3105 Matrix and Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MAS 3106 Linear Algebra</td>
<td>4</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

### 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

#### Advising Notes
- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

#### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- None
UCF Degree Programs

Freshman Year - Summer 7 hrs
COP 3330 Object Oriented Programming 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Fall 14 hrs
GEP 3 hrs
COP 3402 Systems Software 3 hrs
COP 3503C Computer Science II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring 14 hrs
CIS 3360 Security in Computing 3 hrs
COP 4331C Processes for Object-Oriented Software Development 4 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Sophomore Year - Summer 6 hrs
GEP 3 hrs
STA 2023 Statistical Methods I 3 hrs

Junior Year - Fall 14 hrs
GEP 3 hrs
BSC 2010C Biology I 4 hrs
COP 4020 Programming Languages I 3 hrs
EEL 4768C Computer Architecture 4 hrs

Junior Year - Spring 13 hrs
1 Restricted Elective 3 hrs
2 Restricted Elective 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
COP 4600 Operating Systems 3 hrs

2 Math/Stat Restricted Elective
2 CS Elective

Junior Year - Summer 3 hrs
COT 4210 Discrete Structures II 3 hrs

Senior Year - Fall 12 hrs
1 Restricted Elective 3 hrs
GEP 3 hrs
Free Elective 3 hrs
COT 4810 Topics in Computer Science 3 hrs

1 CS Elective

Senior Year - Spring 12 hrs
1 Restricted Elective 3 hrs
GEP 3 hrs
2 Restricted Elective 3 hrs

1 CS Elective
2 Math/Stat Restricted Elective

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.cece.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $45 per term
Full-Time Student: $90 per term

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics 3 hrs
Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Required PHY 2049C Physics for Engineers and Scientists II 4 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048C/48L also satisfy UCF GEP.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Required ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
MAC 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select one of the following sequences of courses:
CHM 2040C Chemistry Fundamentals I and 3 hrs
CHM 2041C Chemistry Fundamentals IB 3 hrs

or

CHM 2045C Chemistry Fundamentals I 4 hrs

or

CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

3. Core Requirements: Basic Level (5 hrs)
CHM 2045C Chemistry Fundamentals I CPP
CHM 2046 Chemistry Fundamentals II 3 hrs
EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

Construction Engineering (B.S.Con.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Ms. Carol Ann Pohl, cpolh@mail.ucf.edu
Dr. Amr A. Oloufa, aoloufa@mail.ucf.edu
Phone: 407-823-2841

Admission Requirements
- None
### 4. Core Requirements: Advanced Level (57 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4003</td>
<td>Introduction to the Construction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4004</td>
<td>Construction Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4034</td>
<td>Construction Estimating and Scheduling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4402</td>
<td>Construction Equipment and Productivity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4813</td>
<td>Mechanical and Electrical Systems for Buildings</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (3 hrs)

- Engineering Science electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students are encouraged to take one of the following as the technical elective. Other courses from the list of approved technical electives may be used with the approval of the department advisor. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

Select 1:
- CES 4605 - Steel Structures or CES 4702 - Reinforced Concrete Structures - 3 hrs

1 A “C” (2.0) or better is required in this course.

### 6. Capstone Requirements (6 hrs)

- Required Senior Design Courses

Select all of the following: 6 hrs
- CCE 4810C - Construction Design Project and CEG 4801C - Geotechnical Engineering Design - 3 hrs

### 7. Foreign Language Requirements

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

Graduation
- None

### 8. Electives

- None

### 9. Additional Requirements

- Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 128

### Honors in Major

- None

### Related Programs

- Civil Engineering
- Environmental Engineering

### Certificates

- None

### Related Minors

- Business
- Engineering Leadership
- Mathematics

### Advising Notes

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for courses each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

### Transfer Notes

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study (128 hrs)

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2044C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Select 1:

- ECO 2013 or ECO 2023

### GEP

- 3 hrs
## UCF Degree Programs

**Sophomore Year - Fall**
- **GEP**
- CHM 2045C Chemistry Fundamentals I 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

**Sophomore Year - Spring**
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 3310 Mechanics of Materials 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

**Sophomore Year - Summer**
- **GEP**
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- STA 3052 Probability and Statistics for Engineers 3 hrs

**Junior Year - Fall**
- **GEP**
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CGN 3501C Materials 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs

**Junior Year - Spring**
- **Restricted Elective**
- CCE 4004 Construction Methods 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- SUR 2101C Surveying 3 hrs

**Select 1:**
- CWR 4101C Hydrology or 3 hrs
- CWR 4203C Hydraulics or 3 hrs
- EGN 3343 Thermodynamics or 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs

**Concrete or Steel**
- CES 4605 Steel Structures or 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs

**Senior Year - Fall**
- CCE 4034 Construction Estimating and Scheduling 3 hrs
- CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- TTE 4004 Transportation Engineering 4 hrs

**Senior Year - Spring**
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CCE 4402 Construction Equipment and Productivity 3 hrs
- CCE 4810C Construction Design Project 3 hrs
- CEG 4801C Geotechnical Engineering Design 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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## Criminal Justice (B.A. / B.S.)
**College of Health and Public Affairs**
**Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311**
**E-mail: cjadvise@mail.ucf.edu**
Mary Ann Eastep
Phone: 407-823-2603

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course

1. **UCF General Education Program (GEP)** (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)
2. **Common Program Prerequisites (CPP)** (0 hrs)
   - None
3. **Core Requirements: Basic Level** (0 hrs)
   - None
4. **Core Requirements: Advanced Level** (18 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   - CCJ 3014 Crime in America 3 hrs
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CJO 3510 Prosecution and Adjudication 3 hrs
5. **Restricted Electives** (42 hrs)
   - 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
15 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

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

Graduation

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

1120

Honors In Major

- Interested students should consult with a faculty advisor.

Related Programs

- Legal Studies
- Certificates

Related Minors

- Legal Studies
- Psychology
- Public Administration

Advising Notes

- None

Transfer Notes

- "D" (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ENC 1101</td>
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</tr>
<tr>
<td>PAF 2102</td>
<td>2 hrs</td>
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</table>

Select 1:

- MAC 1105 | 3 hrs |
- MGF 1106 | 3 hrs |

Select 1:

- ANT 2000 | 3 hrs |
- PSY 2012 | 3 hrs |
- SYG 2000 | 3 hrs |

Select 1:

- AMH 2010 | 3 hrs |
- EUH 2000 | 3 hrs |
- HUM 2210 | 3 hrs |

Freshman Year - Spring

<table>
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<th>Course</th>
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<tr>
<td>CGS 1060C</td>
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<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
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Select 1:

- CHM 1020 | 3 hrs |
- PSC 1121 | 3 hrs |

Select 1:

- MUL 2101 | 3 hrs |
- PHI 2101 | 3 hrs |

Select 1:

- ARH 2050 | 3 hrs |
- LIT 2110 | 3 hrs |
- LIT 2120 | 3 hrs |
- PHI 2101 | 3 hrs |
- REL 2300 | 3 hrs |
- THE 2000 | 3 hrs |

Sophomore Year - Fall

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<th>Course</th>
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<tr>
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</table>

Select 1:

- AMH 2020 | 3 hrs |
- EUH 2001 | 3 hrs |
- HUM 2230 | 3 hrs |

Select 1:

- ANT 2511 | 3 hrs |
- BSC 1005 | 3 hrs |
- GLY 1030 | 3 hrs |
- MCB 1310 | 3 hrs |
- PSC 1121 | 3 hrs |

Select 1:

- ECO 2013 | 3 hrs |
- POS 2041 | 3 hrs |

Sophomore Year - Spring

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<th>Course</th>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Supporting Elective</td>
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<tr>
<td>CCJ 3014</td>
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<td>CCJ 3024</td>
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Junior Year - Fall

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<th>Course</th>
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<tbody>
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</tr>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
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<tr>
<td>CCJ 3010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4014</td>
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Junior Year - Spring

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<th>Course</th>
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<tbody>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Supporting Elective</td>
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<tr>
<td>CCJ 4701</td>
<td>3 hrs</td>
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</table>

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 12 hrs
- Free Elective 3 hrs
- Supporting Elective 3 hrs
- Restricted Elective or CCJ Internship 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aac/academic_learning_compacts.htm

Criminal Justice- A.S. to B.S. (B.S.M.S.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Digital Media (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, 12461 Research Parkway, 500 OTC
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Phone: 407-823-6100

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations -game design and web design - lead to a Bachelor of Arts degree. Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- UCF students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design 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)
- Required ARH 2050 History of Western Art I and 3 hrs
- Required ARH 2051 History of Western Art II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required ARH 2050 History of Western Art I and 3 hrs
- Required ARH 2051 History of Western Art II 3 hrs

Take all of the following: 6 hrs
- ARH, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school.

C: Mathematical Foundations (7 hrs)
- Required COP 2500C Concepts in Computer Science 4 hrs
- Required MAC 1105 College Algebra 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)
- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- COP 2500C Concepts in Computer Science GEP
- MAC 1105 College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)
- Admission to all courses after DIG 2000 is dependent on the student’s achieving at least a ‘B’ (3.0) in DIG 2000.

Digital Media Core: Basic
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Digital Media Core: Advanced
- DIG 3024 Digital Cultures & Narrative 3 hrs
- DIG 3480C Computer as a Medium 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 4780C Modeling for Realtime Systems 3 hrs

Game Design 42 hrs
- Admission to all courses after DIG 4713 is dependent on the student’s achieving at least a “B” (3.0) in DIG 4713

Game Design: Basic Concentration 24 hrs
- COP 3223 Introduction to Programming with C and 3 hrs
- COP 3330 Object Oriented Programming and 3 hrs
- DIG 4630C Digital Media Production I 3 hrs
- DIG 4713 Game Design and 3 hrs
- DIG 4715C Game Production and 3 hrs
- DIG 4720C Casual Game Production and 3 hrs
- DIG 4780C Modeling for Realtime Systems 3 hrs
- GRA 2151C Illustration 3 hrs

Game Design: Restricted Electives 18 hrs
- Complete 18 hours of credits from the following areas:
  - DIG 4725C must be taken at least two times. It is repeatable for credit.

Web Design 42 hrs

Web Design: Basic Concentration 24 hrs
- DIG 3134 Media Software Design and 3 hrs
- DIG 3563 Information Management and 3 hrs
- DIG 3716C Internet Interaction and 3 hrs
- DIG 3811 User-Centered Design and 3 hrs
- DIG 4503 Rapid Application Web Development and 3 hrs
- DIG 4530C Media for e-Commerce and 3 hrs
- DIG 4630C Media Business Practices and 3 hrs
- GRA 3803C Intermediate Computer Graphic Design 3 hrs

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.

1 Required  MAC 1105 College Algebra 3 hrs
5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements
- None

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

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Art
- Computer Science
- English - Creative Writing
- English - Literature
- English - Technical Communication
- Film - Cinema Studies Track
- Music

Certificates
- None

Related Minors
- Art - Studio
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Information Technology
- Music

Advising Notes
- None

Transfer Notes
- Grades less than 'C' (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- None

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Digital Media - Visual Language Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design
http://www.dm.ucf.edu
Dr. Jose Maunez-Cuadra, 407-823-6100

The UCF School of Visual Art and Design allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Art and Design and the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Note: Although the School maintains a computer lab for student use, Digital Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- UCF students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design.
- Co-op or internship credits are not permitted in this major without prior, written permission.
- Students should see the School’s advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following:
- Required ARH 2050 History of Western Art I and 3 hrs
- Required ARH 2051 History of Western Art II 3 hrs

Select one additional course from approved list 3 hrs

C: Mathematical Foundations (7 hrs)

Required COP 2500C Concepts in Computer Science 4 hrs
1 Required MAC 1105 College Algebra 3 hrs

1 (May substitute more advanced version)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)
UCF Degree Programs

2. Common Program Prerequisites (CPP) (9 hrs)
   ARH 2050 History of Western Art I GEP
   ARH 2051 History of Western Art II 3 hrs
   ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   ART 2300C Drawing Fundamentals I 3 hrs
   COP 2500C Concepts in Computer Science GEP
   MAC 1105 College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)
   Admission to all courses after DIG 2000 is dependent on the student’s achieving at least a ‘B’ (3.0) in DIG 2000.
   DIG 2000 Introduction to Digital Media 3 hrs
   DIG 2030C Digital Video Fundamentals 3 hrs
   DIG 2109C Digital Imaging Fundamentals 3 hrs
   DIG 2500C Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (51 hrs)
   DIG 3024 Digital Cultures & Narrative 3 hrs
   DIG 3400C Computer as a Medium 3 hrs
   DIG 3525 Digital Media Production I 3 hrs
   DIG 4780C Modeling for Realtime Systems 3 hrs

Visual Language Core 15 hrs
   ART 3643C Digital Effects & Compositing 3 hrs
   DIG 3951 Visual Language Portfolio Review 0 hrs
   DIG 4325C Look Modeling Workshop 3 hrs
   DIG 4326C Geometrical Modeling Workshop 3 hrs
   FIL 3720C Introduction to Animation 3 hrs
   FIL 3734C Intermediate Animation 3 hrs

Visual Language - Basic Concentration 24 hrs
   DIG 3355C Artificial Environments and Effects 3 hrs
   DIG 3433C Visual Storytelling and Visual Development 3 hrs
   DIG 4206C New Imagery in Motion Workshop 3 hrs
   DIG 4399C Artificial Environments and Effects Workshop 3 hrs
   DIG 4394C Motion Graphics: Advanced Compositing 3 hrs
   DIG 4433C Narrative Techniques in the Moving Image Workshop 3 hrs
   DIG 4451C Visual Storytelling and Visual Development Workshop 3 hrs
   DIG 4486C Visual Language of Moving Image II 3 hrs

5. Restricted Electives (7 hrs)
   Character Animation- Restricted Electives
   Complete 7 hours from the following areas:
   • ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media and Applied Arts

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   Met by graduation requirement.

   Graduation
   Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

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

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    None

12. University Minimum Exit Requirements
    • A 2.0 UCF GPA
    • 60 semester hours earned after CLEP awarded
    • 48 semester hours of upper division credit completed

   30 of the last 39 hours of course work must be completed in residency at UCF
   • A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   • Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

   Total Semester Hours Required
   120

   Honors in Major
   None

   Related Programs
   • Art
   • Computer Science
   • English - Creative Writing
   • English - Literature
   • English - Technical Communication
   • Film - Cinema Studies Track
   • Music

   Certificates
   None

   Related Minors
   • Art - Studio
   • Computer Science
   • English - Technical Communication
   • Film - Cinema Studies
   • Information Technology
   • Music

   Advising Notes
   None

   Transfer Notes
   Grades less than “C” (2.0) are not accepted.
   Courses taken at community colleges do not substitute for upper division courses.
   Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

   Acceptable Substitutes for Transfer Courses
   None

   Plan of Study
   None

   Program Academic Learning Compacts
   Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

   Equipment Fees
   • Part-Time Student: $45 per term
   • Full-Time Student: $90 per term

Early Childhood Development and Education Track
1: Education: Pre-Kindergarten - Primary (PK-3) (B.S.)

Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.ucf.edu
Phone: 407-823-4615

EDUCATION: PRE-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 and CLAS requirement (no alternatives or waivers are accepted).
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites. FTCE General Knowledge Test (GKT)-(if CLAS was used for admission) passing scores on the GKT is strongly recommended during semester 1 of the junior year and required at the time of application to EEC 4235C Seminar Course. FTCE Professional Education Test (PdEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- FTCE General Knowledge Test (GKT) - (if CLAS was used for admission) passing scores on the GKT is strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PdEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- General Education Program elective from section B2: 3 hrs
  - Prefer LIT 2110 World Literature I or 3 hrs
  - Prefer LIT 2120 World Literature II or 3 hrs
  - Prefer PHI 2101 Introduction to Philosophy or 3 hrs
  - Prefer REL 2300 World Religions 3 hrs

- General Education Program elective from section B1 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
  - Prefer STA 2023C 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)
- Select 1: 3 hrs
  - Prefer POS 2041 American National Government 3 hrs
  - Prefer PSY 2121 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer ANT 2511 The Human Species or 3 hrs
  - Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (15 hrs)

4. Core Requirements: Advanced Level (60 hrs)
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.
# UCF Degree Programs

## Semester I

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700 Social and Emotional Development of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4661 Early Childhood Education Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4751 Parent Involvement in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3310 Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080 Theory and Practice of Teaching ESL</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Total Semester Hours Required</strong></td>
<td>15 hrs</td>
</tr>
</tbody>
</table>

## Semester II

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4207 Assessment and Evaluation of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4268 Curriculum Activities in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4604 Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450 Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4240 Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Total Semester Hours Required</strong></td>
<td>15 hrs</td>
</tr>
</tbody>
</table>

## Semester III

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4235 Early Childhood Education Seminar: Bridging Theory to Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4300 Math Curriculum and Assessment in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3111 Primary Reading, Writing, and Language Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4304 Teaching Science and Technology to Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Total Semester Hours Required</strong></td>
<td>12 hrs</td>
</tr>
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</table>

## Semester IV

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4943 Student Teaching</td>
<td>12 hrs</td>
</tr>
<tr>
<td><strong>Total Semester Hours Required</strong></td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

## Required Minors

- None

## Departmental Exit Requirements

- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites.

## University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Additional Requirements

- 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Total Semester Hours Required</strong></td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2085 Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105 College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSC 1121 Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Total Semester Hours Required</strong></td>
<td>15 hrs</td>
</tr>
</tbody>
</table>

### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT 2110 World Literature I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 2120 World Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010 Introduction to Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 2300 World Religions</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Freshman Year - Summer  
POS 2041  American National Government  6 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  
EME 2040  Introduction to Technology for Educators  3 hrs  
SPC 1808  Fundamentals of Oral Communication  3 hrs  
Select 1:  3 hrs  
ANT 2511  The Human Species or  3 hrs  
BSC 1005  Biological Principles  3 hrs  
Select 1:  3 hrs  
STA 1060C  Basic Statistics Using Microsoft Excel or  3 hrs  
STA 2014C  Principles of Statistics  3 hrs  
GEP B1 Elective (Prefer AMH 2010)  3 hrs  
Sophomore Year - Spring  
1 EDF 2130  Child and Adolescent Development for Educators  3 hrs  
1 EDF 2720  Children in Schools: Legal, Ethical and Safety Concerns  3 hrs  
EEC 4731  Health, Safety, and Nutrition for Young Children  3 hrs  
GEP B3 Elective (Prefer AMH 2020)  3 hrs  
Junior Year - Fall  
EEC 3700  Social and Emotional Development of Young Children  3 hrs  
EEC 4861  Early Childhood Education Theory and Practice  3 hrs  
EEX 4751  Parent Involvement in Education  3 hrs  
RED 3310  Early Reading, Writing and Language Arts  3 hrs  
TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs  
Junior Year - Spring  
EEC 4207  Assessment and Evaluation of Young Children  3 hrs  
EEC 4288  Curriculum Activities in Early Childhood  3 hrs  
EEC 4604  Classroom Management and Guidance of Young Children  3 hrs  
EEX 3450  Young Children With Special Needs  3 hrs  
TSL 4240  Issues in Second Language Acquisition  3 hrs  
Junior Year - Summer  
Please note: It is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE prior to entering the Senior year, and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portion of the FTCE prior to entry into student teaching (EEC 4943 Internship). 
EEC 4303  Planning Creative Activities in Early Childhood Education  3 hrs  
RED 3012  Basic Foundations of Reading  3 hrs  
Senior Year - Fall  
EEC 4235C  Early Childhood Education Seminar: Bridging Theory to Practice  3 hrs  
MAE 3300  Math Curriculum and Assessment in Early Childhood  3 hrs  
RED 4311  Primary Reading, Writing, and Language Arts Curriculum and Assessment  3 hrs  
SCE 4304  Teaching Science and Technology to Young Children  3 hrs  
Senior Year - Spring  
EEC 4943  Student Teaching  12 hrs  
Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.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/  
E-mail: ece@mail.ucf.edu  
Dr. Judy Levin, 122L, jlevin@mail.ucf.edu  
Phone: 407-823-4615  

EARLY CHILDHOOD DEVELOPMENT TRACK Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Students in this program will be trained in first aid and CPR and earn a CPR certification. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.  

Admission Requirements  
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.  
- Meet the CLAS requirement.  
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).  
- Meet the Gordon Rule Requirement.  
- Meet Foreign Language Admission Requirement.  

Degree Requirements  
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail (ece@mail.ucf.edu) prior to registering for classes.  
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.  
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.  

1. UCF General Education Program (GEP)  
(36 hrs)  
- Students are advised to take the preferred courses.  

A: Communication Foundations  
(9 hrs)  
Required  ENC 1101  Composition I  3 hrs  
Required  ENC 1102  Composition II  3 hrs  
Preferred  SPC 1608  Fundamentals of Oral Communication  3 hrs
## UCF Degree Programs

### B: Cultural & Historical Foundations

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT 2110</td>
<td>World Literature I or II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature I or II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHIL 2010</td>
<td>Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 2300</td>
<td>World Religions</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

General Education Program elective from section B1 to meet Gordon Rule Requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel orStatSoft</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### C: Mathematical Foundations

<table>
<thead>
<tr>
<th>Select:</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics or Pre-Calculus</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Explorations in Mathematics</td>
</tr>
</tbody>
</table>

### D: Social Foundations

<table>
<thead>
<tr>
<th>Select:</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
</tbody>
</table>

### E: Science Foundations

<table>
<thead>
<tr>
<th>Select:</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC 1111</td>
<td>Physical Science</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>Biological Principles</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP)

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

### 3. Core Requirements: Basic Level

<table>
<thead>
<tr>
<th>Select:</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 2004</td>
<td>Developmental Psychology</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
</tr>
<tr>
<td>ARS 2000</td>
<td>Early Childhood Art and Creativity</td>
</tr>
<tr>
<td>MUE 2211</td>
<td>Early Childhood Music and Movement</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Social Problems</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level

- 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4661</td>
<td>Early Childhood Education Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4751</td>
<td>Parent Involvement in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Semester II

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4207</td>
<td>Assessment and Evaluation of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 3414</td>
<td>Literature for Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4060C</td>
<td>Motor Development and Learning</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4731</td>
<td>Health, Safety, and Nutrition for Young Children</td>
<td>3 hrs</td>
</tr>
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</table>

### Semester III

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4402</td>
<td>Cultural and Family Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4414</td>
<td>Parent-Child Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4528</td>
<td>Infant/Toddler Care and Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Select one Early Childhood Development Track Elective

- Note: Students must consult with their advisor regarding approval for other elective options.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4268</td>
<td>Curriculum Activities in Early Childhood or Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4524</td>
<td>Organization and Management in Early Childhood or Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3360</td>
<td>Cognitive Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3304</td>
<td>Games Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I or II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4640</td>
<td>Adapted Physical Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4710</td>
<td>Methods for Physical Activity for Children and Adolescents</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4650</td>
<td>Child Abuse: Treatment and Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4654</td>
<td>Children’s Services</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
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### Semester IV

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EEC 4940</td>
<td>Practicum: Early Childhood Development</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

- None

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

### Admissions

Admissions process for state University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120
### Plan of Study

- **Freshman Year - Fall**: 12 hrs
  - EDF 2085 Introduction to Diversities for Educators 3 hrs
  - ENC 1101 Composition I 3 hrs
  - MGF 1106 Finite Mathematics 3 hrs
  - Select Elective if needed 3 hrs

- **Freshman Year - Spring**: 15 hrs
  - ENC 1102 Composition II 3 hrs
  - PSC 1121 Physical Science 3 hrs
  - PSY 2012 General Psychology 3 hrs
  - SYG 2010 Social Problems 3 hrs

- **Select 1**: 3 hrs
  - LIT 2110 World Literature I or 3 hrs
  - LIT 2120 World Literature II or 3 hrs
  - PHI 2010 Introduction to Philosophy or 3 hrs
  - REL 2300 World Religions 3 hrs

- **Freshman Year - Summer**: 6 hrs
  - ARE 2000 Early Childhood Art and Creativity 3 hrs
  - MUE 2211 Early Childhood Music and Movement 3 hrs

- **Sophomore Year - Fall**: 15 hrs
  - Transfer Note: Courses taken at community colleges may substitute for select courses with the permission of the department.
  - MUE 1000 Fundamentals of Oral Communication 3 hrs

- **Sophomore Year - Spring**: 15 hrs
  - STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
  - STA 2014C Principles of Statistics 3 hrs
  - GEP B1 elective (Prefer AMH 2010) 3 hrs
  - Select Elective if needed 3 hrs

- **Sophomore Year - Summer**: 15 hrs
  - DEP 2102 Developmental Psychology 3 hrs
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - POS 2041 American National Government 3 hrs
  - GEP B2 elective 3 hrs

- **Junior Year - Fall**: 12 hrs
  - EEC 3700 Social and Emotional Development of Young Children 3 hrs
  - EEC 4402 Cultural and Family Systems 3 hrs
  - EEC 4425 Parent-Child Relations 3 hrs
  - LAE 3414 Literature for Children 3 hrs
  - PET 4000C Motor Development and Learning 3 hrs

- **Junior Year - Spring**: 15 hrs
  - EEC 4207 Assessment and Evaluation of Young Children 3 hrs
  - EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
  - EEX 3450 Young Children With Special Needs 3 hrs
  - LAE 3414 Literature for Children 3 hrs
  - PET 4050C Motor Development and Learning 3 hrs

- **Junior Year - Summer**: 6 hrs
  - EEC 4300 Planning Creative Activities in Early Childhood Education 3 hrs
  - EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs

- **Senior Year - Fall**: 12 hrs
  - EEC 4402 Cultural and Family Systems 3 hrs
  - EEC 4414 Parent-Child Relations 3 hrs
  - EEC 4528 Infant/Toddler Care and Education 3 hrs
  - Select Elective 3 hrs

- **Senior Year - Spring**: 12 hrs
  - EEC 4940 Practicum: Early Childhood Development 12 hrs

### 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

### 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, BA 302Q, mcaputo@bus.ucf.edu, 407-823-1405
Nora Underwood, BA 302N, 407-823-1403
David Scroggin, BA 302U, 407-823-1405
Phone: 407-823-3266

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education.

Several flexible tracks allow students to customize their education to their personal interests and career goals.

These tracks can be coupled with a minor from many different Colleges to create a unique program for each student. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics.

Not eligible for a double degree with the BSBA in Economics.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program
Prerequisite courses are usually completed in the first 60 hours.
UCF Degree Programs

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

A: Communication Foundations (9 hrs)

Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

1 Required MAC 1140 Pre-Calculus Algebra
3 hrs

Required STA 2023 Statistical Methods I
3 hrs

1 or Calculus

D: Social Foundations (6 hrs)

Select 1:
Suggested ECO 2013 Principles of Macroeconomics or
3 hrs
Suggested ECO 2023 Principles of Microeconomics
3 hrs

Select 1:
Suggested ANT 2000 General Anthropology or
3 hrs
Suggested PSY 2012 General Psychology or
3 hrs
Suggested SYG 2000 Introduction to Sociology
3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

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

ECO 2013 Principles of Macroeconomics GEP

ECO 2023 Principles of Microeconomics
3 hrs

3. Core Requirements: Basic Level (0 hrs)

None

4. Core Requirements: Advanced Level (16 hrs)

ECO 3101 Intermediate Microeconomics
3 hrs

ECO 3203 Intermediate Macroeconomics
3 hrs

ECO 4451 Research Methods in Economics
3 hrs

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.

MAC 2233 Concepts of Calculus and
3 hrs

STA 2023 Statistical Methods I
3 hrs

or

ECO 3401 Quantitative Business Tools I
3 hrs

Select one of the following sequences of courses:

STA 4163 Statistical Methods II
3 hrs

or

STA 4321 Statistical Theory I
3 hrs

or

ECO 3411 Quantitative Business Tools II
4 hrs

5. Restricted Electives (18 hrs)

All B.A. Economics majors will be required to take six (6) electives by choosing one of the following tracks:

Private Enterprise Track 18 hrs

ECO 3223 Money and Banking and
3 hrs

ECO 3203 Labor Economics and
3 hrs

ECP 4403 Industrial Organization and Game Theory and
9 hrs

Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

International Track 18 hrs

ECO 3703 International Microeconomics and
3 hrs

ECO 4713 International Macroeconomics and
3 hrs

ECS 4013 Development Economics and
3 hrs

Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

Economics of Governmental Regulation 18 hrs

ECO 4504 Public Economics and
3 hrs

ECP 3203 Labor Economics and
3 hrs

ECP 4303 Environmental and Natural Resource Economics and
3 hrs

Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

General Track 18 hrs

It is possible to have a double track; however, only the first designated track will show on the transcript.

Select any six 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor’s approval.

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

ECO 3410 Mathematical Economics
3 hrs

ECO 3703 International Microeconomics
3 hrs

ECO 4412 Econometrics
3 hrs

ECO 4504 Public Economics
3 hrs

ECP 4403 Industrial Organization and Game Theory
3 hrs

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

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

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement

8. Electives

Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

None

10. Required Minors

- Students may select a minor from any of the authorized minors listed in the UCF Undergraduate Catalog. Students are strongly encouraged to consult with an advisor about the choice of a minor that is compatible with their career interests.
The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Several flexible tracks allow students to customize their education to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.
UCF Degree Programs

Admission Requirements
- See Common Program Prerequisites
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

Degree Requirements
- Not eligible for a double degree with another College of Business Administration major or a BA in Economics

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

A: Communication Foundations (9 hrs)
- Preferred: SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required: CGS 2100C Computer Fundamentals for Business 3 hrs
- Required: MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Suggested: ECO 2023 Principles of Microeconomics or 3 hrs
  - Suggested: ECO 2013 Principles of Macroeconomics or 3 hrs

Select one of the following sequences of courses:
- Students must receive a "C" (2.0) or better.

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

A: Communication Foundations (9 hrs)
- Preferred: SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required: CGS 2100C Computer Fundamentals for Business 3 hrs
- Required: MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Suggested: ECO 2023 Principles of Microeconomics or 3 hrs
  - Suggested: ECO 2013 Principles of Macroeconomics or 3 hrs

Select one of the following sequences of courses:
- Students must receive a "C" (2.0) or better.

C: Mathematical Foundations (6 hrs)
- Required: MAC 1140 Pre-Calculus Algebra 3 hrs

E: Science Foundations (6 hrs)
- Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

2. Common Program Prerequisites (CPP) (21 hrs)
- Must be completed with a "C" (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ACG 2021 Principles of Managerial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (32 hrs)

BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 3411 Intermediate Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
GE 3031 Cornerstone: Professional Skills for Business 3 hrs
GE 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GB 3375 Introduction to International Business 4 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs
MGT 3025 Management of Organizations 4 hrs
MKT 3023 Marketing 4 hrs

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

Required Major Courses (9 hrs)
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 4451 Research Methods in Economics 3 hrs

5. Restricted Electives (15 hrs)
- All Business majors will be required to take five (5) electives by choosing one of the following tracks:

   BUSINESS/ECONOMICS TRACK 15 hrs
- ECO 3223 Money and Banking 3 hrs
- ECP 3203 Labor Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   INTERNATIONAL TRACK 15 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4171 International Macroeconomics 3 hrs
- ECS 4013 Development Economics 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   FINANCIAL TRACK 15 hrs
- ECO 4751 Law and Economics 3 hrs
- ECP 3203 Labor Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   PRE-LAW TRACK 15 hrs
- ECO 4504 Public Economics 3 hrs
- ECP 4504 Public Economics 3 hrs
- ECP 4504 Industrial Organization and Game Theory 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   REGULATION TRACK 15 hrs
- ECO 4512 Econometrics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECO 4412 Econometrics 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   ECONOMICS OF GOVERNMENTAL TRACK 15 hrs
- ECO 4504 Public Economics 3 hrs
- ECP 4504 Public Economics 3 hrs
- ECP 4504 Public Economics 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   GENERAL TRACK 15 hrs
- For double majors in Finance, two of these electives can be selected from Finance with advisor’s approval.
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 4171 International Macroeconomics 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   BUSINESS TRACK 15 hrs
- For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
- ECO 4504 Public Economics 3 hrs
- ECP 4504 Industrial Organization and Game Theory 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

   GENERAL TRACK 15 hrs
- For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
- ECO 4504 Public Economics 3 hrs
- ECP 4504 Industrial Organization and Game Theory 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

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

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
- ECO 4504 Public Economics 3 hrs
- ECO 4504 Industrial Organization and Game Theory 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses
7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- Special College and/or Departmental Requirements
- Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during Exam Week.
- Students must have at least a 2.0 GPA in the COB and major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students majoring in Business Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.00 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Economics
- Economics - Accelerated Undergraduate-Graduate Program

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- ACG 2021- Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study
- Business Economics

Freshman Year - Fall
- ENC 1101 Composition I
- ECO 2013 Principles of Macroeconomics
- MAC 1140 Pre-Calculus Algebra
- SPC 1608 Fundamentals of Oral Communication

Freshman Year - Spring
- ENC 1102 Composition II
- ECO 2023 Principles of Microeconomics
- ENC 1100 Introduction to International Business
- SPC 1608 Fundamentals of Oral Communication

Sophomore Year - Fall
- ECO 3101 Intermediate Microeconomics
- ECO 3203 Intermediate Macroeconomics
- ECO 3401 Intermediate Microeconomics
- ENC 1101 Introduction to International Business
- SPC 1608 Fundamentals of Oral Communication

Sophomore Year - Spring
- ECO 3011 Principles of Managerial Accounting
- ECO 3111 Intermediate Microeconomics
- MAN 3025 Management of Organizations
- MAR 3023 Marketing
- SPC 1608 Fundamentals of Oral Communication

Junior Year - Fall
- ECO 3102 Intermediate Macroeconomics
- ECO 3411 Quantitative Business Tools II
- ECO 3411 Quantitative Business Tools II
- MAR 3023 Marketing
- SPC 1608 Fundamentals of Oral Communication

Junior Year - Spring
- ECO 3375 Introduction to International Business
- MAN 3025 Management of Organizations
- SPC 1608 Fundamentals of Oral Communication

Senior Year - Spring
- BUL 3130 Legal and Ethical Environment of Business
- ECO 4451 Research Methods in Economics
- MAN 4720 Strategic Management
- SPC 1608 Fundamentals of Oral Communication

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Economics Degree Programs

Economics - Accelerated Undergraduate-Graduate Program (B.A. / M.S.)

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Economics
See also Mathematics - Mathematical Economics Track

Electrical Engineering (B.S.E.E.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246

http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
■ None

Degree Requirements
■ None

1. UCF General Education Program (GEP) (38 hrs)
■ The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College System should complete the required courses indicated.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1:
Suggested SPC 1603 Fundamentals of Technical Presentations or 3 hrs
Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1:
Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics 3 hrs

Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
1 MAC 2311 Calculus with Analytic Geometry I GEP
1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
1 MAP 2302 Differential Equations 3 hrs
1 PHY 2048C Physics for Engineers & Scientists I GEP
1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1:
CHM 2045C Chemistry Fundamentals I or 4 hrs
2 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

Select 1:
ECON 2018C Introduction to Economics I 3 hrs
ECON 2017C Introduction to Economics II 3 hrs

Humanities Courses
Social Science Courses
Humanities or Social Science
1 A "C" (2.0) or better is required in this course.
2 Preferred

3. Core Requirements: Basic Level (2 hrs)
■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)

Courses Required for the Engineering Core (12 hrs)
EGN 3310 Engineering Analysis-Statistics 3 hrs
EGN 3420 Engineering Analysis 3 hrs
PHY 3101 Physics for Engineers and Scientists I 3 hrs
STA 3032 Probability and Statistics for Engineers GEP

Select 1:
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major (41 hrs)
EEL 3307C Electronics I 4 hrs
EEL 3342C Digital Systems 3 hrs
EEL 3350 Semiconductor Devices I 3 hrs
EEL 4309C Electronics II 4 hrs
EEL 3304 Electrical Networks 3 hrs
EEL 3323C Networks and Systems 4 hrs
EEL 3470 Electromagnetic Fields 3 hrs
EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
EEL 3657 Linear Control Systems 3 hrs
EEL 3801C Computer Organization 3 hrs
EEL 4742C Embedded Systems 4 hrs
EEL 4750 Digital Signal Processing Fundamentals 3 hrs

5. Restricted Electives (10 hrs)
■ Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communications, and photonics. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives (10 hrs)
■ Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements (6 hrs)
■ EEL 4914 and EEL 4915L
### 7. Foreign Language Requirements

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

**Graduation**
- None

**8. Electives**
- None

**9. Additional Requirements**
- Electrical engineering students must earn at least 32 hours in residence at UCF.

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 128

**Honors In Major**
- None

**Related Programs**
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

**Certificates**
- None

**Related Minors**
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

**Advising Notes**
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Students are assumed knowledge of a higher level programming language (C preferred).

**Transfer Notes**
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

### EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

### Acceptable Substitutes for Transfer Courses
- None

**Plan of Study**

#### Freshman Year - Fall
**14 hrs**
- EGN 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- GEP- Historical Foundation 3 hrs
- GEP- Science Foundation 3 hrs

#### Freshman Year - Spring
**15 hrs**
- COP 3223 Introduction to Programming with C 3 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2313 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs

**Sophomore Year - Fall**
**17 hrs**
- EGN 3310 Engineering Analysis-Statics 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists III 4 hrs

**Select 1:**
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

**Sophomore Year - Spring**
**15 hrs**
- EEL 3342C Digital Systems 3 hrs
- EEL 3552C Analog and Digital Communication 4 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- GEP- Cultural Foundation 3 hrs

**Junior Year - Fall**
**14 hrs**
- EEE 3307C Electronics I 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EGN 3420 Engineering Analysis 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

**Select 1:**
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3398 Thermo-Fluids-Heat Transfer 3 hrs

**Junior Year - Spring**
**17 hrs**
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- EEE 3307C Electronics I 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EGN 3420 Engineering Analysis 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

**Senior Year - Fall**
**16 hrs**
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Approved Technical Elective 4 hrs
- GEP-Historical Foundation 3 hrs

**Senior Year - Spring**
**13 hrs**
- EEE 4309C Electronics II 4 hrs
- EEL 4915L Senior Design II 3 hrs
- Approved Technical Elective 3 hrs
- Approved Technical Elective 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Elementary Education (B.S.)

Department of Teaching and Learning Principles,
ED, Room: 209

http://education.ucf.edu/elemed/

Dr. Karri Williams, kjwilliams@mail.ucf.edu
Dr. Robert Everett, ED 122M, everett@mail.ucf.edu, 407-823-5788

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designated 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 ARH 2051 History of Western Art II or MUL 2010 Enjoyment of Music 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Select 1:
     - Suggested MAC 1105 College Algebra or MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
     - Prefer STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

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

   E: Science Foundations (6 hrs)
   - Prefer BSC 1005 Biological Principles 3 hrs
   - Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   EDF 2005 Introduction to the Teaching Profession 3 hrs
   1 EDF 2085 Introduction to Diversity for Educators 3 hrs
   EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (15 hrs)
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - MAE 2801 Elementary School Mathematics 4 hrs
   - PET 2001 Wellness, Children and Schools 1 hr

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Lower Division Electives 7 hrs
- Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

Other Program Requirements 8 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- LAE 3414 Literature for Children 3 hrs
- 1 RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

1 Required prior to Internship I

Semester I 15 hrs
- EDE 3942 Internship I 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- LAE 3414 Literature for Children 3 hrs
- 1 RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

1 Required prior to Internship I

Summer 6 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Semester II 15 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- 1 RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
- SCE 3310 Teaching Science in Elementary School 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School 3 hrs

1 Required prior to Internship I

Semester III (Internship I Block) 12 hrs
- Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801

1 EDE 3942 Internship I 3 hrs
1 EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
1 MAE 4326 How Children Learn Mathematics 3 hrs
1 RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs
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 (0 hrs)
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum overall 2.5 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None
UCF Degree Programs

Senior Year - Fall
EDE 3942  Internship I  3 hrs
EDE 4223  Integrated Arts and Movement in the Elementary School  3 hrs
MAE 4326  How Children Learn Mathematics  3 hrs
RED 4942  Practicum for Assessment and Instruction of Reading  3 hrs

Senior Year - Spring
EDE 4943  Internship II (Elementary)  12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oceas.ucf.edu/alc/academic_learning_compacts.htm

English - Creative Writing (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. David Wallace
Phone: 407-823-2212

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students must earn at least a "C" (2.0) in each required course
- Co-op or internship credit cannot be used in the major without prior approval from the department
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

A: Communication Foundations
Required  ENC 1101  Composition I  3 hrs
Required  ENC 1102  Composition II  3 hrs
Prefer  SPC 1608  Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations
Prefer  LIT 2110  World Literature I  3 hrs
Prefer  LIT 2120  World Literature II  3 hrs
Select one class from 1.B.1 list  3 hrs

C: Mathematical Foundations
1 Suggested MGF 1106  Finite Mathematics  3 hrs
Prefer  STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

1 May substitute a higher level math.

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP)  (6 hrs)
1 ENC 1101  Composition I  GEP
ENC 1102  Composition II  GEP

1 See Transfer Notes for possible substitutions. See “Common Prerequisites” in the Transfer and Transition Services section for more information.

3. Core Requirements: Basic Level  (9 hrs)
CRW 3033  Creative Writing for English Majors  3 hrs
CRW 3053  Theory & Practice of Creative Writing  3 hrs
1 ENG 3014  Theories and Techniques of Literature Study  3 hrs

1 This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level  (12 hrs)
- Literary History Requirement
- Choose four courses total from these two groupings

Select at least one of these pre-1865 literature courses.
- Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.

Select 1:  3 hrs
AML 3031  American Literature I or
AML 3286  Early American Women's Words or
AML 3613  Narratives of Slavery or
AML 3640  Native American Literature or
AML 4304  Whitman and His Heirs or
ENL 2012  English Literature I or
ENL 4220  English Renaissance Poetry and Prose or
ENL 4230  18th Century Studies or
ENL 4240  English Romantic Writers or
ENL 4311  Chaucer or
ENL 4333  Shakespeare Studies or
ENL 4341  Milton and His Age or
LIT 4374  Literature of the Bible  3 hrs

Select at least one of these post-1865 literature courses.
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 1:  3 hrs
AML 3241  American Literature II or
AML 3283  Contemporary American Women's Fiction or
AML 3614  Topics in African-American Literature or
AML 3615  Harlem, Haiti, and Havana or
AML 3643  Contemporary Native American Prose and Poetry or
AML 4101  American Novel or
AML 4153  American Poetry at Mid-Century or
AML 4155  Modern American Poetry or
AML 4261  Literature of the South or
AML 4265  Florida Writers or
AML 4321  Modern American Literature or
AML 4630  Latino/Latina Literature or
ENL 2022  English Literature II or
ENL 4101  English Novel or
ENL 4253  The Victorian Age: Poetry or
ENL 4262  Nineteenth Century British Prose or
ENL 4273  Modern British Literature or
LIT 3082  Continental European Fiction Since 1900 or
LIT 3192  Caribbean Literature or
LIT 3823  Hispanic Women Writers or
LIT 4043  Modern Drama As Literature or
LIT 4184  Irish Literature or
LIT 4303  Post-World War II Fiction  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
CRW 3211  Creative Nonfiction Writing or
CRW 3310  Poetry Writing Workshop or
CRW 3610  Writing Scripts or

b. Choose two of the following:  6 hrs
Select 2:  6 hrs
CRW 4122  Advanced Fiction Writing Workshop or
1 CRW 4224  Advanced Nonfiction Writing or
CRW 4320  Advanced Poetry Writing Workshop or
CRW 4616  Advanced Scriptwriting Workshop

1 May take ENC 4360 Nature Writing instead of CRW 4224 but not both.
c. Choose one of the following:  
3 hrs

Select 1:  
3 hrs

- CRW 3311  Structure of Verse or  
  3 hrs
- CRW 3540  Literary Magazines or  
  3 hrs
- CRW 3900  Cypress Dome Editorship or  
  3 hrs
- CRW 4014  The Writing Life or  
  3 hrs
- CRW 4114  History of Prose Style or  
  3 hrs
- CRW 4722  Editing for Creative Writers or  
  3 hrs
- CRW 4724  The Florida Review or  
  3 hrs
- any other CRW elective or Special Topics course  
  3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives

- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division required courses.
- Computer Competency met by completion of CRW 3013

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major  
(9 hrs)

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

Related Programs

- English - Literature
- English - Technical Communication

Certificates

- None

Related Minors

- English - Technical Communication
- English - Writing
- Linguistics

Advising Notes

- None
UCF Degree Programs

English - Literature (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. David Wallace
Phone: 407-823-2212

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>B: Cultural &amp; Historical Foundations</th>
<th>C: Mathematical Foundations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I 3 hrs</td>
<td>Prefer LIT 2120 World Literature I 3 hrs</td>
<td>1 Required MGF 1106 Finite Mathematics 3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
<td>Prefer LIT 2120 World Literature II 3 hrs</td>
<td>Prefer STA 1103C Basic Statistics Using Microsoft Excel 3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1508 Fundamentals of Oral Communication 3 hrs</td>
<td>Select on class from 1.B.1 list 3 hrs</td>
<td>1 May substitute a higher level math.</td>
</tr>
</tbody>
</table>

### D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>E: Science Foundations (6 hrs)</th>
</tr>
</thead>
</table>

### 2. Common Program Prerequisites (CPP) (0 hrs)

<table>
<thead>
<tr>
<th>1 ENC 1101 Composition I GEP</th>
<th>1 ENC 1102 Composition II GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Required MGF 1106 Finite Mathematics 3 hrs</td>
<td>1 See transfer notes for possible substitutions.</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level (6 hrs)

<table>
<thead>
<tr>
<th>1 ENG 3014 Theories and Techniques of Literature Study 3 hrs</th>
<th>Choose one gateway course 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one gateway course 3 hrs</td>
<td>CRW 3013 Creative Writing for English Majors or 3 hrs</td>
</tr>
<tr>
<td>CRW 3053 Theory &amp; Practice of Creative Writing or 3 hrs</td>
<td>ENC 3241 Writing for the Technical Professional 3 hrs</td>
</tr>
<tr>
<td>ENC 3241 Writing for the Technical Professional 3 hrs</td>
<td>1 Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (15 hrs)

- Literary History Requirement
- Choose five courses from the two groupings

Select at least two pre-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3031</td>
<td>American Literature I or 3 hrs</td>
</tr>
<tr>
<td>AML 3286</td>
<td>Early American Women's Words or 3 hrs</td>
</tr>
<tr>
<td>AML 3613</td>
<td>Narratives of Slavery or 3 hrs</td>
</tr>
<tr>
<td>AML 3640</td>
<td>Native American Literature or 3 hrs</td>
</tr>
<tr>
<td>AML 4304</td>
<td>Whitman and His Heirs or 3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (15 hrs)

- Upper Division Requirements

Choose one single author or major author course: 3 hrs

Select 1: 3 hrs

| AML 4300 | Major American Authors or 3 hrs |
| ENL 4303 | British Authors or 3 hrs |
| ENL 4311 | Chaucer or 3 hrs |
| ENL 4333 | Shakespeare Studies or 3 hrs |
| ENL 4341 | Milton and His Age or 3 hrs |
| LIT 4244 | World Authors 3 hrs |

Choose one linguistics or theory course: 3 hrs

Select 1: 3 hrs

| ENG 3010 | Practical Criticism or 3 hrs |
| LIN 3010 | Principles of Linguistics or 3 hrs |
| LIN 4105 | History of the English Language or 3 hrs |
| LIN 4643 | Cross Cultural Communication or 3 hrs |
| LIN 4660 | Linguistics and Literature or 3 hrs |
| LIN 4680 | Modern English Grammar or 3 hrs |
| LIT 4554 | Advanced Feminist Theories 3 hrs |

Three additional upper level courses 9 hrs

<table>
<thead>
<tr>
<th>AML, ENL, or LIT prefix</th>
</tr>
</thead>
</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 foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives

- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division required courses.
- Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major (9 hrs)

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

Related Programs

- English - Creative Writing
- English - Technical Communication

Certificates

- None

Related Minors

- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- English - Writing

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

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**Plan of Study**

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>15 hrs</td>
<td>ENC 1101 Composition I 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HUM 2210 Humanistic Tradition I 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MGF 1106 Finite Mathematics 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POS 2041 American National Government 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
</tr>
<tr>
<td><strong>Freshman Year - Spring</strong></td>
<td>16 hrs</td>
<td>CHM 1020 Concepts in Chemistry 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENC 1102 Composition II 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LIT 2110 World Literature I 3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>STA 1060C Basic Statistics Using Microsoft Excel 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs</td>
</tr>
<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>16 hrs</td>
<td>Restricted Elective 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BSC 1005 Biological Principles 3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>LIT 2120 World Literature II 3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>PSY 2012 General Psychology 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs</td>
</tr>
<tr>
<td><strong>Sophomore Year - Spring</strong></td>
<td>15 hrs</td>
<td>Restricted Elective 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AML 3031 American Literature I 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AML 3041 American Literature II 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG 3014 Theories and Techniques of Literature Study 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs</td>
</tr>
<tr>
<td><strong>Junior Year - Fall</strong></td>
<td>15 hrs</td>
<td>Restricted Elective 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CRW 3013 Creative Writing for English Majors 3 hrs</td>
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<tr>
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<td></td>
<td>ENL 2022 English Literature II 3 hrs</td>
</tr>
<tr>
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<td>LIN 4105 History of the English Language 3 hrs</td>
</tr>
<tr>
<td><strong>Junior Year - Spring</strong></td>
<td>15 hrs</td>
<td>Restricted Elective 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AML 4261 Literature of the South 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENL 4333 Shakespeare Studies 3 hrs</td>
</tr>
<tr>
<td><strong>Senior Year - Fall</strong></td>
<td>15 hrs</td>
<td>Restricted Elective 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CRW 4101 American Novel 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENL 4253 The Victorian Age: Poetry 3 hrs</td>
</tr>
<tr>
<td><strong>Senior Year - Spring</strong></td>
<td>13 hrs</td>
<td>Restricted Elective 3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>Restricted Elective 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Restricted Elective 4 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LIT 3383 Women in Literature 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*
### UCF Degree Programs

#### English - Technical Communication (B.A.)

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**

[http://english.cah.ucf.edu](http://english.cah.ucf.edu)

**E-mail: english@mail.ucf.edu**

Dr. David Wallace

Phone: 407-823-2212

---

#### Admission Requirements

- **None**

**Degree Requirements**

- **Students** who change degree programs and select this major must adopt the most current catalog.
- **Students** must earn at least a "C" (2.0) in each required course.
- **Co-op** or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.

**Departmental Residency Requirement** consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.

**Courses** designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

---

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
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<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1000 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>Prefer MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. (May substitute a higher level math course)

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
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<tr>
<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
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<tbody>
<tr>
<td>Prefer ENC 1102 Composition II</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Common Program Prerequisites (CPP)</th>
<th>(0 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
<td></td>
</tr>
</tbody>
</table>

**ENC 1101** Composition I GEP

**ENC 1102** Composition II GEP

<table>
<thead>
<tr>
<th>3. Core Requirements: Basic Level</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>ENC 3241 Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| Select 1:                        |         |
| CRW 3013 Creative Writing for English Majors or | 3 hrs |
| CRW 3053 Theory & Practice of Creative Writing or | 3 hrs |
| ENL 3014 Theories and Techniques of Literature Study | 3 hrs |

<table>
<thead>
<tr>
<th>4. Core Requirements: Advanced Level</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 4280 Technical Writing Style</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4293 Documentation and the Collaborative Process</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4294 Documentation and Client-Based Collaboration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4433 Literature of Science and Technology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| Select 1:                        |         |
| ENC 4215 Technical Publication and Project Management or | 3 hrs |
| ENC 4218 The Visual in Technical Documentation | 3 hrs |

<table>
<thead>
<tr>
<th>Literary History Requirement</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose three courses from these two groupings</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select at least one of these pre-1865 literature courses</th>
<th>0 hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3001 American Literature I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3296 Early American Women’s Words or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3613 Narratives of Slavery or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3640 Native American Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4304 Whitman and His Heirs or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 2012 English Literature I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4220 English Renaissance Poetry and Prose or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4230 18th Century Studies or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4240 English Romantic Writers or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4311 Chaucer or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4333 Shakespeare Studies or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4341 Milton and His Age or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4374 Literature of the Bible</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select at least one of these post 1865 literature courses</th>
<th>0 hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3041 American Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3283 Contemporary American Women’s Fiction or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3614 Topics in African-American Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3615 Harlem, Haiti, and Havana or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3643 Contemporary Native American Prose and Poetry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4101 American Novel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4153 American Poetry at Mid-Century or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4155 Modern American Poetry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4261 Literature of the South or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4265 Florida Writers or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4321 Modern American Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4630 Latino/Latina Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 2022 English Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4101 English Novel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4253 The Victorian Age: Poetry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4262 Nineteenth Century British Prose or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4273 Modern British Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3082 Continental European Fiction since 1900 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3192 Caribbean Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3823 Hispanic Writers or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4043 Modern Drama As Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4184 Irish Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4303 Post-War World II Fiction</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Restricted Electives</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3311 Advanced Expository Writing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4262 International Technical Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4265 Writing for the Computer Industry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4290 Usability Testing for Technical Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4414 Writing and Hypertext</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional course:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 4941 Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6. Capstone Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>None</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. Foreign Language Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Admissions</strong></td>
<td>Met by graduation requirement</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8. Graduation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>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.</strong></td>
<td></td>
</tr>
</tbody>
</table>


8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of the following:
  ENC 4293 Documentation and the Collaborative Process 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major (9 hrs)
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in 5000 level English elective (3 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 - Linguistics
- English - Literature
- English - Writing
- Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

English Language Arts Education (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/englished/
E-mail: jkaplan@mail.ucf.edu
Dr. Jeff Kaplan, ED 122B
Phone: 407-823-2041

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- 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
- Required LIT 2110 World Literature I 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Select 1: 3 hrs
  - Prefer STA 1060C 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 or 3 hrs
  - Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
UCF Degree Programs

3. Core Requirements: Basic Level (12 hrs)

1 EDF 2130  Child and Adolescent Development for Educators 3 hrs
ENL 2012  English Literature I 3 hrs
ENL 2022  English Literature II 3 hrs
LIT 2110  World Literature I  GEP
LIT 2120  World Literature II 3 hrs

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (63 hrs)

Education Core Requirements 21 hrs
1 EDF 4467  Learning Theory and Assessment 3 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
1 EDG 4410  Teaching Strategies and Classroom Management 3 hrs
EEX 4242  Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12 3 hrs
1 TSL 4080  Theory and Practice of Teaching ESOL in Schools 3 hrs
TSL 4240  Issues in Second Language Acquisition 3 hrs

1 Prerequisite for Internship I.

Specialization Requirements 21 hrs
AML 3031  American Literature I 3 hrs
AML 3041  American Literature II 3 hrs
CRW 3013  Creative Writing for English Majors 3 hrs
ENG 3014  Theories and Techniques of Literature Study 3 hrs
LAE 4464  Survey of Adolescent Literature 3 hrs

Select 1: 3 hrs
ENC 3311  Advanced Expository Writing 3 hrs
LIN 4106  History of the English Language 3 hrs

Upper Division Elective with EDF, EDG, LAE, or RED prefix 3 hrs

Internship I Block 9 hrs

Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices 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 (0 hrs)

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

None

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

Achieve a minimum 2.5 GPA in all courses within the major.

Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

Complete a TESOL notebook as required for ESOL Endorsement.

Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major

None

Related Programs

None

Certificates

None

Related Minors

None

Advising Notes

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

EDF 2005  Introduction to the Teaching Profession  3 hrs
ENC 1101  Composition I  3 hrs
MGF 1106  Finite Mathematics  3 hrs
PSY 2012  General Psychology  3 hrs

Freshman Year - Spring

EDF 2005  Introduction to Diversity for Educators  3 hrs
ENC 1102  Composition II  3 hrs
POS 2041  American National Government  3 hrs
PSC 1121  Physical Science  3 hrs

Freshman Year - Summer

EME 2040  Introduction to Technology for Educators  3 hrs
LIT 2110  World Literature I  3 hrs

Sophomore Year - Fall

AMH 2010  U.S. History: 1492-1877  3 hrs
LIT 2120  World Literature II  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
Select 1:  3 hrs
- ANT 2511  The Human Species or
- BSC 1005  Biological Principles  3 hrs

Sophomore Year - Spring

AMH 2020  U.S. History: 1877-Present  3 hrs
AML 3031  American Literature I  3 hrs
EDF 2130  Child and Adolescent Development for Educators  3 hrs
ENL 2012  English Literature I  3 hrs

Sophomore Year - Summer

ENL 2022  English Literature II  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL  3 hrs

Junior Year - Fall

CRW 3013  Creative Writing for English Majors  3 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
TSL 4240  Issues in Second Language Acquisition  3 hrs

Junior Year - Spring

AML 3041  American Literature II  3 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
LAE 4361  Literacy Strategies for Middle and High School Grade 12  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
Select 1:  3 hrs
- ENC 3311  Advanced Expository Writing or
- LIN 4105  History of the English Language  3 hrs
Upper Division Elective w/ RED, LAE, EDG, or EDF prefix  3 hrs

Junior Year - Summer

ENG 3014  Theories and Techniques of Literature Study  3 hrs

Senior Year - Fall

EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs
LAE 3940  Internship  3 hrs
LAE 4342  Programs in Teaching Language and Composition  3 hrs
LAE 4380  English Instructional Analysis  3 hrs

Senior Year - Spring

LAE 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

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

Admission Requirements

- None

Degree Requirements

- 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 1003  Fundamentals of Technical Presentations  3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Select two courses from Historical Foundations  6 hrs
- Select one class from Cultural Foundations  3 hrs

C: Mathematical Foundations (7 hrs)

- Required  MAC 2311  Calculus with Analytic Geometry I  4 hrs
- Required  STA 3032  Probability and Statistics for Engineers  3 hrs

D: Social Foundations (6 hrs)

- Select 1:  3 hrs
  - Prefer  ECO 2013  Principles of Microeconomics  3 hrs
  - Prefer  ECO 2023  Principles of Macroeconomics  3 hrs
- Select one class from Social Foundations  3 hrs

E: Science Foundations (7 hrs)

- Prefer  GEO 1200  Physical Geography  3 hrs
- Required  PHY 2048C  Physics for Engineers & Scientists I  4 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- ENC 1101  Composition I
- ENC 1102  Composition II
- I MAC 2311  Calculus with Analytic Geometry I
- MAC 2312  Calculus with Analytic Geometry II
- MAC 2313  Calculus with Analytic Geometry III
- MAP 2302  Differential Equations
- PHY 2048C  Physics for Engineers & Scientists I
- PHY 2049C  Physics for Engineers & Scientists II
Select one of the following sequences of courses:

- CHM 2040C Chemistry Fundamentals IA and 3 hrs
- CHM 2041C Chemistry Fundamentals IB 3 hrs

or

- CHM 2045C Chemistry Fundamentals I 4 hrs

or

- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

1 also satisfy UCF GEP sub-requiments

3. Core Requirements: Basic Level (6 hrs)
- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
- CHM 2045C Chemistry Fundamentals I CPP
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
- Earth Science - GEP
- Biological Science 3 hrs

4. Core Requirements: Advanced Level (51 hrs)

Courses Required for the Major
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EES 4111C Biological Process Control 3 hrs
- EES 4202C Chemical Process Control 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- EGN 3701 Introduction to Environmental Engineering 3 hrs
- ENV 4120 Air Pollution Control 3 hrs
- ENV 4341 Solid & Hazardous Waste Management 4 hrs
- ENV 4561 Environmental Engineering - Process Design 4 hrs
- STA 3032 Probability and Statistics for Engineers GEP

1 A "C" (2.0) or better is required in this course.

5. Restricted Electives (7 hrs)
- Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Required Senior Design Courses

Select 2:
- CGN 4808C Civil Engineering Capstone Design or 6 hrs
- CWR 4812C Water Resources Design or 3 hrs
- ENV 4122C Air Pollution Control Design or 3 hrs
- ENV 4300C Solid Waste Facility Design or 3 hrs
- ENV 4562C Environmental Engineering Systems Design 3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- EnV students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Chemistry
- Civil Engineering
- Construction Engineering

Certificates
- None

Related Minors
- Bioengineering
- Chemistry
- Engineering Leadership
- Environmental Studies
- Mathematics

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.
**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  
E-mail: hospitality@mail.ucf.edu  
Dr. Deborah Breiter, Department Chair  
Dr. Abraham Pizam, Dean  
Phone: 407-903-8000  

**Admission Requirements**  
- None  

**Degree Requirements**  
- None  

1. **UCF General Education Program (GEP)** (36 hrs)  
   A: Communication Foundations (9 hrs)  
   B: Cultural & Historical Foundations (9 hrs)  
   C: Mathematical Foundations  
       Required  MAC 1105 College Algebra 3 hrs  
   Select 1:  
       Required  CGS 2100C Computer Fundamentals for Business or 3 hrs  
       Required  STA 2023 Statistical Methods I 3 hrs  
   Select 1: 3 hrs  

2. **Common Program Prerequisites (CPP)** (3 hrs)  
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  

3. **Core Requirements: Basic Level** (0 hrs)  
   MAC 1105 College Algebra GEP  
   Select 1:  
   - CGS 2100C Computer Fundamentals for Business or 0 hr GEP  
   - STA 2023 Statistical Methods I GEP  
   Select 1: 0 hr  

4. **Core Requirements: Advanced Level** (52 hrs)  
   Hospitality Management Core 24 hrs  
   HFT 2220 Hospitality Human Resources Management 3 hrs  
   HFT 2254 Lodging Operations 3 hrs  
   HFT 2401 Hospitality Industry Financial Accounting 3 hrs  
   HFT 2500 Hospitality and Tourism Marketing 3 hrs  
   HFT 3431 Hospitality Industry Managerial Accounting 3 hrs  
   HFT 3540 Guest Services Management I 3 hrs  
   HFT 4286 Hospitality Communications 3 hrs  
   HFT 4464 Hospitality Industry Finance 3 hrs  
   
   Internships 3 hrs  
   HFT 3940 Internship 1 hr  
   HFT 4941 Internship 1 hr  
   HFT 4944 Practicum 1 hr  

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**Freshman Year - Fall**  
14 hrs  
1 BSC 1050 Biology and Environment 3 hrs  
EGN 1006C Introduction to the Engineering Profession 1 hr  
ENC 1101 Composition I 3 hrs  
MAC 2311 Calculus with Analytic Geometry I 4 hrs  
Select 1: 3 hrs  
ECO 2013 Principles of Macroeconomics or 3 hrs  
ECO 2023 Principles of Microeconomics 3 hrs  

**Sophomore Year - Fall**  
16 hrs  
EGN 1007C Engineering Concepts and Methods 1 hr  
ENC 1102 Composition II 3 hrs  
1 GEO 1200 Physical Geography 3 hrs  
MAC 2313 Calculus with Analytic Geometry II 4 hrs  
PHY 2048C Physics for Engineers & Scientists I 4 hrs  

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**Sophomore Year - Fall**  
17 hrs  
GEP 3 hrs  
CHM 2045C Chemistry Fundamentals I 4 hrs  
EGN 3310 Engineering Analysis-Statistics 3 hrs  
EGN 3613 Engineering Economic Analysis 2 hrs  
MAC 2313 Calculus with Analytic Geometry III 4 hrs  

**Sophomore Year - Spring**  
15 hrs  
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs  
HFT 2254 Lodging Operations 3 hrs  
HFT 2401 Hospitality Industry Financial Accounting 3 hrs  
HFT 2500 Hospitality and Tourism Marketing 3 hrs  
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs  
HFT 3540 Guest Services Management I 3 hrs  
HFT 4286 Hospitality Communications 3 hrs  
HFT 4464 Hospitality Industry Finance 3 hrs  

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**Junior Year - Fall**  
15 hrs  
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs  
HFT 2254 Lodging Operations 3 hrs  
HFT 2401 Hospitality Industry Financial Accounting 3 hrs  
HFT 2500 Hospitality and Tourism Marketing 3 hrs  
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs  
HFT 3540 Guest Services Management I 3 hrs  
HFT 4286 Hospitality Communications 3 hrs  
HFT 4464 Hospitality Industry Finance 3 hrs  

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**Senior Year - Fall**  
14 hrs  
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs  
HFT 2254 Lodging Operations 3 hrs  
HFT 2401 Hospitality Industry Financial Accounting 3 hrs  
HFT 2500 Hospitality and Tourism Marketing 3 hrs  
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs  
HFT 3540 Guest Services Management I 3 hrs  
HFT 4286 Hospitality Communications 3 hrs  
HFT 4464 Hospitality Industry Finance 3 hrs  

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**Senior Year - Spring**  
14 hrs  
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs  
HFT 2254 Lodging Operations 3 hrs  
HFT 2401 Hospitality Industry Financial Accounting 3 hrs  
HFT 2500 Hospitality and Tourism Marketing 3 hrs  
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs  
HFT 3540 Guest Services Management I 3 hrs  
HFT 4286 Hospitality Communications 3 hrs  
HFT 4464 Hospitality Industry Finance 3 hrs  

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**Program Academic Learning Compacts**  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm  

**Equipment Fees**  
- Part-Time Student: $45 per term  
- Full-Time Student: $90 per term  

**Environmental Studies Track**  
See Interdisciplinary Studies - Environmental Studies Track
### Event Management Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FSS 2212C</td>
<td>Techniques of Food Preparation</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HFT 2750</td>
<td>The Event Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3373</td>
<td>Event Design, Production &amp; Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3512</td>
<td>Event Promotion</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3519</td>
<td>Event Services</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3523</td>
<td>Event Sales</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3670</td>
<td>Hospitality and Event Risk Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4757</td>
<td>Event Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Total Semester Hours Required:** 120

### 5. Restricted Electives

**Complete any six restricted Event Management Electives** 18 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>HFT 3357</td>
<td>Golf Event Operations or</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3741</td>
<td>Meeting Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3798</td>
<td>Fairs and Festivals or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3868</td>
<td>History of Culture of Wine or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4375</td>
<td>Advanced Trade Show Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4561</td>
<td>Destination Marketing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4736</td>
<td>Destination Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4796</td>
<td>International Events</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements

None

### 7. Foreign Language Requirements

**Admissions**

- State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**

None

### 8. Electives

- 3-11 hours as necessary to result in 120 total credit hours.

### 9. Additional Requirements

- Final exams will be given during Final Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

### 10. Required Minors

None

### 11. Departmental Exit Requirements

None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required:** 120

### 13. Honors in Major

None

### Related Programs

None

### Certificates

None

### Related Minors

None

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**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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3 hrs</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select one course from the list** 3 hrs

- ANT 2000  General Anthropology or 3 hrs
- PSY 2012  General Psychology or 3 hrs
- SYG 2000  Introduction to Sociology 3 hrs

**Cultural Foundation Course** 3 hrs

- AMH 2010  U.S. History: 1492-1877 or 3 hrs
- EUH 2000  Western Civilization I or 3 hrs
- HUM 2210  Humanistic Tradition I or 3 hrs
- WOH 2012  World Civilization I 3 hrs

**Freshman Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2750</td>
<td>The Event Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Cultural Foundation Course** 3 hrs

- AMH 2020  U.S. History: 1877-Present or 3 hrs
- EUH 2001  Western Civilization II or 3 hrs
- HUM 2230  Humanistic Tradition II or 3 hrs
- WOH 2022  World Civilization II 3 hrs

**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3519</td>
<td>Event Services</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3670</td>
<td>Hospitality and Event Risk Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:** 3 hrs

- ECO 2013  Principles of Macroeconomics or 3 hrs
- ECO 2023  Principles of Microeconomics 3 hrs

**Science Foundation** 3 hrs

- ANT 2511  The Human Species or 3 hrs
- BSC 1005  Biological Principles or 3 hrs
- BSC 1050  Biology and Environment or 3 hrs
- GEO 1200  Physical Geography or 3 hrs
- GLY 1030  Geology and Its Applications 3 hrs

**Sophomore Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2221C</td>
<td>Techniques of Food Preparation</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3523</td>
<td>Event Sales</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3792</td>
<td>Event Design and Production</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Science Foundation II** 3 hrs

- AST 2002  Astronomy or 3 hrs
- CHM 1020  Concepts in Chemistry or 3 hrs
- PSC 1121  Physical Science 3 hrs
Cultural Foundation Course 3 hrs
ARH 2050 History of Western Art I or 3 hrs
FIL 1000 Cinema Survey or 3 hrs
LIT 2110 World Literature I or 3 hrs
LIT 2120 World Literature II or 3 hrs
MUL 2010 Enjoyment of Music or 3 hrs
PHI 2010 Introduction to Philosophy or 3 hrs
REL 2300 World Religions or 3 hrs
THE 2000 Theatre Survey 3 hrs

1 Food Preparation for Catered Events 4 credit hours

Junior Year - Fall 16 hrs
HFT 2254 Lodging Operations 3 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3373 Event Design, Production & Technology 3 hrs
HFT 3519 Event Services 3 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 3940 Internship 1 hr

Junior Year - Spring 15 hrs
HFT 3431 Hospitality industry Managerial Accounting 3 hrs
HFT 4941 Internship 1 hr

Event Management Restricted Electives ***See list in catalog for 9 hrs

Senior Year - Fall 15 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4944 Practicum 1 hr

Event Management Restricted Elective ***See list in catalog for 6 hrs

University Free Electives 5 hours hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Exceptional Student Education (B.S.)
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://www.education.ucf.edu/
Dr. Lee Cross, Program Coordinator, lcross@mail.ucf.edu
Linda Alexander, Program Contact, lalexand@mail.ucf.edu, 407-823-2598

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements
- Students should seek advising through the Exceptional Education faculty prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.
- Students must earn a “C-”(1.75) or better in each required Exceptional Education course
- Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for available test dates and test sites.
- FTCE General Knowledge Test (GKT): Passing score on the GKT is required prior for admission into the College of Education.
- FTCE Professional Education Test (PEd) prior to Internship I.
- Must take and pass one of the following content area subject area examinations: Elementary K-5, Secondary individual subject areas 6-12, or Integrated Curriculum 6-9

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: 1877-Present 3 hrs
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1: 3 hrs
- Prefer LIT 2110 World Literature I or 3 hrs
- Prefer LIT 2120 World Literature II or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy or 3 hrs
- Prefer REL 2300 World Religions 3 hrs

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

Select 1: 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
Select 1: 3 hrs
- Prefer PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species or 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.


UCF Degree Programs

3. Core Requirements: Basic Level (15 hrs)
   - EDF 2130  Child and Adolescent Development for Educators  3 hrs
   - EDF 2720  Children in Schools: Legal, Ethical and Safety Concerns  3 hrs
   - EEX 2010  Introduction to Special Education  3 hrs
   - EEX 2758  Enhancing Family Involvement in Education  2 hrs
   - MAE 2801  Elementary School Mathematics  4 hrs

Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)
   - Exceptional Student Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environment. Students majoring in Exceptional Student Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Exceptional Student Education major's program and to integrate theory and practice in actual school settings. Throughout the Exceptional Student Education program, students document and reflect upon their accomplishments in a Professional LiveText Portfolio, which is continuously reviewed by faculty. In addition, students must complete a TESOL Notebook.

Semester I
   - EDG 4410  Teaching Strategies and Classroom Management  3 hrs
   - EEX 3241  Methods for Academic Skills for Exceptional Students  3 hrs
   - RED 3012  Basic Foundations of Reading  3 hrs
   - TSL 4080  Theory and Practice of Teaching ESOL  3 hrs

Courses to be taken prior to Internship I

Semester II
   - It is strongly recommended to take the Professional Education Test (PDT) portion of the FTCE during Semester II
   - EDF 4467  Learning Theory and Assessment  3 hrs
   - EEX 4324  Techniques for Exceptional Adolescents-Adults  3 hrs
   - LAE 4310  Language Arts in the Elementary School  3 hrs
   - RED 4519  Diagnostic and Corrective Reading Strategies  3 hrs
   - TSL 4240  Issues in Second Language Acquisition  3 hrs

Semester III (Summer)
   - Please note: It is required to take the Professional Education Test (PDT) prior to Semester III and the Exceptional Student Education (ESE) Subject Area Exam portion of the Florida Teacher Certification Exam (FTCE) prior to Semester IV.
   - 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/
   - 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 I.
   - EEX 3221  Assessment of Exceptional Students  3 hrs
   - EEX 4066  Curriculum, Theory and Instructional Strategies for Students with Special Needs  3 hrs

Semester IV
   - 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/
   - A passing score on all applicable sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional Education Test, and Subject Area Examination for Exceptional Student Education K-12) is strongly recommended before entry into student teaching (EEX 4941 Internship II).

Choose one course from either the Elementary or Secondary level Methods Content Area Course I sections.

- EEX 3942  Internship I Exceptional Education  3 hrs
- EEX 4601  Introduction to Behavior Management  3 hrs
- EEX 4763  Technology for Classroom Teachers of Students with Special Needs  3 hrs
- RED 4942  Practicum for Assessment and Instruction of Reading  3 hrs

Elementary Level: Methods Content Area  0 hr

Course I
   - LAE 3434  Literature for Children or  3 hrs
   - MAE 4326  How Children Learn Mathematics or  3 hrs
   - SCE 3310  Teaching Science in Elementary School or  3 hrs
   - SSE 3312  Teaching Social Science in the Elementary School  3 hrs

Secondary Level: Methods Content Area  0 hr

Course I
   - LAE 3430  English Instructional Analysis or  3 hrs
   - MAE 4360  Mathematics Instructional Analysis or  4 hrs
   - RED 4043  Content Reading in Kindergarten through Grade 12 or  3 hrs
   - SCE 3430  Science Instructional Analysis or  4 hrs
   - SSE 3431  Social Science Instructional Analysis  4 hrs

1 To enroll in this course, you must be registered for EEX 3942 Internship I.

Semester V
   - 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-5.065.
   - 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.

Choose one course from either the Elementary or Secondary level Methods Content Area Course II sections.

- EEX 4941  Internship  9 hrs

Elementary Level: Methods Content Area  0 hr

Course II
   - LAE 3434  Literature for Children or  3 hrs
   - SCE 3310  Teaching Science in Elementary School or  3 hrs
   - SSE 3312  Teaching Social Science in the Elementary School  3 hrs

Secondary Level: Methods Content Area  0 hr

Course II
   - LAE 3430  English Instructional Analysis or  3 hrs
   - MAE 4360  Mathematics Instructional Analysis or  4 hrs
   - RED 4043  Content Reading in Kindergarten through Grade 12 or  3 hrs
   - SCE 3430  Science Instructional Analysis or  4 hrs
   - SSE 3431  Social Science Instructional Analysis  4 hrs

1 To enroll in this course, you must be registered for EEX 3942 Internship II.

Restricted Electives  0 hrs

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions
   - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
   - None

8. Electives
   - None
### UCF Degree Programs

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- None

**Transfer Notes**
- None

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

**Freshman Year - Fall**
- EDF 2005  Introduction to the Teaching Profession  3 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- PSY 2012  General Psychology  3 hrs

**Freshman Year - Spring**
- EDF 2005  Introduction to Diversity for Educators  3 hrs
- EDF 2130  Child and Adolescent Development for Educators  3 hrs
- ENC 1102  Composition II  3 hrs
- PSC 1121  Physical Science  3 hrs

**Select 1:**
- LIT 2110  World Literature I or  3 hrs
- LIT 2120  World Literature II or  3 hrs
- PHI 2101  Introduction to Philosophy or  3 hrs
- REL 2300  World Religions  3 hrs

**Freshman Year - Summer**
- EME 2040  Introduction to Technology for Educators  3 hrs
- POS 2041  American National Government  3 hrs

**Sophomore Year - Fall**
- AMH 2010  U.S. History: 1492-1877  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

**Select 1:**
- ANT 2511  The Human Species or  3 hrs
- BSC 1005  Biological Principles  3 hrs

**Sophomore Year - Spring**
- AMF 2720  Children in Schools: Legal, Ethical and Safety Concerns  3 hrs
- EEX 2758  Enhancing Family Involvement in Education  2 hrs
- MAE 2801  Elementary School Mathematics  4 hrs

**Sophomore Year - Summer**
- A passing score on the FTCE General Knowledge Test (GKT) portion of the Florida Teacher Certification Examination is required prior to admission to the Exceptional Education Program.

**Junior Year - Fall**
- EDC 4410  Teaching Strategies and Classroom Management  3 hrs
- EEX 3241  Methods for Academic Skills for Exceptional Students  3 hrs
- RED 3012  Basic Foundations of Reading  3 hrs
- TSL 4260  Issues in Second Language Acquisition  3 hrs

**Junior Year - Spring**
- It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE during Semester II.
- EDF 4467  Learning Theory and Assessment  3 hrs
- EEX 3243  Techniques for Exceptional Adolescents-Adults  3 hrs
- LAE 4314  Language Arts in the Elementary School  3 hrs
- RED 4519  Diagnostic and Corrective Reading Strategies  3 hrs
- TSL 4260  Issues in Second Language Acquisition  3 hrs

**Junior Year - Summer**
- It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.
- EEX 3221  Assessment of Exceptional Students  3 hrs
- EEX 4066  Curriculum, Theory and Instructional Strategies for Students with Special Needs  3 hrs

**Senior Year - Fall**
- EEX 3942  Internship I Exceptional Education  3 hrs
- EEX 4601  Introduction to Behavior Management  3 hrs
- EEX 4763  Technology for Classroom Teachers of Students with Special Needs  3 hrs
- RED 4942  Practicum for Assessment and Instruction of Reading  3 hrs

**Select Methods Content I**
- Choose from one of the following. Must be different from the selected course during Senior Year Fall Term.

**Senior Year - Spring**
- It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE during Semester II.
- LAE 3241  Literature for Children or  3 hrs
- LAE 4360  English Instructional Analysis or  3 hrs
- MAE 4326  How Children Learn Mathematics or  3 hrs
- MAE 4360  Mathematics Instructional Analysis or  4 hrs
- RED 4043  Content Reading in Kindergarten through Grade 12 or  3 hrs
- SCE 3310  Teaching Science in Elementary School or  3 hrs
- SCE 4360  Science Instructional Analysis or  4 hrs
- SSE 3312  Teaching Social Science in the Elementary School or  3 hrs
- SSE 4361  Social Science Instructional Analysis or  4 hrs

**Senior Year - Summer**
- It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.
- EEX 3221  Assessment of Exceptional Students  3 hrs
- EEX 4066  Curriculum, Theory and Instructional Strategies for Students with Special Needs  3 hrs
- RED 4942  Practicum for Assessment and Instruction of Reading  3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/aic/academic_learning_compacts.htm

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**UCF Degree Programs**

**University of Central Florida**

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**Undergraduate Catalog 2010-2011**
Degree Requirements

1. UCF General Education Program (GEP) (36 hrs)
   See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)
   - Prefer FIL 2030 History of Motion Pictures 3 hrs
   - 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

B: Cultural & Historical Foundations (9 hrs)
   - Prefer CGS 1060C Introduction to Computer Science 3 hrs
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

C: Mathematical Foundations (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs
   - Select one:
     - Prefer CGS 1060C Introduction to Digital Media 3 hrs
     - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
   - Select four courses from the following. Must complete all 3.
   - FIL 1007 Foundations of Story 3 hrs
   - FIL 2030 History of Motion Pictures GEP

3. Core Requirements: Basic Level (21 hrs)
   - Lower level core requirements
     - DIG 2000 Introduction to Digital Media 3 hrs
     - FIL 1009 Cinematic Expression for Majors 3 hrs
     - FIL 2107 Script Analysis 3 hrs
     - FIL 2461 Cinematography I 3 hrs
     - FIL 2480 Directing for Film I 3 hrs
     - FIL 2481 Directing the Actor for Film I 3 hrs
     - FIL 2552C Editing I 3 hrs
   - Prefer one course from either 1.B.1 or 1.B.2 list 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
   - Upper level core requirements
     - FIL 3037 Film History II 3 hrs
     - FIL 3115 Short Script I 3 hrs
     - FIL 3132 Short Script II 3 hrs
     - FIL 3427C Introduction to Film Production 3 hrs
     - FIL 3534 Sound Design for Film I 3 hrs
     - FIL 3803C Film Theory and Criticism I 3 hrs
     - FIL 3922 Film Colloquium 1 hr
     - FIL 4486C Directing for Film II 3 hrs
     - FIL 4647 Film Production Management 3 hrs
     - FIL 4661 The Film Producer 3 hrs

5. Restricted Electives (12 hrs)
   - Select four courses from the following. Must complete all 4.
   - Screen Writing
     - FIL 4017 Adaptation 3 hrs
     - FIL 4113C Interactive Writing I 3 hrs
     - FIL 4114C Interactive Writing II 3 hrs
     - FIL 4126C Genre Writing 3 hrs
     - FIL 4162C Film/TV Writing I 3 hrs
     - FIL 4163C Film/TV Writing II 3 hrs
     - FIL 4906 Directed Independent Study 1 hr

   - Production/Direction
     - DIG 4704 Interactive Entertainment 3 hrs
     - FIL 3363C Film Documentary 3 hrs
     - FIL 4434C Capstone I 3 hrs
     - FIL 4472C Cinematography II 3 hrs
     - FIL 4487 Directing for Film III 3 hrs
     - FIL 4535C Sound Design for Film II 3 hrs
     - FIL 4536 Sound Design III 3 hrs
     - FIL 4566C Editing II 3 hrs

   - Cinema Studies
     - FIL 3031 Avant-Garde Cinema 3 hrs
     - FIL 3804C Film Theory and Criticism II 3 hrs
     - FIL 3820 Italian Film 3 hrs
     - FIL 3822 French Film 3 hrs
     - FIL 3823 German Film 3 hrs
     - FIL 3824 Italian Neo-Realist Cinema 3 hrs
     - FIL 3825 American Cinema 3 hrs
     - FIL 3831 Black Cinema 3 hrs
     - FIL 3841 French New Wave Cinema 3 hrs
     - FIL 3847 Latin American Cinema 3 hrs
     - FIL 3871 The American Film Artist 3 hrs
     - FIL 3880C Images of Women in Film 3 hrs
     - FIL 4436 Film Theory/Film Production 3 hrs

   - Digital Cinema
     - ART 2823 Art as Interface 3 hrs
     - ART 3618C Post-Production Design 3 hrs
     - COP 3502C Computer Science I 3 hrs
     - DIG 3134 Media Software Design 3 hrs
     - DIG 3138C Digital Imagery 3 hrs
     - DIG 4780C Modeling for Realtime Systems 3 hrs
     - DIG 4855 Converging Media Capstone 3 hrs
     - ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs
     - MUC 3311 MIDI Sequencing I 3 hrs

6. Capstone Requirements (6 hrs)
   - FIL 4434C Capstone I 3 hrs
   - FIL 4573C Capstone II 3 hrs

7. Foreign Language Requirements

Admissions
   - Met by graduation requirement

Graduation
   - Proficiency equivalent to one year of college instruction 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.
Plan of Study

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
FIL 1007 Foundations of Story 3 hrs
FIL 1008 Cinematic Expression/Aesthetics 3 hrs
FIL 1009 Cinematic Expression for Majors 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs
Foreign Language 4 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
FIL 2030 History of Motion Pictures 3 hrs
FIL 2107 Script Analysis 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs
Foreign Language 4 hrs

Freshman Year - Summer

Sophomore Year - Fall
FIL 3115 Short Script I 3 hrs
FIL 3427C Introduction to Film Production 3 hrs
FIL 3805C Film Theory and Criticism I 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Spring
FIL 2480 Directing for Film I 3 hrs
FIL 2481 Directing the Actor for Film I 3 hrs
FIL 2552C Editing I 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Summer
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall
DIG 2000 Introduction to Digital Media 3 hrs
FIL 2461 Cinematography I 3 hrs
FIL 3036 Film History I 3 hrs
FIL 3534 Sound Design for Film I 3 hrs
FIL 3922 Film Colloquium 1 hr
FIL 4486C Directing for Film II 3 hrs

Junior Year - Spring
FIL 3037 Film History II 3 hrs
FIL 3132 Short Script II 3 hrs
FIL 3922 Film Colloquium 1 hr
FIL 4647 Film Production Management 3 hrs
FIL 4661 The Film Producer 3 hrs
FIL XXXX Elective

Senior Year - Fall
FIL 4434C Capstone I 3 hrs
FIL XXXX Elective
FIL XXXX Elective

Senior Year - Spring
FIL 4573C Capstone II 3 hrs
FIL XXXX Elective

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oead.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**


E-mail: film@mail.ucf.edu

Mr. 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)

- Select: **3 hrs**
  - Prefer **FIL 2030 History of Motion Pictures** 3 hrs
  - Prefer one course from **1.B.1 or 1.B.2 list** 3 hrs

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

- **Prefer** **FIL 2107 Script Analysis** 3 hrs
- **Prefer one course from **FIL 2030 History of Motion Pictures** 3 hrs

**C: Mathematical Foundations** (6 hrs)

- **Select 1:** **3 hrs**
  - Prefer **CGS 1060C Introduction to Computer Science or STA 1060C Basic Statistics Using Microsoft Excel** 3 hrs
  - **Prefer** **MGF 1106 Finite Mathematics** 3 hrs

1. (may substitute a higher level math)

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (6 hrs)

### 2. Common Program Prerequisites (CPP) (3 hrs)

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

1. **FIL 1007 Foundations of Story** 3 hrs

2. **FIL 2030 History of Motion Pictures** GEP

3. See Transfer Notes for possible substitutes

### 3. Core Requirements: Basic Level (12 hrs)

- **DIG 2000 Introduction to Digital Media** 3 hrs
- **FIL 1008 Cinematic Expression/Aesthetics** 3 hrs
- **FIL 2107 Script Analysis** 3 hrs
- **FIL 2423 Foundations of Production** 3 hrs

### 4. Core Requirements: Advanced Level (36 hrs)

- **FIL 3006 Art of the Cinema** 3 hrs
- **FIL 3036 Film History I** 3 hrs
- **FIL 3037 Film History II** 3 hrs
- **FIL 3051 Avant-Garde Cinema** 3 hrs
- **FIL 3462C Cinematic Expression** 3 hrs
- **FIL 3803C Film Theory and Criticism I** 3 hrs
- **FIL 3804C Film Theory and Criticism II** 3 hrs
- **FIL 3826 American Cinema** 3 hrs
- **FIL 3845 World Cinema Traditions** 3 hrs
- **FIL 4661 The Film Producer** 3 hrs

### Select 1:

- **FIL 3102 Writing for Film and TV or FIL 3115 Short Script I** 3 hrs

### 5. Restricted Electives (9 hrs)

- Select three courses from the following upper level FIL courses:
  - A maximum of 6 hours Independent Study and/or internship credit may be used
  - **DIG 4704 Interactive Entertainment** 3 hrs
  - **DIG 4855 Converging Media Capstone** 3 hrs
  - **FIL 3041 History of Animated Films I** 3 hrs
  - **FIL 3820 Italian Film** 3 hrs
  - **FIL 3822 French Film** 3 hrs
  - **FIL 3823 German Film** 3 hrs
  - **FIL 3824 Italian Neo-Realist Cinema** 3 hrs
  - **FIL 3831 Black Cinema** 3 hrs
  - **FIL 3841 French New Wave Cinema** 3 hrs
  - **FIL 3842 International Cinema** 3 hrs
  - **FIL 3847 Latin American Cinema** 3 hrs
  - **FIL 3850 Cinema Directors** 3 hrs
  - **FIL 3852 Cinema Criticism Writing** 3 hrs
  - **FIL 3871 The American Film Artist** 3 hrs
  - **FIL 3880C Images of Women in Film** 3 hrs
  - **FIL 4436 Film Theory/Film Production** 3 hrs
  - **FIL 4906 Directed Independent Study** 3 hrs
  - **FIL 5612 Film and Internet Business** 3 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Met by graduation requirement.

#### Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

- None

### 10. Required Minors

- Must be taken outside the Film Department. (18 hrs min)

### 11. Departmental Exit Requirements

- A student must maintain an overall average of “C” (2.0) or better in major courses.

- Computer competency met by one of the following:

  - **CGS 1060C Introduction to Computer Science** 3 hrs
  - **FIL 1008 Cinematic Expression/Aesthetics** 3 hrs
  - **STA 1060C Basic Statistics Using Microsoft Excel** 3 hrs

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residence at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- **120**

### Honors in Major

- None
Related Programs
- Art
- English - Creative Writing
- Film
- Film - World Cinema Track
- Music
- Radio - Television
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- English - Creative Writing
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Acceptable Substitutes for Transfer Courses

Acceptable substitutes for Common Program Prerequisites
FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken. However, FIL 1007 is a prerequisite for all major courses and must be taken.

Plan of Study
- A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
FIL 1007 Foundations of Story 3 hrs
FIL 2030 History of Motion Pictures 3 hrs
Foreign Language I 4 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
FIL 1009 Cinematic Expression/Aesthetics 3 hrs
FIL 2107 Script Analysis 3 hrs
Foreign Language II 4 hrs

Freshman Year - Summer
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Fall
FIL 2423 Foundations of Production 3 hrs
FIL 3006 Art of the Cinema 3 hrs
FIL 3036 Film History I 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Spring
DIG 2000 Introduction to Digital Media 3 hrs
FIL 3037 Film History II 3 hrs

Take one of the following 3 hrs
FIL 3102 Writing for Film and TV or
FIL 3115 Short Script I 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall
FIL 3363C Film Documentary 3 hrs
FIL 3803C Film Theory and Criticism I 3 hrs
FIL XXXX - Elective 3 hrs
GEP 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 Minor 3 hrs

Senior Year - Fall
FIL 3826 American Cinema 3 hrs
FIL 3845 World Cinema Traditions 3 hrs
FIL XXXX - Elective 3 hrs
Minor 6 hrs

Senior Year - Spring
FIL 3051 Avant-Garde Cinema 3 hrs
FIL XXXX - Elective 3 hrs
Minor 6 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Film - World Cinema Track (B.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.ucf.edu
E-mail: film@mail.ucf.edu
Mr. Steve Schlow
Phone: 407-823-2845

Admission Requirements
- The Film-World Cinema track is a limited access program.
- Students must attain an overall minimum 2.5 GPA before applying.
- Students should apply to become Film majors only after completing all requirements for admission to the University.
- A portfolio and an interview are required for entry into the Film World Cinema track.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in courses within the major.
- A maximum of three credit hours on internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students should consult with a departmental advisor.
- All students are required to pay a fee for equipment insurance.
- Departmental residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from 1.B.1 list 3 hrs
- Prefer one course from 1.B.1 or 1.B.2 list 3 hrs

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

Select 1: (3 hrs)
- Prefer CGS 1060C Introduction to Computer Science or 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Select 2: (3 hrs)
- Prefer one course from 1.B.1 or 1.B.2 list 3 hrs
- Prefer FIL 2030 History of Motion Pictures 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (18 hrs)
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 1009 Cinematic Expression for Majors 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 2480 Directing for Film I 3 hrs
- FIL 2552C Editing I 3 hrs

4. Core Requirements: Advanced Level (39 hrs)
- FIL 3036 Film History I 3 hrs
- FIL 3115 Short Script I 3 hrs
- FIL 3304C Documentary Vision 3 hrs
- FIL 3307 Docudrama 3 hrs
- FIL 3363C Film Documentary 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 3534 Sound Design for Film I 3 hrs
- FIL 3523C Film Theory and Criticism I 3 hrs
- FIL 3945 World Cinema Traditions 3 hrs
- FIL 4301C Documentary Workshop I 3 hrs
- FIL 4302C Documentary Workshop II 3 hrs
- FIL 4602 Film Business 3 hrs
- FIL 4647 Film Production Management 3 hrs

5. Restricted Electives (9 hrs)

Select 3: (9 hrs)
- Additional courses may be acceptable. Consult your advisor.
- FIL 3804C Film Theory and Criticism II or 3 hrs
- FIL 3847 Latin American Cinema or 3 hrs
- FIL 4681 The Film Producer or 3 hrs
- FIL 4808 Images and Text in Context or 3 hrs
- FIL 4844 Africana Cinema 3 hrs

6. Capstone Requirements (6 hrs)
- FIL 4434C Capstone I 3 hrs
- FIL 4573C Capstone II 3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must maintain an overall average of “B” (3.0) or better in courses within the major.
- Department of Film requires a passing grade on an exit examination.
- Computer Competency met by one of the following:
  - CGS 1060C Introduction to Computer Science 3 hrs
  - FIL 2552C Editing I 3 hrs
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Art
- Digital Media
- English - Creative Writing
- Film
- Film - Cinema Studies Track
- Music
- Radio - Television
- Theatre

Certificates
- None

Related Minors
- African American Studies
- Asian Studies
- Digital Media
- English - Creative Writing
- Film - Cinema Studies
- International and Global Studies
- Latin American Area Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for Common Program Prerequisites
  - FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken
  - FIL 1007 may use any introductory film writing course.
- However, FIL 2030 is a prerequisite for all major courses and must be taken

Plan of Study
- None
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.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
http://web.bus.ucf.edu/academics/finance/
Phone: 407-823-3575

Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/

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

Admission Requirements
- Completion of the UCF General Education Program, Golden Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements
- Students who change their degree programs should adopt the most current catalog.
- Only grades "C" (2.0) or higher 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 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)
  - SPC 1608  Fundamentals of Oral Communication 3 hrs
  - ECO 2023  Principles of Macroeconomics or 3 hrs

B: Cultural & Historical Foundations (9 hrs)
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - GEB 303IL Cornerstone Lab: Professional Skills for Business 1 hr

C: Mathematical Foundations (6 hrs)
  - MAC 1140 Pre-Calculus Algebra 3 hrs
  - FIN 4604  International Financial Management 3 hrs

D: Social Foundations (6 hrs)
  - ECO 2031  Principles of Microeconomics 3 hrs
  - Suggested STA 2023 Statistical Methods I 3 hrs

Select 1:
  - Suggested PSY 2012 General Psychology or 3 hrs
  - Suggested SYG 2000 Introduction to Sociology 3 hrs

Select 2:
  - Suggested ANT 2000 General Anthropology or 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.
- A: Communication Foundations (9 hrs)
  - FIN 3403C  Business Finance 4 hrs
  - FIN 3403C  Business Finance 3 hrs
  - ECO 4412  Econometrics or 3 hrs
  - FIN 3641  Financial Statement Analysis or 3 hrs
  - FIN 4524  Commercial Bank Management or 3 hrs
  - FIN 4542  Advanced Topics in Financial Management or 3 hrs
  - FIN 4633  Financial Derivatives or 3 hrs
  - FIN 4604  International Financial Management or 3 hrs

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.
  - ECO 3401  Quantitative Business Tools I 3 hrs
  - or
  - MAC 2233  Concepts of Calculus and 3 hrs
  - STA 2023  Statistical Methods I 3 hrs

3. Core Requirements: Basic 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 3 hrs
- 1 GEB 3031  Cornerstone: Professional Skills for Business 3 hrs
- 1 GEB 303IL Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3375  Introduction to International Business 4 hrs
- ISM 3011C  Essentials of Management Information Systems 4 hrs
- MAN 3025  Management of Organizations 4 hrs
- MAR 3023  Marketing 4 hrs

4. Core Requirements: Advanced Level (18 hrs)
- FIN 3303  Financial Markets 3 hrs
- FIN 3314  Intermediate Corporate Finance 3 hrs
- FIN 3504  Investment Analysis 3 hrs
- FIN 4453  Financial Models 3 hrs

Select 2:
- FIN 4524  Commercial Bank Management or 3 hrs
- FIN 4424  Advanced Topics in Financial Management or 3 hrs
- FIN 4514  Portfolio Analysis and Management or 3 hrs
- FIN 4533  Financial Derivatives or 3 hrs
- FIN 4604  International Financial Management or 3 hrs

5. Restricted Electives (6 hrs)

Select 2:
- ACG 3131  Financial Accounting Concepts and Analysis or 3 hrs
- or
- ACG 3141  Intermediate Financial Accounting II or 3 hrs
- ACG 3361  Cost Accounting I or 3 hrs
- ECO 4412  Econometrics or 3 hrs
- FIN 3641  Financial Statement Analysis or 3 hrs
- FIN 4524  Commercial Bank Management or 3 hrs
- FIN 4542  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 FIN 4903H Honors Directed Reading I or 1 hr
- FIN 4906  Directed Independent Study or 1 hr
- FIN 4941  Finance Internship or 3 hrs
- 1 FIN 4970H Undergraduate Honors Thesis or 1 hr
- GEB 4374  International Negotiations and Transactions or 3 hrs
- MAR 3391  Professional Selling or 3 hrs
- REE 3043  Fundamentals of Real Estate or 3 hrs
- REE 3433  Real Estate Law or 3 hrs
- REE 4103  Real Estate Appraisal and Valuation or 3 hrs
- REE 4203  Commercial Real Estate Finance or 3 hrs

1 Required in 1st or 2nd semester.
UCF Degree Programs

REE 4204 Residential Real Estate Finance or 3 hrs
RE 4303 Real Estate Investment Analysis or 3 hrs
RE 4732 Real Estate Development or 3 hrs
RE 4933 Advanced Topics in Real Estate or 3 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs

1 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu for details.

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

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation
Graduation
None

8. Electives
(variable)

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
None

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residence at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major
None

Related Programs
None

Certificates
Finance: Banking
Finance: Corporate Finance
Finance: Investments

Related Minors
None

Advising Notes
Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
Courses taken at community colleges do not substitute for upper division courses.
Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C”(2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
None

Plan of Study
Must complete nine hours in a summer semester
General electives as required to reach 120 semester hours.
The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
MAC 1105 College Algebra 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Cult-Hist I 3 hrs
Elective 3 hrs

Freshman Year - Spring 15 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ENC 1102 Composition II 3 hrs
Cult-Hist II 3 hrs
Art/Music/Lit 3 hrs
Elective 3 hrs

Sophomore Year - Fall 15 hrs
ACG 2021 Principles of Financial Accounting 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
Science 3 hrs
Psy/Ant/Soc 3 hrs
Elective 3 hrs

Sophomore Year - Spring 15 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
Science 3 hrs
Elective 3 hrs

Junior Year - Fall 16 hrs
FIN 3403C Business Finance 4 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3375 Introduction to International Business 4 hrs
MAR 3023 Marketing 4 hrs

Junior Year - Spring 17 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3303 Financial Markets 3 hrs
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 3504 Investment Analysis 3 hrs
MAN 3025 Management of Organizations 4 hrs

Senior Year - Fall 14 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs
FIN Elective 3 hrs
FIN Elective 3 hrs
## UCF Degree Programs

### Foreign Language Education - French (B.S.)

**College of Education**

**Department of Teaching and Learning Principles,**

**Education Building, Room: 209**

[http://www.education.ucf.edu/language](http://www.education.ucf.edu/language)

Dr. Karen Verkler, ED 220L, kverkler@mail.ucf.edu

Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5235

Phone: 407-823-5235

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement
- Meet the foreign language admission requirement

**Degree Requirements**

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common 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 1010 U.S. History: 1492-1877 3 hrs
   - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   **C: Mathematical Foundations** (6 hrs)

   **Select 1:**
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   - Prefer STA 2014C Principles of Statistics 3 hrs

   **Select 2:**
   - Suggested MGF 1106 Finite Mathematics or 3 hrs
   - Suggested MGF 1107 Explorations in Mathematics 3 hrs

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

   **E: Science Foundations** (6 hrs)
   - Prefer PSC 1121 Physical Science 3 hrs

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)

   **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.

   **Internship I** 3 hrs

   - Program Internship I Prerequisites: 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.

   **EDF 4467** Learning Theory and Assessment 3 hrs
   **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
   **EEX 4242** Teaching Exceptional Students in Secondary Settings 3 hrs
   **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
   **TSL 4080** Theory and Practice of Teaching ESOL Students 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: EDF 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.clinicalexperiences.education.ucf.edu](http://www.clinicalexperiences.education.ucf.edu).

**Specialization Requirements** 33 hrs

1 FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
2 FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs

- Pref FLE 3300 French Grammar 3 hrs
- Pref FLE 3420 French Composition 3 hrs
- Pref FLE 3760 Advanced French Oral Communication 3 hrs
- Pref FLE 4421 Advanced French Conversation 3 hrs
- Pref FLE 4422 Advanced French Composition 3 hrs
- Pref FRW 3100 Survey of French Literature I 3 hrs
- Pref FRW 3101 Survey of French Literature II 3 hrs
- Pref FRW 3431 Survey of French Literature III 3 hrs

1 Required prior to Internship I
2 Pref FLE 3410 and Pref FLE 3423 may substitute for Pref FLE 4421 and Pref FLE 4422.
UCF Degree Programs

Other Cognate Requirements (Linguistics) 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs

Internship II 12 hrs
- At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (French K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- 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.
- FLE 4941 Internship 12 hrs

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
EDF 2065 Introduction to Diversity for Educators 3 hrs
ENC 1102 Composition II 3 hrs
POS 2041 American National Government 3 hrs
PSC 1121 Physical Science 3 hrs

Freshman Year - Summer 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Sophomore Year - Fall 15 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
* EDF 2130 Child and Adolescent Development for Educators 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1: 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel or STA 1060C Principles of Statistics 3 hrs

Sophomore Year - Spring 12 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
FRE 2201 Intermediate French Language and Civilization II 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs
Select 1: 3 hrs
ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Sophomore Year - Summer 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL in Schools 3 hrs

Junior Year - Fall 15 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4110 Teaching Strategies and Classroom Management 3 hrs
FRE 3300 French Grammar 3 hrs
FRE 3420 French Composition 3 hrs
FRW 3100 Survey of French Literature I 3 hrs

Junior Year - Spring 15 hrs
FRE 3760 Advanced French Composition 3 hrs
FRE 3790 Advanced French Oral Communication 3 hrs
FRE 4422 Advanced French Composition 3 hrs
FRW 3101 Survey of French Literature II 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
Junior Year - Summer 9 hrs
1 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
FLE 4333 Foreign Language Teaching in the Secondary School 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
FRE 4421 Advanced French Conversation 3 hrs
Two upper division restricted electives (FRE/FRW 3/4XXX) 6 hrs

Senior Year - Spring 12 hrs
FLE 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

Foreign Language Education - Spanish (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://www.education.ucf.edu/language
E-mail: kverkler@mail.ucf.edu
Dr. Karen Verkler, ED 220L
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-5235

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:
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

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

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

Select 1:
- Prefer ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
1 EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (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: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESL for Students in Schools.
- Prefer EDF 4603 Learning Theory and Assessment 3 hrs
- Prefer EDF 4607 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESL for Students 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 before doing Internship I with a minimum grade of “C-” or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
- FLE 3940 Internship 3 hrs
## UCF Degree Programs

### Specialization Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specialization Requirements</strong></td>
<td>27</td>
</tr>
<tr>
<td>1. FLE 4314 Foreign Language Teaching in Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1. FLE 4333 Foreign Language Teaching in the Secondary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3300 Advanced Spanish Grammar and Composition</td>
<td>3 hrs</td>
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<tr>
<td>SPN 3344 Advanced Spanish Native Fluency I</td>
<td>3 hrs</td>
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<tr>
<td>SPN 3345 Advanced Spanish Native Fluency II</td>
<td>3 hrs</td>
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<tr>
<td>SPN 3420 Spanish Composition</td>
<td>3 hrs</td>
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<tr>
<td>SPN 3760 Advanced Spanish Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. SPW 3100 Survey of Spanish Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. SPW 3101 Survey of Spanish Literature II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Required prior to Internship I
2. SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101.

### Upper Division Restricted Electives

6 hrs
- Community college transfer students may substitute lower division restricted electives.
- Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor’s consent. The following courses are recommended:
  - SPN 4410 Advanced Spanish Conversation: 3 hrs
  - SPN 4421 Advanced Spanish Composition: 3 hrs
  - SPN 4510 Spanish Civilization and Culture: 3 hrs
  - SPN 4520 Latin American Civilization and Culture: 3 hrs

### Other Cognate Requirements

3 hrs
- Select 1:
  - SPN 3852 Bilinguismo or: 3 hrs
  - SPN 4800 Spanish-American Syntax or: 3 hrs
  - SPN 4801 Spanish Morphosyntax: 3 hrs

### Internship II Block

12 hrs
- At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-“ (1.75) or better before registering for Internship II.
- However, a minimum GPA of 2.5 is required in the professional, specializations and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must meet and pass all applicable sections of the Florida Teacher Certification Examination.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- 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.

### Total Semester Hours Required

120
- Honors In Major
- Related Programs
- Certificates
- Related Minors
- Advising Notes
- Transfer Notes
- Acceptable Substitutes for Transfer Courses
- University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Plan of Study

- Recommended Four Year Sequence of Courses

**Freshman Year - Fall**
- EDF 2005 Introduction to the Teaching Profession: 3 hrs
- ENC 1101 Composition I: 3 hrs
- MGF 1106 Finite Mathematics: 3 hrs
- PSY 2012 General Psychology: 3 hrs

**Freshman Year - Spring**
- EDF 2085 Introduction to Diversity for Educators: 3 hrs
- ENC 1102 Composition II: 3 hrs
- POS 2041 American National Government: 3 hrs
- PSC 1121 Physical Science: 3 hrs

**Freshman Year - Summer**
- EME 2040 Introduction to Technology for Educators: 3 hrs

**Sophomore Year - Fall**
- AMH 2010 U.S. History: 1492-1877: 3 hrs
- EDF 2130 Child and Adolescent Development for Educators: 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings: 3 hrs
- SPC 1608 Fundamentals of Oral Communication: 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel: 3 hrs
- STA 2014C Principles of Statistics: 3 hrs

**Sophomore Year - Spring**
- AMH 2020 U.S. History: 1877-Present: 3 hrs
- PHI 2010 Introduction to Philosophy: 3 hrs
- SPN 3234 Advanced Directed Readings: 3 hrs

### Graduation

None

### Bibliography

- Undergraduate Catalog 2010-2011
Forensic Science - Analysis Track (B.S.)

College of Sciences
Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/
E-mail: chemistry@ucf.edu
Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522
Phone: 407-823-2246

Admission Requirements
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
■ Co-op credit cannot be used in this major.
■ Students should consult with a departmental advisor.
■ Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
■ Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
■ Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced.
■ Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)
■ Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)
Required
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Required
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
Required
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

D: Social Foundations (6 hrs)
Required
- BSC 2010C Biology I 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

E: Science Foundations (8 hrs)
Required
- BSC 2010C Biology I 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II GEP
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

NOTE: These courses are considered to be equivalents:
CHM 2045C Chemistry Fundamentals I 4 hrs
or - students with little chemistry background should take this year-long equivalent instead.
CHM 2040C Chemistry Fundamentals I and II 3 hrs
CHM 2041C Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic Level (18 hrs)

Core Science and Math Requirements 18 hrs
BSC 2010C Biology I GEP/CPP
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I GEP/CPP
MAC 2312 Calculus with Analytic Geometry II CPP
PCB 3063 Genetics 3 hrs
PCB 3233 Immunology 3 hrs
PHY 2048C Physics for Engineers & Scientists I GEP/CPP
PHY 2049C Physics for Engineers and Scientists II CPP
STA 2023 Statistical Methods I GEP

University of Central Florida
205 Undergraduate Catalog 2010-2011
4. Core Requirements: Advanced Level (34 hrs)

A. Forensic Science Core: 18 hrs

<table>
<thead>
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<tbody>
<tr>
<td>CHS 3501</td>
<td>Introduction to Forensic Science</td>
<td>3 hrs</td>
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<td>CHS 3505C</td>
<td>Forensic Microscopy</td>
<td>4 hrs</td>
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<td>CHS 353</td>
<td>Forensic Biochemistry I</td>
<td>2 hrs</td>
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<td>CHS 3595</td>
<td>Forensic Science in the Courtroom</td>
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<td>CHS 4537</td>
<td>Forensic Laboratory Quality Assurance</td>
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<tr>
<td>CHS 4591</td>
<td>Forensic Science Internship</td>
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</table>

B. Forensic Analysis Track: 16 hrs

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<tbody>
<tr>
<td>CHM 3422</td>
<td>Applied Physical Chemistry</td>
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<tr>
<td>CHM 4131</td>
<td>Advanced Analytical Laboratory Techniques</td>
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<td>CHM 4130L</td>
<td>Advanced Analytical Chemistry Laboratory</td>
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</tr>
<tr>
<td>CHS 3511C</td>
<td>Trace Evidence</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 3530C</td>
<td>Forensic Analysis of Controlled Substances</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (12 hrs)

Select 12 hours from the following: 12 hrs

- Note: Substitutions require prior approval by the department.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4521C</td>
<td>Forensic Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3212L</td>
<td>Organic Laboratory Techniques II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4912</td>
<td>Directed Independent Research</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHS 4505C</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>CHS 4547C</td>
<td>Advanced Topics in Trace Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063L</td>
<td>Genetics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- 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 used to satisfy categories 2 and 3 of the departmental degree requirements.

- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.

- Computer Competency met by

  - CHS 3505C Forensic Microscopy | 4 hrs
  - CHS 4537 Forensic Laboratory Quality Assurance | 2 hrs

- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF

- Before applying to graduate, the CLAS must be completed.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 124

Honors In Major

- None

Related Programs

- Chemistry
- Forensic Science - Biochemistry Track

Certificates

- None

Related Minors

- Chemistry

Advising Notes

- None

Transfer Notes

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
- Before registering for Math, take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
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</table>

Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</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>CHS 3501</td>
<td>Introduction to Forensic Science</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>
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Sophomore Year - Fall

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPC 1603</td>
<td>Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></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>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
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</table>

Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Elective</td>
<td></td>
<td>1 hr</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>CHS 3505C</td>
<td>Forensic Microscopy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 4537</td>
<td>Forensic Laboratory Quality Assurance</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Junior Year - Spring  
14 hrs  
GEP  
3 hrs  
Restricted Elective  
3 hrs  
CHM 4130 Advanced Analytical Laboratory Technique  
3 hrs  
CHM 4130L Advanced Analytical Chemistry Laboratory  
2 hrs  
CHS 3595 Forensic Science in the Courtroom  
3 hrs  
Senior Year - Fall  
16 hrs  
GEP  
3 hrs  
Free Elective  
1 hr  
Free Elective  
1 hr  
CHM 3422 Applied Physical Chemistry  
3 hrs  
CHS 3530C Forensic Analysis of Controlled Substances  
4 hrs  
CHS 3533 Forensic Biochemistry I  
2 hrs  
PCB 3233 Immunology  
3 hrs  
Senior Year - Spring  
16 hrs  
GEP  
3 hrs  
Restricted Elective  
3 hrs  
Restricted Elective  
3 hrs  
Free Elective  
3 hrs  
CHS 3511C Trace Evidence  
4 hrs  
Senior Year - Summer  
4 hrs  
CHS 4591 Forensic Science Internship  
4 hrs  
Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic-learning_compacts.htm  
Equipment Fees  
- Part-Time Student: $45 per term  
- Full-Time Student: $90 per term  
Forensic Science - Biochemistry Track (B.S.)  
College of Sciences  
Department of Chemistry, Chemistry, Room: 306A  
http://chemistry.cos.ucf.edu/  
E-mail: chemistry@ucf.edu  
Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522  
Phone: 407-823-2246  
Admission Requirements  
- None  
Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.  
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.  
- Co-op credit cannot be used in this major.  
- Students should consult with a departmental advisor.  
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.  
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.  
- Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced.  
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.  
1. UCF General Education Program (GEP)  
(39 hrs)  
- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.  
A: Communication Foundations  
(9 hrs)  
Required  ENC 1101 Composition I  
3 hrs  
Required  ENC 1102 Composition II  
3 hrs  
Preferred  SPC 1603 Fundamentals of Technical Presentations  
3 hrs  
B: Cultural & Historical Foundations  
(9 hrs)  
C: Mathematical Foundations  
(7 hrs)  
Required  MAC 2311 Calculus with Analytic Geometry I  
4 hrs  
Required  STA 2023 Statistical Methods I  
3 hrs  
D: Social Foundations  
(6 hrs)  
E: Science Foundations  
(8 hrs)  
Required  BSC 2010C Biology I  
4 hrs  
Required  PHY 2048C Physics for Engineers & Scientists I  
4 hrs  
2. Common Program Prerequisites (CPP)  
(16 hrs)  
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  
BSC 2010C Biology I  
GEP  
CHM 2045C Chemistry Fundamentals I  
4 hrs  
CHM 2046 Chemistry Fundamentals II  
3 hrs  
CHM 2046L Chemistry Fundamentals Laboratory  
1 hr  
MAC 2311 Calculus with Analytic Geometry I  
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  
NOTE: These courses are considered to be equivalents:  
CHM 2045C Chemistry Fundamentals I  
4 hrs  
or - students with little chemistry background should take this year long equivalent instead.  
CHM 2041C Chemistry Fundamentals IB  
3 hrs  
CHM 2041C Chemistry Fundamentals IB  
3 hrs  
3. Core Requirements: Basic Level  
(20 hrs)  
Core Science and Mathematics Requirements  
BSC 2010C Biology I  
GEP  
CHM 2210 Organic Chemistry I  
3 hrs  
CHM 2211 Organic Chemistry II  
3 hrs  
CHM 2211L Organic Laboratory Techniques I  
2 hrs  
CHM 3120 Analytical Chemistry  
3 hrs  
CHM 3120L Analytical Chemistry Laboratory  
1 hr  
MAC 2311 Calculus with Analytic Geometry I  
GEP/CPP  
MAC 2312 Calculus with Analytic Geometry II  
CPP  
PCB 3063 Genetics  
3 hrs  
PCB 3063L Genetics Laboratory  
1 hr  
PCB 3233 Immunology  
3 hrs  
PCB 3233L Immunology Laboratory  
1 hr  
PHY 2048C Physics for Engineers & Scientists I  
GEP/CPP  
PHY 2049C Physics for Engineers and Scientists II  
CPP  
STA 2023 Statistical Methods I  
GEP  
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 3533L Forensic Biochemistry I Laboratory  
1 hr  
CHS 4534C Forensic Biochemistry II  
3 hrs  
MCB 3020C General Microbiology  
5 hrs  
PCB 3522 Molecular Biology I  
3 hrs  
PCB 4524 Molecular Biology II  
3 hrs  
5. Restricted Electives  
(3 hrs)  
Any course approved by the Forensic Program advisor.  
3 hrs  
6. Capstone Requirements  
- None  
NOTE: All courses must be completed with a grade of C- or better.
## UCF Degree Programs

### 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 Requirements
- None

### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2, 3, 4 and 5 of the departmental degree requirements.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - CHS 3505C: Forensic Microscopy 4 hrs
  - CHS 4537: Forensic Laboratory Quality Assurance 2 hrs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 124

### Honors In Major
- None

### Related Programs
- Chemistry
- Forensic Science - Analysis Track
- Molecular Biology and Microbiology

### Certificates
- None

### Related Minors
- Chemistry
- Molecular Biology and Microbiology

### Advising Notes
- None

### Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

### Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
- Before registering for Math, take Math Placement Test – http://mathplacement.sdes.ucf.edu/

#### Freshman Year - Fall
- BSC 2010C: Biology I 4 hrs
- ENC 1101: Composition I 3 hrs
- MAC 2311: Calculus with Analytic Geometry I 4 hrs

#### Freshman Year - Spring
- CHM 2046: Chemistry Fundamentals Laboratory 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- CHS 3501: Introduction to Forensic Science 3 hrs
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- PHY 2048C: Physics for Engineers & Scientists I 4 hrs

#### Sophomore Year - Fall
- GEP
- CHM 2210: Organic Chemistry I 3 hrs
- PHY 2049C: Physics for Engineers and Scientists II 4 hrs
- SPC 1603: Fundamentals of Technical Presentations 3 hrs
- STA 2023: Statistical Methods I 3 hrs

#### Sophomore Year - Spring
- GEP
- CHM 2211: Organic Chemistry II 3 hrs
- CHM 2211L: Organic Laboratory Techniques I 2 hrs
- MCB 3020C: General Microbiology 5 hrs

#### Junior Year - Fall
- Restricted Elective 3 hrs
- Free Elective 1 hr
- CHS 3505C: Forensic Microscopy 4 hrs
- CHS 4537: Forensic Laboratory Quality Assurance 2 hrs
- PCB 3063: Genetics 3 hrs
- PCB 3063L: Genetics Laboratory 1 hr

#### Junior Year - Spring
- GEP 3 hrs
- CHM 3120: Analytical Chemistry 3 hrs
- CHM 3120L: Analytical Chemistry Laboratory 1 hr
- CHS 3595: Forensic Science in the Courtroom 3 hrs
- ENC 1102: Composition II 3 hrs

#### Senior Year - Fall
- BCH 4053: Biochemistry I 3 hrs
- CHS 3533: Forensic Biochemistry I 2 hrs
- CHS 3533L: Forensic Biochemistry I Laboratory 1 hr
- PCB 3233: Immunology 3 hrs
- PCB 3233L: Immunology Laboratory 1 hr
- PCB 3222: Molecular Biology I 3 hrs
- PCB 4524: Molecular Biology II 3 hrs

#### Senior Year - Spring
- GEP 3 hrs
- BCH 4054: Biochemistry II 3 hrs
- BCH 4103L: Biochemical Methods 2 hrs
- BSC 3403C: Quantitative Biological Methods 4 hrs
- CHS 4534C: Forensic Biochemistry II 3 hrs

#### Senior Year - Summer
- 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.oecas.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://mlc.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)
      Required: MGF 1106 Finite Mathematics 3 hrs
      STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
      
      (may substitute a higher level math)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (14 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (21 hrs)
   FCL 3730 Romance Philology 3 hrs
   1 FRE 3300 French Grammar 3 hrs
   1 FRE 3780 French Phonetics and Diction 3 hrs
   FRW 3100 Survey of French Literature I 3 hrs

   Select 1: 3 hrs
   1 FRE 3420 French Composition or
   FRE 4422 Advanced French Composition

   Select 1: 3 hrs
   1 FRE 3760 Advanced French Oral Communication or
   FRE 4421 Advanced French Conversation

   Select 1: 3 hrs
   FRW 310L Survey of French Literature II or
   FRW 3770 Francophone Literature 3 hrs

1 A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

5. Restricted Electives (15 hrs)
   French literature beyond the survey level (taught in French) 6 hrs
   French courses 9 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- Met by graduation requirements.

Graduation
- Met by Common Program Prerequisites

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Modern Language Combination
- Spanish
UCF Degree Programs

Certificates
- None

Related Minors
- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

General Business (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu/
E-mail: uss@bus.ucf.edu
Phone: 407-823-2184

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

Admission Requirements
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College.
- See Common Program Prerequisites

Degree Requirements
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.

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

A: Communication Foundations (9 hrs)
- Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Required MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Required ECO 2013 Principles of Macroeconomics or 3 hrs
  - Required ECO 2023 Principles of Microeconomics 3 hrs
- Select 1:
  - Suggested ANT 2000 General Anthropology or 3 hrs
  - Suggested PSY 2012 General Psychology or 3 hrs
  - Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
- 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

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 or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students must receive a “C” (2.0) in both MAC 2233 and STA 2023 to be waived from ECO 3401.
- ECO 3401 Quantitative Business Tools I 3 hrs
- or MAC 2233 Concepts of Calculus and 3 hrs
- STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (0 hrs)
- 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 4 hrs
  - ECO 3411 Quantitative Business Tools II and 4 hrs
  - FIN 3403C Business Finance and 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business and 3 hrs
  - GEB 3031L Cornerstone Lab: Professional Skills for Business and 1 hr
  - GEB 3375 Introduction to International Business and 4 hrs
  - ISM 3011C Essentials of Management Information Systems and 4 hrs
  - MAN 3025 Management of Organizations and 4 hrs
  - MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester.

Second Level Core 15 hrs
- Students must take one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, Management Information Systems, and Marketing.
- These five courses are restricted to the courses listed below:

Finance 3 hrs
- FIN 3303 Financial Markets or 3 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3504 Investment Analysis 3 hrs

Other areas include:
- Accounting and Auditing
- Finance
- Management Information Systems
- Management
- Marketing
- Economics
- Business Law
- On-line courses are acceptable.

For further information on required courses, please see the College of Business Administration section in the Undergraduate Catalog 2010-2011.
Management
- GEB 3113 How to Start a Business or
- MAN 3301 Management of Human Resources or
- MAN 4240 Organizations: Theory and Behavior or
- MAN 4441 Conflict Resolution and Negotiation

Management Information Systems
- ISM 3253 MIS Techniques or
- ISM 4153C Enterprise Information Systems or
- ISM 4154 Enterprise Application Development

Marketing
- MAR 3403 Sales Force Management or
- MAR 3613 Marketing Analysis and Research or
- MAR 4156 International Marketing or
- MAR 4841 Services Marketing

Economics
- ECP 4703 is required. The other two courses are restricted electives only. With permission of an Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. The substitution must be petitioned and have written approval.
- ECO 3223 Money and Banking and
- ECP 3203 Labor Economics and
- ECP 4703 Managerial Economics

5. Restricted Electives (9 hrs)
- Restricted electives are to be taken from two different departments and from the courses listed above, at least two of the restricted electives must be at the 4000 level.

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- General electives as required to reach 120 semester hours.

9. Additional Requirements
- Students desiring to complete the General Business major as a second major within the College of Business Administration must complete 24 hours in the second major beyond the courses required for the General Business major.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

UCF Degree Programs

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 year of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

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.

Acceptable Substitutes for Transfer Courses
- ACG 2021-Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study

Freshman Year - Fall 15 hrs
- ENC 1111 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

1 Must complete nine hours in a summer term.

Sophomore Year - Fall 15 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

1 “C” (2.0) or better grade required in each class. Student should choose one major in one of the two areas of study below.

Freshman Year - Spring 15 hrs
- CGS 1100C Computer Fundamentals for Business 3 hrs
- ENC 1112 Composition II 3 hrs
- MAC 1105 College Algebra 3 hrs

Sophomore Year - Fall 15 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs

 plan of study for university of central florida
UCF Degree Programs

Junior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- HIM 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Junior Year - Spring
- ECO 3403 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAR 3023 Marketing 4 hrs

Senior Year - Fall
- GEB 3375 Introduction to International Business 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

General Business - A.S. to B.S. Track (B.S.B.A.)

Health Informatics and Information Management (B.S.)

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring.
- Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida Public University/ Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (37 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (7 hrs)
   Suggested  BSC 2010C Biology I 4 hrs
   Suggested  STA 2014C Principles of Statistics 3 hrs
   Suggested  CHM 1032 General Chemistry 3 hrs

2. Common Program Prerequisites (CPP) (17 hrs)
   - 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
   - 1 CGS 2100C Computer Fundamentals for Business 3 hrs
   - PCB 3703C Human Physiology 4 hrs
   - STA 2014C Principles of Statistics 3 hrs
   - 1 ZOO 3733C Human Anatomy 4 hrs

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (66 hrs)
   - HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
   - HIM 3116C Health Record Organization and Management 4 hrs
   - HIM 3806C Professional Practice Experience I 3 hrs
   - HIM 4226C Coding Procedures I 5 hrs
   - HIM 4256C Coding Procedures II 3 hrs
   - HIM 4344C Health Information Department Management 4 hrs
   - HIM 4508C Quality Management 3 hrs
   - HIM 4656C Health Information Management Systems 3 hrs
   - HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
   - HIM 4816C Professional Practice Experience II 3 hrs
   - HIM 4838 Management Affiliation 5 hrs
   - HSA 3170 Health Care Finance 3 hrs
   - HSA 4109 Principles of Managed Care 3 hrs
   - HSA 4191 Health Care Automation 3 hrs
   - HSA 4702 Health Sciences Research Methods 3 hrs
   - HSC 3147 Introduction to Pharmacology 3 hrs
   - HSC 3537 Medical Terminology 3 hrs
   - HSC 4555 Pathophysiologic Mechanisms 3 hrs
   - HSC 4652 Health Law and Ethics 3 hrs

Select 1: 3 hrs
- HSA 4180 Organization & Management for Health Care Agencies I or
- MAN 3025 Management of Organizations 4 hrs

5. Restricted Electives (0 hrs)
   - None

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Notes:
- Students take 3 elective courses from approved list described above.
- General Education Program: 37 hours
- Core Requirements: Basic Level: 0 hours
- Core Requirements: Advanced Level: 66 hours

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Undergraduate Catalog 2010-2011
# Plan of Study

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
</table>
| **Freshman Year - Fall** | 14 hrs | CHM 1032  General Chemistry   3 hrs  
ENC 1101  Composition I    3 hrs  
HSC 2000  Introduction to the Allied Health Professions  2 hrs  
MAC 1105  College Algebra  3 hrs |

**Freshman Year - Spring**

<table>
<thead>
<tr>
<th></th>
<th>16 hrs</th>
</tr>
</thead>
</table>
| BSC 2010C  Biology I    4 hrs  
ENC 1102  Composition II  3 hrs  
STA 2014C  Principles of Statistics  3 hrs |

**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th></th>
<th>13 hrs</th>
</tr>
</thead>
</table>
| ACG 2021  Principles of Financial Accounting  3 hrs  
CGS 2100C  Computer Fundamentals for Business  3 hrs  
ZOO 3733C  Human Anatomy  4 hrs |

**Sophomore Year - Spring**

<table>
<thead>
<tr>
<th></th>
<th>13 hrs</th>
</tr>
</thead>
</table>
| ACG 2071  Principles of Managerial Accounting  3 hrs  
PCB 3703C  Human Physiology  4 hrs  
SPC 1608  Fundamentals of Oral Communication  3 hrs |

**Junior Year - Fall**

<table>
<thead>
<tr>
<th></th>
<th>15 hrs</th>
</tr>
</thead>
</table>
| HIM 3006  Foundations of Health Information Management (HIM)  3 hrs  
1 HSA 4191  Health Care Automation  3 hrs  
1 HSC 3537  Medical Terminology  3 hrs  
1 HSC 4555  Pathophysiologic Mechanisms  3 hrs |

**Junior Year - Spring**

<table>
<thead>
<tr>
<th></th>
<th>15 hrs</th>
</tr>
</thead>
</table>
| HIM 3116C  Health Record Organization and Management  4 hrs  
HIM 3806C  Professional Practice Experience I  3 hrs  
HIM 4226C  Coding Procedures I  5 hrs  
HSC 3147  Introduction to Pharmacology  3 hrs |

**Junior Year - Summer**

<table>
<thead>
<tr>
<th></th>
<th>6 hrs</th>
</tr>
</thead>
</table>
| HSA 4109  Organization & Management for Health Agencies I or  3 hrs  
1 MAN 3025  Management of Organizations  4 hrs |

1 The asterisked courses may be taken at any time during the two years. Certain HIIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

<table>
<thead>
<tr>
<th></th>
<th>13 hrs</th>
</tr>
</thead>
</table>
| HIM 4256C  Coding Procedures II  3 hrs  
HIM 4344C  Health Information Department Management  4 hrs  
HIM 4508C  Quality Management  3 hrs  
HIM 4656C  Health Information Management Systems  3 hrs |
Senior Year - Spring 12 hrs
HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
HIM 4816 Professional Practice Experience II 3 hrs
1 HSA 3170 Health Care Finance 3 hrs
1 HSA 4702 Health Sciences Research Methods 3 hrs

1 The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semesters 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: 203
http://www.cohpa.ucf.edu/health.pro/hsgbs.cfm
TBD
Phone: 407-823-2214

The Health Sciences-Pre-Clinical Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level programs in physical therapy, occupational therapy, and physician assistant. Students in this program must be planning to attend graduate school after graduation.

Admission Requirements
- None

Degree Requirements
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- Students should complete the General Education Program and the Program Prerequisites requirements before transferring within the Florida Public University/Community College System.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- Students must earn at least a “C” (2.0) in each course accepted as a Program Prerequisite and Core Requirement (see sections 2, 3 and 4 below).
- No transfer course will be accepted with a grade lower than a “C.”
- Students should have access to a personal computer, modem, and software in order to interact with the instructional faculty.
- Courses in math, biology, chemistry and physics listed are the minimum levels. Students with adequate preparation are encouraged to enroll in higher course levels in the discipline.
- Students should consult with a college advisor each semester.

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

A: Communication Foundations (9 hrs)
Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select 1:
- Required MUL 2100 Enjoyment of Music 3 hrs
- Required PHI 2010 Introduction to Philosophy 3 hrs
- Required REL 2300 World Religions or 3 hrs
- Required THE 2000 Theatre Survey 3 hrs

C: Mathematical Foundations (6 hrs)
Required MAC 1105 College Algebra 3 hrs
Select 1:
- Required STA 2023 Statistical Methods I 3 hrs
- Required STA 2043 Principles of Statistics or 3 hrs

D: Social Foundations (6 hrs)
Required PSY 1010 General Psychology 3 hrs
Select 1:
- Required ECO 2013 Principles of Macroeconomics or 3 hrs
- Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (8 hrs)
Required BSC 2010C Biology I 4 hrs
Required PHY 2053C College Physics I 4 hrs

2. Common Program Prerequisites (CPP) (0 hrs)
BSC 2010C Biocalculus 4 hrs
MAC 1114 College Algebra 3 hrs
PSY 2012 General Psychology 3 hrs

Select 1:
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I or 3 hrs

Select 1:
- Required ECO 2013 Principles of Macroeconomics or 3 hrs
- Required ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level (32 hrs)
CHM 2456 Chemistry Fundamentals I 4 hrs
CHM 2456 Chemistry Fundamentals II 3 hrs
CHM 246L Chemistry Fundamentals Laboratory 1 hr
CHM 2205 Introduction to Organic and Biochemistry 5 hrs
DEP 2004 Developmental Psychology 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
HUN 2002 Modern Concepts in Nutrition 3 hrs
MCH 2104 Medical Microbiology for Health Professionals 4 hrs
PHY 2053C College Physics I 4 hrs
PHY 2054C College Physics II 4 hrs

Select 1:
- Required CGS 1060C Introduction to Computer Science or 3 hrs
- Required CGS 2100C Computer Fundamentals for Business 3 hrs

4. Core Requirements: Advanced Level (29 hrs)
Basic and Health Sciences (14 hrs)
HSC 3147 Introduction to Pharmacology 3 hrs
HSC 4555 Pathophysiologic Mechanisms 3 hrs
PCB 3703C Human Physiology 4 hrs
ZOO 3733C Human Anatomy 4 hrs

Health Services (15 hrs)
HIM 4508C Quality Management 3 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 4500 Epidemiology 3 hrs
HSC 4652 Health Law and Ethics 3 hrs

5. Restricted Electives (21 hrs)
A minimum of 7 courses from the list below:
- Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of science classes.

BCH 4053 Biochemistry I 3 hrs
HSA 3430 Health Care Economics 3 hrs
HSA 4180 Organization & Management for Health 3 hrs
Agencies II 3 hrs
HSC 3110 Medical Self Assessment 3 hrs
### 6. Capstone Requirements

- None

#### 7. Foreign Language Requirements

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

**Graduation**
- None

**8. Electives**
- Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose courses that are prerequisites for specific graduate clinical programs of interest.

#### 9. Additional Requirements

- None

#### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective (see sections 3 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.

- Students must take a minimum of 30 hours of upper-division courses from the Health Sciences Pre-Clinical major to obtain the UCF degree in Health Sciences-Pre-Clinical Track.

- Students are required to have a personal interview after filing Intent to Graduate form online.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

### Honors in Major

- Interested students should consult with a faculty advisor

### Related Programs

- The participating student may also consider applying for consideration to one or more of the following undergraduate professional degree options:
  - Health Informatics and Information Management
  - Health Services Administration
  - This program is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant.

- Students should consult a pre-professional advisor before making application to a graduate program.

### Certificates

- None

#### Related Minors

- Biology
- Chemistry
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology

### Advising Notes

- None

### Transfer Notes

- Completion of a Florida public community college Associate of Arts Degree is strongly recommended. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

- Students who begin a two-semester sequence course (e.g. General Chemistry) at a Florida public community college are strongly encouraged to complete the course before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Organic Chemistry I (CHM 2210) and Organic Chemistry II (CHM 2211) with labs at a Florida community college in order to meet the University’s requirement for Intro to Organic and Biochemistry (CHM 2205).

- Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit.

### Acceptable Substitutes for Transfer Courses

- None

#### Plan of Study

**Freshman Year - Fall**
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs

**Select 1:**
- CGS 1060C Introduction to Computer Science 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs

1. SLS 2311C (2hrs) is recommended for preprofessional students as a substitution in Spring term.

**Freshman Year - Spring**
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- CHM 2046 Chemistry Fundamentals II and 5 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

**Take all of the following:**

- MAC 1114 College Trigonometry 3 hrs

**Freshman Year - Summer**
- MAC 1114 College Trigonometry 3 hrs

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**UCF Degree Programs**
Sophomore Year - Fall 16 hrs
HUN 2002 Modern Concepts in Nutrition 3 hrs
PHY 2053C College Physics I 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1: 3 hrs
AMH 2010 U.S. History: 1492-1877 or
EUH 2000 Western Civilization I or
HUM 2210 Humanistic Tradition I or
Select 1: 3 hrs
STA 2014C Principles of Statistics or
STA 2023 Statistical Methods I
Sophomore Year - Spring 17 hrs
MCG 2004C Microbiology for Health Professionals 4 hrs
PHY 2054C College Physics II 4 hrs
Select 1: 3 hrs
MUL 2010 Enjoyment of Music or
PHI 2010 Introduction to Philosophy or
REL 2300 World Religions or
THE 2000 Theatre Survey
Select 1: 3 hrs
STA 2023C Principles of Statistics
STA 2014C Principles of Statistics or
Sophomore Year - Summer
If not satisfied in high school:
Foreign Language 4 hrs
Foreign Language 4 hrs
Junior Year - Fall 16 hrs
Restricted Elective 3 hrs
DEP 2004 Developmental Psychology 3 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
ZOO 3733C Human Anatomy 4 hrs
Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
CHM 2205 Introduction to Organic and Biochemistry 5 hrs
HSC 4652 Health Law and Ethics 3 hrs
PCB 3703C Human Physiology 4 hrs
Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
HSC 4702 Health Sciences Research Methods 3 hrs
HSC 4555 Pathophysiological Mechanisms 3 hrs
Senior Year - Spring 12 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
HIM 4508C Quality Management 3 hrs
HSC 4500 Epidemiology 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
Health Services Administration (B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/
E-mail: hsainfo@mail.ucf.edu
Dr. Kendall Cortelyou-Ward, Undergraduate Program Director
Dr. Myron Fottler, Exec. Director of HSA Programs
Phone: 407-823-2359
This program is currently available online and in the classroom.
Students who choose to take online courses are urged to complete either CGS 2100C or CGS 1060C prior to enrolling in online-based courses. After enrolling in online courses, students should visit http://learn.ucf.edu. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrib.ucf.edu/home.
Admission Requirements
None
Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog
Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
Students should consult with a departmental advisor prior to first semester of enrollment.
The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
UCF Residency Requirement: 30 hours
HSA Residency Requirement: Students must complete at least 45 credit hours of the core requirements at UCF in the department of Health Management and Informatics.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Suggested MAC 1105 College Algebra 3 hrs
Select 1: 3 hrs
Suggested CGS 2100C Introduction to Computer Science or
Suggested CGS 2100C Computer Fundamentals for Business 3 hrs
D: Social Foundations (6 hrs)
Suggested ECO 2023 Principles of Microeconomics 3 hrs
Select 1: 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.
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 2023 Principles of Microeconomics GEP
STA 2023 Statistical Methods I 3 hrs
Select 1: 0 hr
CGS 1060C Introduction to Computer Science or
CGS 2100C Computer Fundamentals for Business GEP
### UCF Degree Programs

**University of Central Florida**

**Undergraduate Catalog 2010-2011**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Core Requirements: Basic Level</td>
<td>(0 hrs)</td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
<tr>
<td>4. Core Requirements: Advanced Level</td>
<td>(48 hrs)</td>
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<tr>
<td>Students must earn a “C” (2.0) or better in each Core Requirement</td>
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<tr>
<td>HIM 4508C  Quality Management</td>
<td>3 hrs</td>
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<tr>
<td>HSA 3111  U.S. Health Care Systems</td>
<td>3 hrs</td>
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<tr>
<td>HSA 3170  Health Care Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3222  Long Term Care and Administration</td>
<td>3 hrs</td>
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<tr>
<td>HSA 3430  Health Care Economics</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4109  Principles of Managed Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4180  Organization &amp; Management for Health Agencies I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4184  Organization &amp; Management for Health Agencies II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4191  Health Care Automation</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4702  Health Sciences Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4941  Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3537  Medical Terminology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4201  Community Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4500  Epidemiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4564  Health Care Needs of the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4652  Health Law and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>5. Restricted Electives</td>
<td>(0 hrs)</td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
<tr>
<td>6. Capstone Requirements</td>
<td>(3 hrs)</td>
</tr>
<tr>
<td>HSA 4939  Health Services Administration Capstone</td>
<td>3 hrs</td>
</tr>
<tr>
<td>7. Foreign Language Requirements</td>
<td></td>
</tr>
<tr>
<td>Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.</td>
<td></td>
</tr>
<tr>
<td>8. Electives</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>9. Additional Requirements</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
<tr>
<td>10. Required Minors</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
<tr>
<td>11. Departmental Exit Requirements</td>
<td></td>
</tr>
<tr>
<td>Students must earn a “C” (2.0) or better in each Health Services Administration course.</td>
<td></td>
</tr>
<tr>
<td>12. University Minimum Exit Requirements</td>
<td></td>
</tr>
<tr>
<td>A 2.0 UCF GPA</td>
<td></td>
</tr>
<tr>
<td>60 semester hours earned after CLEP awarded</td>
<td></td>
</tr>
<tr>
<td>48 semester hours of upper division credit completed</td>
<td></td>
</tr>
<tr>
<td>30 of the last 39 hours of course work must be completed in residence at UCF</td>
<td></td>
</tr>
<tr>
<td>A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted. Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)</td>
<td></td>
</tr>
<tr>
<td>Total Semester Hours Required</td>
<td>120</td>
</tr>
<tr>
<td>Honors in Major</td>
<td></td>
</tr>
<tr>
<td>Interested students should consult with a faculty advisor.</td>
<td></td>
</tr>
</tbody>
</table>
History (B.A.)

**College of Arts and Humanities**

Department of History, Colbourn Hall, Room: 551  
http://www.history.cah.ucf.edu/  
E-mail: history@mail.ucf.edu  
Dr. Rosalind J. Beiler  
Phone: 407-823-2225

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

<table>
<thead>
<tr>
<th>Sophomore Year - Summer</th>
<th>8 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective/Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 Foreign Language</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective/Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems 3 hrs</td>
</tr>
<tr>
<td>HSA 4191</td>
<td>Health Care Automation 3 hrs</td>
</tr>
<tr>
<td>HSC 3537</td>
<td>Medical Terminology 3 hrs</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>Community Health 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective/Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4508C</td>
<td>Quality Management 3 hrs</td>
</tr>
<tr>
<td>HSA 3430</td>
<td>Health Care Economics 3 hrs</td>
</tr>
<tr>
<td>HSA 4184</td>
<td>Organization &amp; Management for Health 3 hrs</td>
</tr>
<tr>
<td>HSA 4702</td>
<td>Health Sciences Research Methods 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

**History (B.A.)**

**Department of History, Colbourn Hall, Room: 551**  
http://www.history.cah.ucf.edu/  
E-mail: history@mail.ucf.edu  
Dr. Rosalind J. Beiler  
Phone: 407-823-2225

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**1. UCF General Education Program (GEP)** (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)
    - Prefer CGS 1060C Introduction to Computer Science 3 hrs
    - Prefer MGF 1106 Finite Mathematics 3 hrs
    - 1 (may substitute a higher level math)
  - D: Social Foundations (6 hrs)
  - E: Science Foundations (6 hrs)
  - 2. Common Program Prerequisites (CPP) (0 hrs)
  - See "Common Prerequisites" in the Transfer and Transitions 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
    - 5. Restricted Electives (21 hrs)
      - (Must be taken within the History Department)
    - Select six hours of approved history courses within three of 4 geographic regions
      - Asian, African, and Middle Eastern 6 hrs
      - British and European 6 hrs
      - Latin American 6 hrs
      - U.S. and Canadian 6 hrs
    - Select three hours of approved history courses
  - 6. Capstone Requirements
    - None
  - 7. Foreign Language Requirements
    - Admissions
      - Met by graduation requirement
    - Graduation
      - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.
  - 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.

---

**Department of History, Colbourn Hall, Room: 551**

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

E-mail: history@mail.ucf.edu

Dr. Rosalind J. Beiler

Phone: 407-823-2225

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

- A: Communication Foundations (9 hrs)

**Department of History, Colbourn Hall, Room: 551**

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

E-mail: history@mail.ucf.edu

Dr. Rosalind J. Beiler

Phone: 407-823-2225

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

- A: Communication Foundations (9 hrs)
UCF Degree Programs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Honors In Major

- None

Related Programs

- Humanities

Certificates

- None

Related Minors

- African American Studies
- American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Women's Studies

Advising Notes

- None

Transfer Notes

- Grades below "C" (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Equivalent Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 AMH 2010 is a prerequisite for subsequent American History courses.
2 AMH 2020 is a prerequisite for subsequent American History courses.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</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>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 1060C Introduction to Computer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 1120C Elementary Spanish Language and Civilization I</td>
<td>4 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>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>
</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>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>
</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

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Hospitality Management (B.S.)

Rosen College of Hospitality Management
Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements

- None

Degree Requirements

- None

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105 College Algebra</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: (3 hrs)

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

D: Social Foundations

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
## UCF Degree Programs

### as outlined below to satisfy the restricted elective requirement.

Management Specialized Tracks offered by the Rosen College

- Offered by the Rosen College of Hospitality Management B.S. and/or Event Management B.S.) offered by the other two degree programs (Restaurant and Foodservice Management B.S. or restricted electives at UCF.

### E: Science Foundations

(6 hrs)

#### 2. Common Program Prerequisites (CPP)

(3 hrs)

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

HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

#### 3. Core Requirements: Basic Level

(34 hrs)

Hospitality Management Core 34 hrs

- FSS 2212C Techniques of Food Preparation 4 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs

Quantitative Tools

- MAC 1105 College Algebra GEP
- Select 1: 0 hr
  - CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I GEP
- Select 1: 0 hr
  - ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics GEP

#### 4. Core Requirements: Advanced Level

(21 hrs)

Sectoral Core (Choose 6 of the Following 7) 18 hrs

- HFT 2254 Lodging Operations or 3 hrs
- HFT 2750 The Event Industry or 3 hrs
- HFT 3263 Restaurant Management or 3 hrs
- HFT 3273 Principles of Resort Timesharing or 3 hrs
- HFT 3700 Tourism Management or 3 hrs
- HFT 4277 Yacht, Country, And City Club Management or 3 hrs
- HFT 4755 Theme Park and Attraction Management 3 hrs

Internships

- HFT 3940 Internship 1 hr
- HFT 4941 Internship 1 hr
- HFT 4944 Practicum 1 hr

#### 5. Restricted Electives

(15 hrs)

- Students should select one of the following track options to fulfill their restricted electives requirement

Restricted Electives 15 hrs

- Students must take 15 credit hours (five courses) of Hospitality Management courses in the restricted electives of the other two degree programs (Restaurant and Foodservice Management B.S. or/and Event Management B.S.) offered by the Rosen College.
- Please note: No more than three courses (nine credit hours) may be taken from the restricted electives of either one of these two other degree programs of the Rosen College of Hospitality Management.

Or

Specialized Tracks 15 hrs

- Students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

### Theme Park and Attraction Management Track

15 hrs

- HFT 3784 Amusement Technology or 3 hrs
- HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry or 3 hrs
- HFT 4614 Risk Management in Theme Parks and Attractions or 3 hrs
- HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry or 3 hrs
- HFT 4759 Product Development in Theme Parks and Attractions or 3 hrs
- HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry or 3 hrs
- HFT 4787 Operational Issues in the Theme Park and Attraction Industry or 3 hrs
- HFT 4795 Entertainment Arts and Events 3 hrs

### Golf and Club Management Track

15 hrs

- HFT 1350 Career & Promotional Development in Golf or 3 hrs
- HFT 1356 Concepts and Practices of Golf Associations or 3 hrs
- HFT 2359 Design & Maintenance of Golf Equipment or 3 hrs
- HFT 3353 Golf Planning & Operations I or 3 hrs
- HFT 3354 Agronomy for Golf Course Management or 3 hrs
- HFT 3355 Golf Planning & Operations II or 3 hrs
- HFT 3357 Golf Event Operations or 3 hrs
- HFT 3384 Golf and Club Enterprises Management or 3 hrs
- HFT 4358 Golf Course Facility Design 3 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation

- None

### 8. Electives

- 3-11 hours as necessary to result in 120 total credit hours.

### 9. Additional Requirements

- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

- Honors In Major

- None

- Related Programs

- None
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

Plan of Study
- Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

Select 1:
- CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring
- ANT 2511 The Human Species 3 hrs
- HFT 2254 Lodging Operations or ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Fall
- AST 2002 Astronomy 3 hrs
- HFT 2750 The Event Industry 3 hrs

Select 1:
- HFT 2254 Lodging Operations or FSS 2221C Techniques of Food Preparation 4 hrs

Sophomore Year - Spring
- ANT 2511 The Human Species 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs

Junior Year - Fall
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3940 Internship 1 hr

Junior Year - Spring
- HFT 4941 Internship 1 hr

Select 4:
- HFT 2254 Lodging Operations or HFT 2750 The Event Industry or HFT 3263 Restaurant Management or HFT 3273 Principles of Resort Timesharing or HFT 3700 Tourism Management or HFT 4277 Yacht, Country, And Club Management or HFT 4755 Theme Park and Attraction Management 3 hrs

Senior Year - Fall
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4944 Practicum 1 hr

Senior Year - Spring
- HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

Hospitality Management - A.S. to B.S. Track (B.S.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Hospitability Management - A.S. to B.S. Track (B.S.)

Humanities (B.A.)

College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220

E-mail: philosophy@mail.ucf.edu

Dr. Doug Evans
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)

B: Cultural & Historical Foundations (9 hrs)
Suggested HUM 2210 Humanistic Tradition I 3 hrs
Suggested HUM 2230 Humanistic Tradition II 3 hrs

Select 1: (3 hrs)
- Prefer PHI 2010 Introduction to Philosophy or
- Prefer REL 2300 World Religions 3 hrs
UCF Degree Programs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 2060C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
- None

3. Core Requirements: Basic Level (6 hrs)
- HUM 2020 Encountering the Humanities 3 hrs
- HUM 2210 Humanistic Tradition I GEP
- HUM 2220 Humanistic Tradition II GEP
- HUM 4933 Senior Research Seminar 3 hrs

4. Core Requirements: Advanced Level (24 hrs)
- Concentrations (choose one):
- Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

Classical Humanities 24 hrs

Western Traditions and Applications 9 hrs
- ARH 4170 Greek & Roman Art or 3 hrs
- ARH 4310 Italian Renaissance Art or 3 hrs
- CLT 3370 Classical Mythology or 3 hrs
- CLT 3378 Comparative Mythology or 3 hrs
- HUM 3552 Christian Thought or 3 hrs
- HUM 3553 Moses, Jesus and Muhammad or 3 hrs
- JST 3401 The Jewish People I or 3 hrs
- PHH 3110 Ancient Philosophy or 3 hrs
- PHH 3200 Medieval Philosophy or 3 hrs
- PHH 3460 Modern Western Philosophy or 3 hrs
- REL 3432 Roots of Western Mysticism 3 hrs

World Intellectual Traditions 6 hrs
- ANT 3245 Native American Religions or 3 hrs
- HUM 3401 Asian Humanities or 3 hrs
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3460 Latin American Humanities or 3 hrs
- HUM 4303 The Liberal Ideal or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHI 3700 African Philosophy or 3 hrs
- PHI 3781 African-American Philosophy or 3 hrs
- REL 3340 Buddhist Thought 3 hrs

Foundations 3 hrs
- HUM 4301 The Classical Ideal 3 hrs

Select 2: 6 hrs
- HUM 3255 Modern Humanities or 3 hrs
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities 3 hrs

Multicultural Humanities 24 hrs

Traditions and Applications 15 hrs
- ANT 3311 Indians of the Southeastern United States or 3 hrs
- ARH 3520 African Art or 3 hrs
- HUM 3401 Asian Humanities or 3 hrs
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3460 Latin American Humanities or 3 hrs
- HUM 3553 Moses, Jesus and Muhammad or 3 hrs
- JST 3401 The Jewish People I or 3 hrs
- PHI 3701 Native American Philosophy or 3 hrs
- PHI 3790 African Philosophy or 3 hrs
- PHM 3123 Feminist Theories 3 hrs

Foundations 3 hrs
- HUM 3320 Contemporary Multicultural Studies 3 hrs

Select 1: 3 hrs
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities 3 hrs

Select 1: 3 hrs
- HUM 3252 Contemporary Humanities or 3 hrs
- HUM 3255 Modern Humanities 3 hrs

Critical Humanities 24 hrs

Foundations 9 hrs
- HUM 3252 Contemporary Humanities and 3 hrs
- HUM 3255 Modern Humanities and 3 hrs
- PHI 4804 Critical Theory 3 hrs

Traditions and Applications 15 hrs
- HUM 3394 Representations of Place and Space or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHH 3510 Marx and Nietzsche or 3 hrs
- PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHP 3765 Existentialism or 3 hrs
- PHP 4782 Phenomenology or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- REL 3115 Religion, Spirituality, and Popular Music 3 hrs

5. Restricted Electives (3 hrs)
- Select one course from the ‘Traditions and Applications’ category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor.

Select 1: 3 hrs
- HUM 4303 The Spiritual Ideal or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 3800 Aesthetics or 3 hrs
- Or other courses as approved by advisor 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a “C” (2.0) or better in each required course.
- Departmental Exit Exam in final semester.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following: HUM 4933 Senior Research Seminar 3 hrs
UCF Degree Programs

HUM 4970H  Undergraduate Honors Thesis  1 hr
STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major  (33 hrs)
■ Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:
Honors Thesis
HUM 4903H  Honors Directed Reading I  3 hrs
HUM 4970H  Undergraduate Honors Thesis  3 hrs

Additional Requirements
■ Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
■ Fulfill University requirements for Honors in the Major.
■ Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5.
■ Successful completion and oral defense of Honors thesis.
■ Earn a "B" (3.0) or better in both of the following:
  HUM 4903H  Honors Directed Reading I  3 hrs
  HUM 4970H  Undergraduate Honors Thesis  3 hrs

Core and Elective Requirements  33 hrs
■ Same requirements as for regular majors.

Related Programs
■ Humanities - Philosophy, Religion, & Popular Culture Track
■ Philosophy
■ Religious Studies

Certificates
■ None

Related Minors
■ Environmental Studies
■ Humanities
■ Philosophy
■ Religious Studies

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges do not substitute for Upper Division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall  16 hrs
Foreign Language  4 hrs
ENC 1101  Composition I  3 hrs
HUM 2020  Encountering the Humanities  3 hrs
HUM 2210  Humanistic Tradition I  3 hrs
MGF 1106  Finite Mathematics  3 hrs

Freshman Year - Spring  16 hrs
Foreign Language  4 hrs
ENC 1102  Composition II  3 hrs
HUM 2230  Humanistic Tradition II  3 hrs
STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

Select 1:  3 hrs
PHI 2010  Introduction to Philosophy or
REL 2300  World Religions  3 hrs

Sophomore Year - Fall  12 hrs
GEP  3 hrs
GEP  3 hrs
GEP  3 hrs
Restricted Elective  3 hrs

Sophomore Year - Spring  15 hrs
GEP  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
Supporting Elective  3 hrs

Junior Year - Fall  15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
Supporting Elective  3 hrs

Junior Year - Spring  15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
Supporting 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
Restricted Elective  3 hrs

Senior Year - Spring  16 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  4 hrs
HUM 4933  Senior Research Seminar  3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Doug Evans, 407-823-2273
Dr. Shelley Park (Cocoa Campus), 321-433-7919

Admission Requirements
■ None
UCF Degree Programs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   - Suggested HUM 2210 Humanistic Tradition I 3 hrs
   - Suggested HUM 2230 Humanistic Tradition II 3 hrs
   Select 1: 3 hrs
   - Suggested PHI 2010 Introduction to Philosophy or
   - Suggested REL 2300 World Religions 3 hrs
   C: Mathematical Foundations (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   - (May substitute a higher level math)

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
   - None

3. Core Requirements: Basic Level (0 hrs)
   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 6 hrs
   PHI 3684 Ways of Living and 3 hrs
   PHI 4341 Ways of Knowing 3 hrs
   Philosophy 6 hrs
   PHI 2108 Critical Thinking or 3 hrs
   PHI 3670 Ethical Theory or 3 hrs
   PHI 3700 Philosophy of Religion or 3 hrs
   PHI 3720 Faith and Reason or 3 hrs
   PHI 3800 Aesthetics or 3 hrs
   PHI 4300 Theories of Knowledge or 3 hrs
   PHI 4804 Critical Theory or 3 hrs
   PHM 3100 Freedom and Justice or 3 hrs
   PHI 3766 Existentialism 3 hrs
   Religion 6 hrs
   CLT 3578 Comparative Mythology or 3 hrs
   HUM 3417 Hindu Thought and Culture or 3 hrs
   HUM 3419 Islamic Thought and Culture or 3 hrs
   HUM 3552 Christian Thought or 3 hrs
   HUM 3553 Moses, Jesus and Muhammad or 3 hrs
   HUM 4303 The Spiritual Ideal or 3 hrs
   HUM 4554 Religious Quest and Human Dilemma or 3 hrs
   PHI 3750 The Problem of Evil 3 hrs
   Popular Culture Studies 12 hrs
   Contemporary Media 6 hrs
   HUM 3320 Contemporary Multicultural Studies or 3 hrs
   HUM 4330 Performance Theory or 3 hrs
   HUM 4556 Religion and the Arts or 3 hrs
   PHI 3625 Virtual Ethics or 3 hrs
   PHI 4931 Philosophy in the News or 3 hrs
   POS 3235 Mass Media and Politics or 3 hrs
   POS 3258 Politics in Film or 3 hrs
   REL 3111 Religion and Philosophy Through Film or 3 hrs
   REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
   SYP 3630 Popular Culture In Society 3 hrs

Contemporary Forms of Life 6 hrs
ANT 3302 Sex, Gender and Culture or 3 hrs
HUM 3252 Contemporary Humanities or 3 hrs
PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
PHI 3629 Family Values or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3683 Philosophy of Friendship or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or 3 hrs
PHM 3020 Philosophy of Love or 3 hrs
PHM 3123 Feminist Theories or 3 hrs
PHM 3401 Philosophy of Law or 3 hrs
REL 3131 Religion in America 3 hrs

5. Restricted Electives (0 hrs)
   - None

6. Capstone Requirements (3 hrs)
   HUM 4933 Senior Research Seminar 3 hrs

7. Foreign Language Requirements
Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Departmental Exit Exam in final semester.
    - Earn a “C” (2.0) or better in each required course.
    - To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
    - Computer Competency met by one of the following:
      - HUM 4933 Senior Research Seminar 3 hrs
      - HUM 4970H Undergraduate Honors Thesis 1 hr
      - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
Total Semester Hours Required
- 120

Honors In Major
- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:
  a. Core Requirements, Popular Culture and Capstone
      - Same requirements as for regular majors
  b. Honors Thesis
      - 6 hrs
        HUM 4903H Honors Directed Reading I 1 hr
        HUM 4970H Undergraduate Honors Thesis 1 hr
  c. Additional Requirements of Honors in the Major
      - Application and admission through the Humanities Honors Coordinator
      - Fulfill University requirements for Honors in the Major
      - Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
      - Successful completion and oral defense of Honors thesis
      - Earn a “B” (3.0) or better in both of the following:
        - No more than 2 courses (i.e., 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities: Philosophy, Religion & Popular Culture may be simultaneously applied to fulfill another major.
        - HUM 4903H Honors Directed Reading I 1 hr
        - HUM 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- Humanities
- Philosophy

Certificates
- None

Related Minors
- Humanities
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Degree Requirements
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program (GEP) (38 hrs)
   - The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Select 1: 3 hrs
     - Prefer SPC 1603 Fundamentals of Technical Presentations

   B: Cultural & Historical Foundations (6 hrs)
   - Select two courses from Historical Foundations
   - Select one class from Cultural Foundations
   - 3 hrs

   C: Mathematical Foundations (7 hrs)
   - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - Required STA 3032 Probability and Statistics for Engineers 3 hrs

   D: Social Foundations (9 hrs)
   - Select 1: 3 hrs
     - Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
     - Select one class from Social Foundations
     - 3 hrs

   E: Science Foundations (7 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
   - These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in this section.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   ENC 1101 Composition I GEP
   ENC 1102 Composition II GEP
   MAC 2311 Calculus with Analytic Geometry I GEP
   MAC 2312 Calculus with Analytic Geometry II 4 hrs
   MAC 2313 Calculus with Analytic Geometry III 4 hrs
   MAP 2302 Differential Equations 3 hrs
   PHY 2048C Physics for Engineers & Scientists I GEP
   PHY 2049C Physics for Engineers and Scientists II 4 hrs

   Select 1: 4 hrs
     - CHM 2045C Chemistry Fundamentals I or
     - CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

   1 A 2.0 cumulative GPA or better is required for this course.

3. Core Requirements: Basic Level (2 hrs)

   Engineering Core: Basic
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.
     - EGN 1006C Introduction to the Engineering Profession 1 hr
     - EGN 1007C Engineering Concepts and Methods 1 hr

   Industrial Engineering (B.S.I.E.)
   College of Engineering and Computer Science
   Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
   http://www.iems.ucf.edu/
   Dr. William Thompson, wthompson@mail.ucf.edu
   Phone: 407-823-2204

   Admission Requirements
   - None
UCF Degree Programs

4. Core Requirements: Advanced Level (58 hrs)

Engineering Core: Advanced 15 hrs
COP 3223 Introduction to Programming with C 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs

Select 1: 3 hrs
EGN 3343 Thermodynamics or 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 43 hrs
- The Industrial Engineering and Management Systems department requires all students within the major to achieve a "C" (2.0) GPA or better in each course listed.
- EGN 3613 Engineering Economic Analysis 2 hrs
- EGN 4624 Engineering Administration 3 hrs
- EIN 3000 Introduction to Industrial Engineering and Management Systems 2 hrs
- EIN 3314C Work Measurement & Design 3 hrs
- EIN 3354 Systems Engineering 3 hrs
- EIN 4234C Human Engineering 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4364C Industrial Facilities Planning and Design 3 hrs
- EIN 4391C Manufacturing Engineering 3 hrs
- EIN 4517 Systems Engineering 3 hrs
- ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
- ESI 4234 Quality Engineering 3 hrs
- ESI 4312 Operations Research 3 hrs
- ESI 4523C Systems Simulation 3 hrs
- ESI 4628C Industrial Engineering Applications of Computers 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

5. Restricted Electives (5 hrs)
- Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- EIN 4516C Systems Analysis and Design 3 hrs
- EIN 4691C Industrial Engineering Senior Design Project 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors in Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Engineering Leadership

Advising Notes
- None

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5. Approved Technical Electives.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to select and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
EGN 1006C Introduction to the Engineering Profession 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring 12 hrs
EGN 1007C Engineering Concepts and Methods 1 hr
ENC 1101 Composition I 3 hrs
MAC 2311 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs

Freshman Year - Summer 6 hrs
COP 3223 Introduction to Programming with C 3 hrs

Select 1: 3 hrs
ECO 2013 Principles of Microeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Fall 13 hrs
EIN 3000 Introduction to Industrial Engineering and Management Systems 2 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring 15 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 4243C Human Engineering 3 hrs
EGN 4517 Systems Engineering 3 hrs
MAP 2302 Differential Equations 3 hrs

Select 1: 3 hrs
SPC 1603 Fundamentals of Technical Presentations 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Summer 8 hrs
GEP 3 hrs
EGN 3613 Engineering Economic Analysis 3 hrs
EGN 3613 Engineering Analysis-Dynamics 3 hrs
UCF Degree Programs

Information Technology (B.S.)

College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246

http://www.eecs.ucf.edu/
E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooj, HEC 245D
Charlese Hilton-Brown, HEC 245F
Phone: 407-823-2767

Admission Requirements

None

Degree Requirements

“C” (2.0) or better required in all prerequisites and courses required for the major.

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 3 hrs

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 1105 College Algebra or
Suggested MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
Required ECO 2013 Principles of Macroeconomics 3 hrs
Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2053C College Physics I 4 hrs
Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (15 hrs)

A “C” (2.0) or better is required in all these courses.

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

3. Core Requirements: Basic Level (0 hrs)

None

4. Core Requirements: Advanced Level (51 hrs)

A “C” (2.0) or better is required in all these courses.

Support Courses 6 hrs

A “C” (2.0) or better is required in all these courses.

Select 1: 3 hrs

Select 1: 3 hrs

6. Capstone Requirements

None
UCF Degree Programs

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
• None

Related Programs
• Computer Engineering
• Computer Science

Certificates
• None

Related Minors
• Computer Science
• Interdisciplinary Informatics Technology
• Secure Computing and Networks

Advising Notes
• None

Transfer Notes
• Grades below “C” (2.0) are not accepted
• Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
• Courses taken at community colleges do not substitute for Upper Division courses

Acceptable Substitutes for Transfer Courses
• None

Plan of Study

Freshman Year - Fall 12 hrs
   COP 3223 Introduction to Programming with C 3 hrs
   ENC 1101 Composition I 3 hrs
   SPC 1603 Fundamentals of Technical Presentations 3 hrs

Select 1: 3 hrs
   MAC 1105 College Algebra or
   MAC 1140 Pre-Calculus Algebra 3 hrs

Freshman Year - Spring 15 hrs
   COP 3502C Computer Science I 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   ENC 1102 Composition II 3 hrs
   MAC 1114 College Trigonometry 3 hrs
   PSY 2012 General Psychology 3 hrs

Sophomore Year - Fall 16 hrs
   GEP 3 hrs
   CIS 3003 Fundamentals of Information Technology 3 hrs
   COP 3330 Object Oriented Programming 3 hrs
   MAD 2104 Foundations of Discrete Math 3 hrs
   PHY 2053C College Physics I 4 hrs

Sophomore Year - Spring 15 hrs
   GEP 6 hrs
   CGS 2545C Database Concepts 3 hrs
   CGS 3269 Computer Architecture Concepts 3 hrs
   STA 2023 Statistical Methods I 3 hrs

Junior Year - Fall 15 hrs
   CAP 4104 Human and Technology Interaction 3 hrs
   CIS 3360 Security in Computing 3 hrs
   CNT 3004 Computer Network Concepts 3 hrs
   EEL 3041 Circuit Analysis 3 hrs

Select 1: 3 hrs
   ENC 3211 Theory of Practice of Technical Writing or
   ENC 3241 Writing for the Technical Professional or
   ENC 3250 Professional Writing 3 hrs

Junior Year - Spring 15 hrs
   GEP 3 hrs
   CGS 3763 Operating System Concepts 3 hrs
   CIS 4313 Managing IT Integration 3 hrs
   PHI 3626 Advanced Ethics in Science and Technology 3 hrs

Select 1: 3 hrs
   ENC 4265 Writing for the Computer Industry or
   ENC 4293 Documentation and the Collaborative Process or
   ENC 4414 Writing and Hypertext or
   ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs

Senior Year - Fall 15 hrs
   Restricted Elective 3 hrs
   Free Elective 3 hrs
   CIS 4004 Web-Based Information Technology 3 hrs
   CNT 4603 System Administration and Maintenance 3 hrs
   CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs

Senior Year - Spring 14 hrs
   Restricted Elective 3 hrs
   Free Elective 5 hrs
   CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
   CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
   COP 4910 Frontiers in Information Technology 3 hrs

Program Academic Learning Compacts
• Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
• Part-Time Student: $45 per term
• Full-Time Student: $90 per term

Interdisciplinary Studies (B.A. / B.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser.

The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there
are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
- Co-op credit cannot be used in this major.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internship will not be counted towards the major.
- Students must earn at least a “C” (2.0) in each core and restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser to enter the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No courses can count in more than one subject area or in a subject area and a minor.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
   - None

3. Core Requirements: Basic Level (6 hrs)
   - IDS 3933 Cornerstone Experience 3 hrs
   - IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level (0 hrs)
   - None

5. Restricted Electives (30 hrs)
   - Students must complete two different subject area concentrations from among those specified below.
   - Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.
   - Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.
   - See the Interdisciplinary Studies Advising Team for details regarding each area:
     - Arts
     - Behavioral and Social Sciences
     - Commerce
     - Communication
     - Computational Sciences
     - Education
     - Engineering

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

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 a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses, with an Interdisciplinary Studies adviser’s approval.

9. Additional Requirements
   - None

10. Required Minors
   - Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

11. Departmental Exit Requirements
   - A grade of “C” or above (2.0) is required for each course in the core and restricted electives.
   - Computer Competency met by completing this major.

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women’s Studies Track

Certificates
- None

Related Minors
- Most UCF minors

Advising Notes
- None
### UCF Degree Programs

**Transfer Notes**
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- None

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Interdisciplinary Studies - Environmental Studies Track (B.S.)

**Office of Undergraduate Studies**
Office of Interdisciplinary Studies, Classroom I, Room: 302

**http://www.is.ucf.edu**
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major
- Co-op credit cannot be used in the major
- Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas
- Students must consult with an Interdisciplinary Studies adviser when entering the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

1 Required MAC 1105 College Algebra 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

2. **Degree Requirements** (36 hrs)

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required SYG 2000 Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

3. **Select 1:** (3 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

4. **Science Foundations** (8 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

5. **Common Program Prerequisites (CPP)** *0 hrs*
- None

6. **Core Requirements: Basic Level** *11 hrs*

- Core for Environmental Studies:

<table>
<thead>
<tr>
<th>Physical/Mathematical Sciences</th>
<th>GEPh</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 1105 College Algebra</td>
<td>GEP</td>
</tr>
<tr>
<td>PSC 1121 Physical Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| ECO 2013 Principles of Macroeconomics | 3 hrs |
| ECO 2023 Principles of Microeconomics | GEP |

7. **Core Requirements: Advanced Level** *19 hrs*

<table>
<thead>
<tr>
<th>Environmental Studies Fundamentals</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECP 3302 Economics and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 3043C GIS for Environmental Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 4301C Advanced GIS Applications in Environmental Studies</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

| IDS 3150 Foundations of Environmental Studies | 3 hrs |
| PUP 3203 Environmental Politics | 3 hrs |
| SYD 4510 Environment and Society | 3 hrs |

8. **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.

### Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>6 hrs</td>
<td></td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>6 hrs</td>
<td></td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>8 hrs</td>
<td></td>
</tr>
<tr>
<td>F: Core Requirements: Basic Level</td>
<td>11 hrs</td>
<td></td>
</tr>
<tr>
<td>G: Core Requirements: Advanced Level</td>
<td>19 hrs</td>
<td></td>
</tr>
<tr>
<td>H: Restricted Electives</td>
<td>18 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Notes**

- Substitute courses must be approved by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

**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

**Office of Interdisciplinary Studies**
Office of Interdisciplinary Studies, Classroom I, Room: 302

**http://www.is.ucf.edu**
E-mail: is@mail.ucf.edu
Phone: 407-823-0144
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
Gis 4035C Remote Sensing of the Environment 3 hrs
Inr 4351 International Environmental Law 3 hrs
Pad 3330 Urban and Regional Planning 3 hrs
Pad 4351 Issues in Environmental Program 3 hrs
Management
Phi 3033 Philosophy, Religion, and the Environment 3 hrs
Phi 3640 Environmental Ethics 3 hrs
Phi 4400 Philosophy of Science 3 hrs
Phi 4633 Ethics and Biological Science 3 hrs
Phm 4031 Environmental Philosophy 3 hrs
Pla 4554 Environmental Law 3 hrs
Pup 4204 Sustainability 3 hrs
Pup 4209 Urban Environmental Policy 3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

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

Graduation
- Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses, with adviser approval

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A grade of "C" or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

12. University Minimum Exit Requirements

- A 2.0 Ucf GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Economics
- Environmental Engineering
- Political Science

Certificates

- None

Related Minors

- All minors

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oetas.ucf.edu/alccademic_learning_compacts.htm

Equipment Fees

- Part-Time Student:
- Full-Time Student:

Interdisciplinary Studies - Women's Studies Track

(B.A.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom 1, Room 302
Program in Women's Studies, Colburn Hall, Room 411
http://www.womenst.ucf.edu
E-mail: is@mail.ucf.edu
E-mail: 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 which leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women's Studies Program in the College of Arts and Humanities.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women’s Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies area. Non-approved independent study forms 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.
**UCF Degree Programs**

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

| A: Communication Foundations **(9 hrs)** |
| B: Cultural & Historical Foundations **(9 hrs)** |
| C: Mathematical Foundations **(6 hrs)** |
| D: Social Foundations **(6 hrs)** |
| E: Science Foundations **(6 hrs)** |

#### 2. Common Program Prerequisites (CPP) **(0 hrs)**
- None

#### 3. Core Requirements: Basic Level **(0 hrs)**
- None

#### 4. Core Requirements: Advanced Level **(0 hrs)**
- 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 Area **18 hrs**
- 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
    - AML 3662: Ethnic Literature in America or
    - ANT 4308: Gender Issues in Latin America or
    - ASH 4904: Women in China or
    - SYD 3751: North American Indian Women Today

Other courses approved by the Interdisciplinary Studies Advising Team.

#### First Study Area - Women's Studies Cognate Area **18 hrs**
- Take 18 hours from either the Womanist/Women of Color Area or from the Women's Studies Cognate Area.
  - Select 6: **18 hrs**
    - Relevant Other courses may be utilized for this area with the permission of the director.
    - Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women's Studies Director, some courses may substitute.
    - AML 3614: Topics in African-American Literature or
    - AML 3662: Ethnic Literature in America or
    - AML 4261: Literature of the South or
    - ANT 3212: Peoples of the World or
    - CCJ 4129: Cultural Diversity in Criminal Justice or
    - CCJ 4681: Domestic Violence and the Justice System or
    - EUH 3242: Modern Europe and the First World War or
    - HSC 3593: HIV Disease: A Human Concern or
    - LIN 4643: Cross Cultural Communication or
    - LIT 5556: Advanced Feminist Theories or
    - PEM 2405: Self Defense for Women and Men or
    - PHI 3640: Environmental Ethics or
    - PHI 3670: Ethical Theory or
    - PHI 4300: Theories of Knowledge or
    - PUP 3314: Minorities in American Politics or
    - SOP 2772: Sexual Behavior or
    - SOP 3764: Psychology of Diversity or

Other courses approved by the Interdisciplinary Studies Advising Team.

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

**Admissions**
- Met by graduation requirement

**Graduation**
- Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- Note: Students entering without having met the admission requirement must do so in order to graduate.

#### 8. Electives
- Select primarily from upper level courses, with Interdisciplinary Studies advisor's approval. May be outside of Women's Studies.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- Women's Studies

### 11. Departmental Exit Requirements
- A grade of ‘C’ or above (2.0) is required for each course taken in each of the subject areas.
- Computer Competency is met by departmental assessment, or the following courses:
  - CGS 1060C: Introduction to Computer Science **3 hrs**
  - STA 1060C: Basic Statistics Using Microsoft Excel **3 hrs**

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**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 credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

International and Global Studies (B.A.)
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Double major/dual degree policy in Political Science programs and minors:
- Students who double major/dual in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:
  - POS 2041 American National Government 3 hrs

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Prefer WOH 2021 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)
- Prefer MGF 1106 Finite Mathematics or 3 hrs
- Prefer MGF 1107 Explorations in Mathematics or 3 hrs
- May substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics: 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C Principles of Statistics or 3 hrs
- May substitute a more advanced STA course. 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) (0 hrs)
- None

3. Core Requirements: Basic Level (6 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs
- POS 2041 American National Government GEP

4. Core Requirements: Advanced Level (15 hrs)
- CPO 3103 Comparative Politics 3 hrs
- GEO 3471 World Political Geography 3 hrs
- IDS 4315 Global Perspectives 3 hrs
- INR 4603 International Relations Theory 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs

5. Restricted Electives (18 hrs)
- Note: Students must meet all prerequisites before taking these classes.
- Other courses may be substituted with the chair’s approval.

Regional 9 hrs
- Select from the following listing:
  - CPO 3034 Politics of Developing Areas 3 hrs
  - CPO 3104 Politics of Western Europe 3 hrs
  - CPO 3403 Politics of the Middle East 3 hrs
  - CPO 3614 Politics of Eastern Europe 3 hrs
  - CPO 4062 Comparative Judicial Process 3 hrs
  - CPO 4074 Political Economy 3 hrs
  - CPO 4101 Politics of the European Union 3 hrs
  - CPO 4123 Government and Politics of Great Britain 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - CPO 4514 Politics of East Asia 3 hrs
  - CPO 4553 Politics of Japan 3 hrs
  - CPO 4643 Government and Politics of Russia 3 hrs
  - CPO 4710 Women in Comparative Politics 3 hrs
  - CPO 5334 Contemporary Politics of the Mayan Region 3 hrs
  - POS 3253 Contemporary Revolution and Political Violence 3 hrs

Functional 9 hrs
- Select from the following listing:
  - INR 3253 International Politics of Africa 3 hrs
  - INR 4030 Diplomacy 3 hrs
  - INR 4035 International Economic 3 hrs
  - INR 4054 Global Politics of Energy 3 hrs
  - INR 4074 Immigration Policy 3 hrs
  - INR 4075 Human Rights Policy 3 hrs
  - INR 4076 Global Drug Policy 3 hrs
  - INR 4084 Politics of International Terrorism 3 hrs
  - INR 4085 Women, Gender, and Globalization 3 hrs
  - INR 4102 American Foreign Policy 3 hrs
  - INR 4104 Topics and Cases in American Foreign Policy 3 hrs
  - INR 4114 American Security Policy 3 hrs
  - INR 4115 Strategic Weapons and Arms Control 3 hrs
  - INR 4224 Contemporary International Politics of Asia 3 hrs
  - INR 4243 International Politics of Latin America 3 hrs
  - INR 4304 Issues in International Public Policy 3 hrs
  - INR 4335 Coercion in International Politics 3 hrs
  - INR 4350 Global Environmental Politics 3 hrs
  - INR 4351 International Environmental Law 3 hrs
  - INR 4364 The Intelligence Community 3 hrs
  - INR 4401 International Law I 3 hrs
  - INR 4402 International Law II 3 hrs
  - INR 4404 Space Law 3 hrs
  - INR 4502 International Organizations 3 hrs
  - INR 4714 Politics of International Trade Policy 3 hrs
  - INR 4941 Internship 3 hrs
  - PUP 4503 Government and Science 3 hrs
  - PUP 4510 Space Policy 3 hrs

1. A maximum of 3 hours of Internship can be used.
UCF Degree Programs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - Met by graduation requirement

Graduation
   - Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   - Internship Program: Political Science: For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

9. Additional Requirements
   - None

10. Required Minors
    - Select from the 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
    - European Studies
    - French
    - German
    - International Business
    - Italian
    - Latin American Area Studies
    - Middle Eastern Studies
    - Spanish

11. Departmental Exit Requirements
    - Maintain a minimum GPA of 2.0 in the major.
    - Before applying to graduate, the CLAS must be completely satisfied.
    - Computer Competency met by the following:
      - POS 3703 Scope and Methods of Political Science 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Honors in Major
   - Interested students who meet the requirements are encouraged to participative 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
   - Philosophy
   - Psychology
   - Sociology

Advising Notes
   - None

Transfer Notes
   - Lower division courses taken at community colleges do not substitute for upper division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - 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.

**Freshman Year - Fall**
   - Foreign Language 4 hrs
   - ENC 1101 Composition I 3 hrs
   - MGF 1107 Explorations in Mathematics 3 hrs
   - POS 2041 American National Government 3 hrs
   - WOH 2012 World Civilization I 3 hrs

**Freshman Year - Spring**
   - Foreign Language 4 hrs
   - ENC 1102 Composition II 3 hrs
   - INR 2002 International Relations-Theory and Practice 3 hrs
   - STA 2014C Principles of Statistics 3 hrs
   - WOH 2022 World Civilization II 3 hrs

**Sophomore Year - Fall**
   - Foreign Language 4 hrs
   - GEP 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - GED 3471 World Political Geography 3 hrs
   - POS 3703 Scope and Methods of Political Science 3 hrs

**Sophomore Year - Spring**
   - Foreign Language 4 hrs
   - GEP 3 hrs
   - CPD 3103 Comparative Politics 3 hrs
   - IDS 4315 Global Perspectives 3 hrs
   - INR 4603 International Relations Theory 3 hrs

**Junior Year - Fall**
   - Restricted Elective 3 hrs
   - GEP 3 hrs
   - Elective / Minor 3 hrs
   - Restricted Elective 3 hrs
   - Free Elective 3 hrs

**Junior Year - Spring**
   - Restricted Elective 3 hrs
   - GEP 3 hrs
   - Elective / Minor 3 hrs
   - Elective / Minor 3 hrs
   - Free Elective 3 hrs
## Interpersonal/Organizational Communication (B.A.)

**Nicholson School of Communication, NSC, Room: 143**

**http://communication.cos.ucf.edu**

Dr. Jim Katt, Area Coordinator, jkatt@mail.ucf.edu  
Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu  
Phone: 407-823-2681

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs (other than from I/O Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, Co-op, and independent study credits combined.
- Students should consult with a departmental advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Communication.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
<th>C: Mathematical Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I 3 hrs</td>
<td>Required ENC 1102 Composition II 3 hrs</td>
<td>Required STA 1060C Basic Statistics Using Microsoft Excel 3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
<td>Required SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
<td>Required STA 2014C Principles of Statistics 3 hrs</td>
</tr>
</tbody>
</table>

### Statistics:
- Required STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

### Math:
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Prefer MGF 1107 Explorations in Mathematics or 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

### D: Social Foundations (6 hrs)

### E: Science Foundations (6 hrs)

### 2. Common Program Prerequisites (CPP) (18 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.

### 3. Core Requirements: Basic Level (6 hrs)
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- STA 2014C Principles of Statistics 3 hrs

### Statistics:
- Required STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

### Computer Science:
- CGS 2100C Computer Fundamentals for Business or 3 hrs
- CGS 2585C Desktop/Internet Publishing or 3 hrs
- CGS 3175 Internet Applications 3 hrs

### 4. Core Requirements: Advanced Level (12 hrs)
- COM 3011C Communication and Human Relations and 3 hrs
- COM 3120 Organizational Communication and 3 hrs
- COM 3311 Communication Research Methods and 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs

### 5. Restricted Electives (27 hrs)

#### Internal Restricted Electives: 21 hrs
- Select from the following list:
  - COM 4906 Directed Independent Study or 3 hrs
  - COM 4941 Internship or 3 hrs
  - SPC X949 Coop or 3 hrs
  - COM X949 Coop or 3 hrs

#### External Restricted Electives: 6 hrs
- A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Interpersonal/Organizational area (i.e. Advertising/Public Relations, Journalism, or Radio/Television).
  - ENC 3241 Writing for the Technical Professional or 3 hrs
  - ENC 3250 Professional Writing or 3 hrs
  - ENC 3311 Advanced Expository Writing 3 hrs

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement

#### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

### 8. Electives
- Select primarily from upper level courses. May be taken outside of the School of Communication.

### 9. Additional Requirements
- None
10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a “C” (2.0) or better average GPA in Nicholson School courses.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by achieving a “C” (2.0) or better in the following courses or by departmental assessment:
  - CEG 2100C  Computer Fundamentals for Business  3 hrs
  - CEG 2585C  Desktop/Internet Publishing  3 hrs
  - CEG 3175  Internet Applications  3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- Interpersonal/Organizational Communication
- Mass Communication

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 13 hrs
- Foreign Language 4 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1107  Explorations in Mathematics  3 hrs
- SPCH 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Spring 16 hrs
- GEP 3 hrs
- Foreign Language 4 hrs
- ENC 1102  Composition II  3 hrs
- STA 2014C  Principles of Statistics  3 hrs

Sophomore Year - Fall 16 hrs
- Free Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 4 hrs

Sophomore Year - Spring 15 hrs
- Free Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- CEG XXXX  Computer course 3 hrs

Junior Year - Fall 15 hrs
- Restrictive Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- COM 3011C  Communication and Human Relations  3 hrs
- COM 3311  Communication Research Methods  3 hrs

Junior Year - Spring 15 hrs
- Restrictive Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- COM 3120  Organizational Communication  3 hrs
- SPC 3301  Interpersonal Communication  3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

Journalism (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: journalism@ucf.edu
Mr. Rick Brunson, Area Coordinator, rbrunson@mail.ucf.edu
Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Admission Requirements
- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.25 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis.
- Submit an essay demonstrating commitment to the field; include previously published journalistic work, if any.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF’s Counseling and Testing Center unless they have AP credit in English or an “A-” or better in both of the following courses:
  - ENC 1101  Composition I  3 hrs
  - ENC 1102  Composition II  3 hrs

Application Deadlines:
- October 1 to be admitted the next Spring term
- February 1 to be admitted the next Summer term
- July 1 to be admitted the next Fall term

Degree Requirements
- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
The Journalism faculty strongly recommends that majors work for a student newspaper.

Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or web site.

To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.

Students can enroll in a maximum of six hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.

A portfolio of representative work must be submitted, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.

Co-op or internship credit cannot be used in this major without prior approval.

Students should consult with a school advisor.

All students are required to pay a fee for equipment insurance.

Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.

Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).

To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.

Journalism majors must select their required minor from outside the School of Communication to remain below the 40 credit hour maximum.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.

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

A: Communication Foundations (9 hrs)

Composition: Complete both courses. 6 hrs

Required ENC 1101 Composition I and 3 hrs

Required ENC 1102 Composition II 3 hrs

Speech: Select one course. 3 hrs

Suggested SPC 1603 Fundamentals of Technical Presentations or 3 hrs

Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Group 1: Select a course from group 1. 3 hrs

Prefer AMH 2010 U.S. History: 1492-1877 or 3 hrs

Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Group 2: Select a course from group 2. 3 hrs

Group 3: Select a third course from either group 1 or 2. 3 hrs

C: Mathematical Foundations (6 hrs)

Statistics-Computers: 3 hrs

Suggested CGS 1060C Introduction to Computer Science or 3 hrs

Prefer STA 2014C Principles of Statistics 3 hrs

Math: 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs

Prefer MGF 1107 Explorations in Mathematics or 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement 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) (0 hrs)

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

Complete one of the following: 0 hr

SPC 1603 Fundamentals of Technical Presentations or GEP

SPC 1608 Fundamentals of Oral Communication GEP

3. Core Requirements: Basic Level (12 hrs)

Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.

Grammar Proficiency must be satisfied before enrolling in JOU 2100C.

These courses may be completed before acceptance into the program.

JOU 2100C News Reporting 3 hrs

JOU 3004 History of American Journalism 3 hrs

MMC 2004 Mass Media 3 hrs

VIC 3001 Visual Communication 3 hrs

4. Core Requirements: Advanced Level (6 hrs)

These courses may be completed either before or after acceptance into the program.

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.

Select courses from the following: 18 hrs

JOU 3101 Advanced Reporting 3 hrs

JOU 3201 Editing I 3 hrs

JOU 3202 Editing II 3 hrs

JOU 3510 Magazine Publishing 3 hrs

JOU 4181 Public Affairs Reporting 3 hrs

JOU 4224 Magazine Editing and Production 3 hrs

JOU 4300 Feature Writing 3 hrs

JOU 4342C Converged Journalism 3 hrs

JOU 4941 Internship 3 hrs

PGY 3610C Photography I 3 hrs

Any JOU or PGY prefix writing, photojournalism, or editing course 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, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.
9. Additional Requirements
   ■ None

10. Required Minors
   ■ Journalism majors must complete an 18 hour minor in an academic area outside of the School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Faculty.
   ■ The minor must be from outside of the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
   ■ Acceptance of portfolio by faculty
   ■ To avoid delaying graduation, you must request a review of requirements before registering for your last term
   ■ Achieve an overall "C" GPA (2.0) in courses taken within the school used to satisfy the major.
   ■ Before applying to graduate, the CLAS must be completely satisfied.
   ■ Computer Competency met by departmental assessment, or by completing the following course:
     Select 1: 3 hrs
     CGS 1060C  Introduction to Computer Science or 3 hrs
     STA 2014C  Principles of Statistics 3 hrs

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ English - Creative Writing
■ English - Technical Communication

Certificates
■ None

Related Minors
■ NOTE: Minors taught within the School of Communication are not open to Journalism majors.
■ English - Creative Writing
■ English - Linguistics
■ English - Literature
■ English - Technical Communication
■ English - Writing
■ History
■ Magazine Journalism
■ Political Science
■ Sociology

Advising Notes
■ It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
■ Students are urged to contact their departmental advisor before registering for courses.

Transfer Notes
■ Lower division courses taken at community colleges do not substitute for Upper Division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

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 16 hrs
   GEP 3 hrs
   Foreign Language 4 hrs
   ENC 1101 Composition I 3 hrs
   MGF 1107 Explorations in Mathematics 3 hrs
   SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring 16 hrs
   GEP 3 hrs
   Elective / Minor 3 hrs
   ENC 1102 Composition II 3 hrs
   STA 2014C Principles of Statistics 3 hrs
   Apply for admission to the major.

Sophomore Year - Fall 15 hrs
   GEP 3 hrs
   GEP 3 hrs
   Elective / Minor 3 hrs
   JOU 2100C News Reporting 3 hrs

Sophomore Year - Spring 15 hrs
   GEP 3 hrs
   GEP 3 hrs
   Elective / Minor 3 hrs
   Elective / Minor 3 hrs
   JOU 3004 History of American Journalism 3 hrs

Junior Year - Fall 15 hrs
   Elective / Minor 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Free Elective 3 hrs
   MMC 2004 Mass Media 3 hrs

Junior Year - Spring 15 hrs
   Elective / Minor 3 hrs
   Restricted Elective 3 hrs
   Free Elective 3 hrs
   MMC 3200 Mass Communication Law 3 hrs
   VIC 3001 Visual Communication 3 hrs

Senior Year - Fall 15 hrs
   Elective / Minor 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Free Elective 3 hrs
   JOU 4700 Journalism Ethics 3 hrs

Senior Year - Spring 13 hrs
   Restricted Elective 3 hrs
   Free Elective 4 hrs
   Free Elective 3 hrs
   Free Elective 3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $22 per term
■ Full-Time Student: $44 per term
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)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer 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>C: Mathematical Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>(6 hrs)</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites (CPP) (0 hrs)
- None

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (18 hrs)
- All core requirements must be completed with a minimum grade of “C” (2.0) to satisfy the major.
  - PLA 3014 Law and the Legal System 3 hrs
  - PLA 3108 Legal Research 3 hrs
  - PLA 3155 Legal Writing 3 hrs
  - PLA 3205 Civil Practice and Procedure 3 hrs
  - PLA 3615 Property and Real Estate Law 3 hrs
  - PLA 4703 Professional Ethics and Liability 3 hrs

5. Restricted Electives (0 hrs)

6. Additional Requirements
- None

7. Required Minors
- None

8. Departmental Exit Requirements
- Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors in Major**
- Interested students should consult with their faculty advisor.

**Related Programs**
- Business Administration
- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
UCF Degree Programs

Certificates
- None

Related Minors
- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- 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 SYG 2000 Introduction to Sociology 3 hrs
- Select 1: 3 hrs
- BSC 1005 Biological Principles or MCB 1310 Introduction to Biotechnology and Genetic Engineering 3 hrs

Take all of the following:

Freshman Year - Spring
- Free Elective 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- ENC 1102 Composition II 3 hrs
- Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics or POS 2041 American National Government 3 hrs
- Select 1: 3 hrs
- ARH 2050 History of Western Art I or ARH 2051 History of Western Art II or LIT 2110 World Literature I or LIT 2120 World Literature II or MUL 2010 Enjoyment of Music or PHI 2010 Introduction to Philosophy or REL 2300 World Religions or THE 2000 Theatre Survey 3 hrs

Sophomore Year - Fall
- Free Elective 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Select 1: 3 hrs
- CHM 1020 Concepts in Chemistry or PSC 1121 Physical Science 3 hrs
- Select 1: 3 hrs
- AMH 2020 U.S. History: 1877-Present or EUH 2001 Western Civilization II or HUM 2230 Humanistic Tradition I 3 hrs
- Foreign Language I or BS option 4 hrs

Sophomore Year - Spring
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- PLA 3014 Law and the Legal System 3 hrs

Junior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- PLA 3108 Legal Research 3 hrs
- PLA 3205 Civil Practice and Procedure 3 hrs

Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- PLA 3155 Legal Writing 3 hrs
- PLA 3615 Property and Real Estate Law 3 hrs

Senior Year - Fall
- Supporting Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- PLA 4703 Professional Ethics and Liability 3 hrs
- Internship or Restricted Elective 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- PLA 4935 Capstone: Legal Issues 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

Liberal Studies

Management (B.S.B.A.)
College of Business Administration
Department of Management, Business Administration
II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184

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

Admission Requirements
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
Students majoring in Management must earn a grade of "C" (2.0) or better in each course applied towards the major:

- MAN 3025  Management of Organizations  4 hrs
- MAN 4720  Strategic Management  4 hrs

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

A: Communication Foundations (9 hrs)
- Prefer SPC 1608  Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required CGS 2100C  Computer Fundamentals for Business  3 hrs
- Required MAC 1140  Pre-Calculus Algebra  3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Required ANT 2000  General Anthropology or  3 hrs
  - Required PSY 2012  General Psychology or  3 hrs
  - Required SYG 2000  Introduction to Sociology  3 hrs
- Required ECO 2013  Principles of Macroeconomics or  3 hrs
- Required ECO 2023  Principles of Macroeconomics  3 hrs

E: Science Foundations (6 hrs)
- 2. Common Program Prerequisites (CPP) (18 hrs)
  - Must be completed with a "C" 2.0 or better
  - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

- ACG 2021  Principles of Financial Accounting  3 hrs
- ACG 2071  Principles of Managerial Accounting  3 hrs
- CGS 2100C  Computer Fundamentals for Business  3 hrs
- ECO 2013  Principles of Macroeconomics  3 hrs
- ECO 2023  Principles of Microeconomics  3 hrs

Select one of the following sequences of courses:
- Students who have not completed both MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.
- ECO 3401  Quantitative Business Tools I  3 hrs
  - or
  - MAC 2233  Concepts of Calculus and  3 hrs
  - STA 2023  Statistical Methods I  3 hrs

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (32 hrs)

First or subsequent semester in the College of Business Administration:
- BUL 3130  Legal and Ethical Environment of Business  4 hrs
- ECO 3411  Quantitative Business Tools II  4 hrs
- FIN 3403C  Business Finance  4 hrs
- GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
- GEB 3031L  Cornerstone Lab: Professional Skills for Business  1 hr
- GEB 3375  Introduction to International Business  4 hrs
- ISM 3011C  Essentials of Management Information Systems  4 hrs
- MAN 3025  Management of Organizations  4 hrs
- MAR 3023  Marketing  4 hrs

5. Restricted Electives (24 hrs)
- Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

Human Resource Management Track 24 hrs

Required Courses 15 hrs
- MAN 3301  Management of Human Resources  3 hrs
- MAN 4240  Organizations: Theory and Behavior  3 hrs
- MAN 4320  Human Resources Recruitment and Selection  3 hrs
- MAN 4330  Compensation Administration  3 hrs
- MAN 4350  Training and Development  3 hrs

Elective Courses 9 hrs
- BUL 4540  Employment Law  3 hrs
- GEB 3113  How to Start a Business  3 hrs
- GEB 4110  Business Plan Preparation  3 hrs
- GEB 4111  New Venture Finance  3 hrs
- GEB 4435  Moral Foundations of Business  3 hrs
- Any MAN Electives  3 hrs

6. Capstone Requirements (4 hrs)
- MAN 4720  Strategic Management  4 hrs

This course should be taken in the graduating term and requires the following prerequisites:
- FIN 3403C  Business Finance  4 hrs
- GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
- MAN 3025  Management of Organizations  4 hrs
- MAR 3023  Marketing  4 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
None

Related Programs
None

Certificates
None

Related Minors
None

Advising Notes
Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
Courses taken at community colleges do not substitute for upper division courses

Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, 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 X011 Principles of Financial Accounting 3 hrs

Plan of Study
Must complete 9 hours in a summer semester.

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
SPC 1606 Fundamentals of Oral Communication 3 hrs
Cult-Hist I 3 hrs
Elective 3 hrs

Freshman Year - Spring 15 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ENC 1102 Composition II 3 hrs
MAC 1105 College Algebra 3 hrs
Cult-Hist II 3 hrs
Art/Music/Lit 3 hrs

Sophomore Year - Fall 15 hrs
ACG 2021 Principles of Financial Accounting 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Science 3 hrs
Econ/Bus/Ant 3 hrs
Elective 3 hrs

Sophomore Year - Spring 15 hrs
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 15 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
ISM 3530 Quality & Productivity Management 3 hrs
MAN 3025 Management of Organizations 4 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Junior Year - Spring 16 hrs
General Management Track
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs
MAR 3023 Marketing 4 hrs

Senior Year - Fall 16 hrs
General Management Track
GEB 3375 Introduction to International Business 4 hrs
MAN 3301 Management of Human Resources 3 hrs
MAN 4240 Organizations: Theory and Behavior 3 hrs
MAN Elective 3 hrs
MAN Elective 3 hrs

Senior Year - Spring 16 hrs
General Management Track
MAN 4441 Conflict Resolution and Negotiation 3 hrs
MAN 4701 Business Ethics and Society 3 hrs
MAN 4720 Strategic Management 4 hrs
MAN Elective 3 hrs
Elective 3 hrs

Human Resource Management Track
Junior Year - Fall 16 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Junior Year - Spring 15 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
MAN 4441 Conflict Resolution and Negotiation 3 hrs
MAN 4701 Business Ethics and Society 3 hrs
MAN 4720 Strategic Management 4 hrs
MAN Elective 3 hrs
MAI Elective 3 hrs

Senior Year - Fall 16 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs
MAN 4240 Organizations: Theory and Behavior 3 hrs
MAN 4320 Human Resources Recruitment and Selection 3 hrs
MAN 4330 Compensation Administration 3 hrs
MAN Elective 3 hrs

Senior Year - Spring 16 hrs
Free Elective 3 hrs
MAN 4350 Training and Development 3 hrs
MAN 4720 Strategic Management 4 hrs
MAN Elective 3 hrs
MAN Elective 3 hrs

UCF Degree Programs
### UCF Degree Programs

**Marketing (B.S.B.A.)**

**College of Business Administration**

**Department of Marketing, Business Administration II, Room: 101**

[http://www.bus.ucf.edu](http://www.bus.ucf.edu)

Phone: 407-823-2184

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

**Admission Requirements**

- Completion of the UCF General Education program,
- Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department of school in which the student majors.

**Entrepreneurship Track**

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
</tr>
<tr>
<td>GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
</tr>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
</tr>
<tr>
<td>MAN 4802</td>
<td>Entrepreneurship</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISM 3011C</td>
<td>Essentials of Management Information Systems</td>
</tr>
<tr>
<td>MAN 3301</td>
<td>Management of Human Resources</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3461</td>
<td>Financial Statement Analysis or</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>New Venture Finance</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 339I</td>
<td>Professional Selling or</td>
</tr>
<tr>
<td>MAR 3641</td>
<td>Marketing Intelligence</td>
</tr>
</tbody>
</table>

| MAN Elective        | 3 hrs |

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Elective</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GEB 4110</td>
<td>Business Plan Preparation</td>
</tr>
<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
</tr>
<tr>
<td>MAN Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 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/alio/academic_learning_comacts.htm](http://www.oeas.ucf.edu/alio/academic_learning_comacts.htm)

**Equipment Fees**

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

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**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 MAC 1140 Pre-Calculus Algebra 3 hrs

C: **Mathematical Foundations** (6 hrs)

- Required C.GIS 2100C Computer Fundamentals for Business
- Required ECO 3401 Quantitative Business Tools I 3 hrs

D: **Social Foundations** (6 hrs)

- Select 1:
  - Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
  - Suggested ECO 2023 Principles of Microeconomics 3 hrs

- Select 1:
  - Suggested ANT 2000 General Anthropology or 3 hrs
  - Suggested PSY 2012 General Psychology or 3 hrs
  - Suggested SYG 2000 Introduction to Sociology 3 hrs

E: **Science Foundations** (6 hrs)

- Required MAC 2233 Concepts of Calculus and 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

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

- Must be completed with a "C" (2.0) or better
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

**Select one of the following sequences of courses:**

- Students who have not completed both MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401 or MAC 2233
  - ECO 3401 Quantitative Business Tools I 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

**3. Core Requirements: Basic Level** (0 hrs)

- None

**4. Core Requirements: Advanced Level** (50 hrs)

- First or subsequent semester in the College of Business Administration:
  - BUL 3130 Legal and Ethical Environment of Business 4 hrs
  - ECO 3411 Quantitative Business Tools II 4 hrs
  - FIN 3403C Business Finance 4 hrs
  - GEB 3375 Introduction to International Business 3 hrs
  - ISM 3011C Essentials of Management Information Systems 4 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs

1. Required in 1st or 2nd semester

**Required Courses** (18 hrs)

- MAR 3391 Professional Selling 3 hrs
- MAR 3503 Customer Behavior 3 hrs
- MAR 3613 Marketing Analysis and Research 3 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR 4803 Marketing Management 3 hrs
- MAR 4804 Marketing Strategy 3 hrs
5. Restricted Electives (6 hrs)

General Marketing
- Select a minimum of 2 courses from the following list of courses:
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3721 E-Marketing 3 hrs
  - MAR 4156 International Marketing 3 hrs
  - MAR 4231 Retailing Management 3 hrs
  - MAR 4711 Sport Marketing 3 hrs
  - MAR 4712 Healthcare Marketing 3 hrs
  - MAR 4715 Entertainment Marketing 3 hrs
  - MAR 4724 Strategic Foundations in Global E-Business 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
  - MAR 4941 Marketing Internship 3 hrs

1 Either MAR 4156 or MAR 4724 (not both) may be taken as an elective.

Sales 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 sales track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form. Must have earned a grade of B (3.0) or higher in the following to apply:
  - MAR 3391 Professional Selling 3 hrs
  - MAR 4413C Strategic Issues in Sales-Lecture 3 hrs

Take all of the following: 9 hrs
- MAR 3403 Sales Force Management and 3 hrs
- MAR 4413C Strategic Issues in Sales-Lecture and 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs

6. Capstone Requirements (4 hrs)
- MAN 4720 Management 4 hrs

This course should be taken in the graduating term and requires the following prerequisites:
- FIN 343C Business Finance 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- (Variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None
Sophomore Year - Spring 15 hrs
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 16 hrs
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 17 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
MAN 4720 Strategic Management 4 hrs
MAR 4413C Strategic Issues in Sales-Lecture 3 hrs
MAR 4804 Marketing Strategy 3 hrs
GE Non-Business Elective 3 hrs

Senior Year - Spring 17 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
MAN 4720 Strategic Management 4 hrs
MAR 4413C Strategic Issues in Sales-Lecture 3 hrs
MAR 4804 Marketing Strategy 3 hrs
GE Non-Business Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Mathematics - Applied Track (B.S.)
College of Sciences
Department of Mathematics, MAP, Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same
prefix and number as listed in requirements 1, 2 and 3, but with a
suffix of H. These are for students in the Honors Program.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this
  major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester
  hours of regularly scheduled 3000-4000 level courses must be
  taken from the UCF Math Department
- Co-op or internship credit cannot be used in this major
- Students must earn at least a "C" (2.0) in each required
  course
- Students should consult with a departmental advisor
- Courses designated in 1 (General Education Program) and
  2 (Common Program Prerequisites) are usually completed in the
  first 60 hours
- All mathematics courses except the following must either
  be taken from or approved by the Department of Mathematics
  at UCF:
  MAC 2311 Calculus with Analytic Geometry I 4 hrs
  MAC 2312 Calculus with Analytic Geometry II 4 hrs
  MAC 2313 Calculus with Analytic Geometry III 4 hrs
  MAP 2302 Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bring-
  ing GEP hours above 36

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
Required COP 3502C Computer Science I 3 hrs
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)
Physical Science: 4 hrs
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Life & Earth Science: Select one listed course. 3 hrs
## UCF Degree Programs

### 2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for some of the following:
  - COP 3223 Introduction to Programming with C 3 hrs
  - MAC 2311 Calculus with Analytic Geometry I GEP
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Differential Equations 3 hrs
  - PHY 2048C Physics for Engineers & Scientists I GEP
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

### 3. Core Requirements: Basic Level (3 hrs)
- COP 3502C Computer Science I GEP
- MAP 2302 Differential Equations CPP
- PHY 2048C Physics for Engineers & Scientists I GEP/CPP
- PHY 2049C Physics for Engineers and Scientists II CPP
- STA 2023 Statistical Methods I 3 hrs

### 4. Core Requirements: Advanced Level (42 hrs)
- COT 4500 Numerical Calculus 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs
- MTH 3302 Logic and Proof in Mathematics 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

#### Select 1:
- ENC 3310 Magazine Writing I 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs

#### Select 1:
- MAD 4203 Applied Combinatorics 3 hrs
- MAP 4153 Vector and Tensor Analysis 3 hrs

### 5. Restricted Electives (6 hrs)
- Note: Students must satisfy course prerequisites before enrolling in these courses.

#### A. Applied Elective:
- Select 1: 3 hrs
  - COT 4210 Discrete Structures II or 3 hrs
  - COT 4400 Tools for Algorithm Analysis or 3 hrs
  - COT 5507 Computational Methods/Applications or 3 hrs
  - COT 5510 Computational Methods/Linear Systems or 3 hrs
  - EGN 3310 Engineering Analysis-Statics or 3 hrs
  - EGN 3321 Engineering Analysis-Dynamics or 3 hrs
  - EGN 3343 Thermodynamics or (3 hrs)
  - EGN 3373 Principles of Electrical Engineering or 3 hrs
  - STA 4102 Computer Processing of Statistical Data or 3 hrs
  - STA 4641 Risk Theory and Decision or 3 hrs
  - STA 5103 Advanced Computer Processing of Statistical Data 3 hrs

#### B. Biological or physical sciences Elective:
- Select 1: 3 hrs
  - CHM 2210 Organic Chemistry I or 3 hrs
  - CHM 3410 Physical Chemistry I or 4 hrs
  - PCB 3044 Principles of Ecology or 3 hrs
  - PCB 3063 Genetics or 3 hrs
  - PCB 4302C Physiochemical Limnology or 4 hrs
  - PCB 4303C Biological Limnology or 4 hrs
  - PHY 3101 Physics for Engineers and Scientists I or 3 hrs
  - PHY 3323 Electricity and Magnetism I or 3 hrs
  - PHY 4324 Electricity and Magnetism II or 3 hrs
  - PHY 4424 Optics or 3 hrs
  - PHY 4604 Wave Mechanics I 3 hrs

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

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

#### Graduation
- None

### 8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-4 above).
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - COP 3502C Computer Science I 3 hrs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Actuarial Science
- Aerospace Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Mathematics Education
- Mechanical Engineering
- Statistics

### Certificates
- None

### Related Minors
- Computer Science
- Economics
- Physics
- Statistics

### Advising Notes
- None

### Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF.
- Computer Programming course: may use any programming language course with a COP prefix. However, knowledge of programming is still required.
- Physics course: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however, these physics classes and labs are core requirements and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in your first Math course, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

GEP
Freshman Year - Fall 13 hrs
- GEP 3 hrs
- MAP 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
Freshman Year - Spring 16 hrs
- GEP 3 hrs
- MAP 2311 Calculus with Analytic Geometry II 4 hrs
- MAC 3302 Logic and Proof in Mathematics 3 hrs
Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- MAC 3105 Matrix and Linear Algebra 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
Junior Year - Fall 15 hrs
- Free Elective 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
Junior Year - Spring 16 hrs
- Free Elective 3 hrs
- COP 3502C Computer Science I 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs
Senior Year - Fall 16 hrs
- Restricted Elective 3 hrs
- COT 4500 Numerical Calculus 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- STA 4321 Statistical Theory I 3 hrs
Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- MAP 4103 Mathematical Modeling I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- Writing Core 3 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

Mathematics - Computational Track (B.S.)
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAP 2322 Calculus with Analytic Geometry III 4 hrs
  - COP 3502C Computer Science I 3 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAC 2314 Calculus with Analytic Geometry IV 4 hrs
  - MAP 2302 Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
- A: Communication Foundations (9 hrs)
- B: Cultural & Historical Foundations (9 hrs)
- C: Mathematical Foundations (7 hrs)
  - Required COP 3502C Computer Science I 3 hrs
  - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- D: Social Foundations (6 hrs)
- E: Science Foundations (7 hrs)
  - Physical Sciences: 4 hrs
    - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
  - Life Sciences: 3 hrs
    - Select one course listed in GEP E 2

2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for some of the following.
  - COP 3502C Computer Science I 3 hrs
  - MAC 2311 Calculus with Analytic Geometry I 3 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Differential Equations 3 hrs
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (3 hrs)
- COP 3502C Computer Science I 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- STA 2023 Statistical Methods I 3 hrs
UCF Degree Programs

4. Core Requirements: Advanced Level (42 hrs)
- COP 3503C Computer Science II 4 hrs
- COT 4500 Numerical Calculus 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

Select 1:
- COP 3100C Introduction to Discrete Structures or 3 hrs
- MHP 3302 Logic and Proof in Mathematics 3 hrs

Select 1:
- MAP 4103 Mathematical Modeling I or 3 hrs
- MAP 4153 Vector and Tensor Analysis 3 hrs

5. Restricted Electives (18 hrs)

Select 6: 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
- COP 4600 Operating Systems or 3 hrs
- COT 4210 Discrete Structures II or 3 hrs
- EEL 4768C Computer Architecture or 4 hrs
- any MAA, MAD, MAP, MAS, or MTG upper division courses 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Students desiring to complete a double major in both Computer Science and Applied Mathematics must also complete all the requirements of the School of Computer Science. To minimize the total hours taken for both majors, students should select an advanced computer science course for the unrestricted elective.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of C (2.0) or better in each course required in the degree program.
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following: COP 3502C Computer Science I 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics Education
- Statistics

Certificates
- None

Related Minors
- Computer Science
- Physics
- Statistics

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - Computer Programming: may use any programming language course with a COP prefix.
  - Physics: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in your first Math course, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall
- GEP 3 hrs
- Free Elective 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHP 3302 Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall
- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring
- GEP 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall
- GEP 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
248 Undergraduate Catalog 2010-2011
### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oias.ucf.edu/alacademic_learning_compacts.htm](http://www.oias.ucf.edu/alacademic_learning_compacts.htm)

### Mathematics - Engineering/Physics Track (B.S.)

#### College of Sciences

#### Department of Mathematics, Math and Physics, Room: 207

**http://math.ucf.edu**  
**E-mail:** math@mail.ucf.edu  
Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700  
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a C (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Differential Equations 3 hrs

1. **UCF General Education Program (GEP)** (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

<table>
<thead>
<tr>
<th>Requirement Type</th>
<th>Course Code</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>(9 hrs)</td>
<td></td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
<td></td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(7 hrs)</td>
<td></td>
</tr>
<tr>
<td>Required</td>
<td>COP 3502C, MAC 2311</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

2. **Core Requirements: Basic Level** (3 hrs)
- STA 2023 Statistical Methods I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

3. **Core Requirements: Advanced Level** (53 hrs)
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- MAC 2111 Calculus with Analytic Geometry I GEP 3 hrs
- MAC 2112 Calculus with Analytic Geometry II GEP 4 hrs
- MAC 2113 Calculus with Analytic Geometry III GEP 4 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

### Life & Earth Sciences.
- Select one course listed in GEP E. 3 hrs

2. **Common Program Prerequisites (CPP)** (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses below.
- COP 3223 Introduction to Programming with C 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II GEP 4 hrs
- MAC 2313 Calculus with Analytic Geometry III GEP 4 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I GEP 3 hrs
- PHY 2049C Physics for Engineers & Scientists II GEP 4 hrs

3. **Core Requirements: Basic Level** (3 hrs)
- COP 3502C Computer Science I GEP 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I GEP 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I GEP 3 hrs
- STA 2023 Statistical Methods I 3 hrs

4. **Core Requirements: Advanced Level** (53 hrs)
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- MAC 2111 Calculus with Analytic Geometry I GEP 3 hrs
- MAC 2112 Calculus with Analytic Geometry II GEP 4 hrs
- MAC 2113 Calculus with Analytic Geometry III GEP 4 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

### Select 1:
- COP 3100C Introduction to Discrete Structures or 3 hrs
- MHH 3302 Logic and Proof in Mathematics 3 hrs

### Select 1:
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- MAP 3303 Advanced Calculus I 4 hrs
- MAP 4153 Vector and Tensor Analysis 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

### Select 1:
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I 3 hrs
- STA 2023 Statistical Methods I 3 hrs

### Select 1:
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- MAC 2111 Calculus with Analytic Geometry I GEP 3 hrs
- MAC 2112 Calculus with Analytic Geometry II GEP 4 hrs
- MAC 2113 Calculus with Analytic Geometry III GEP 4 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

### Select 1:
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I 3 hrs
- STA 2023 Statistical Methods I 3 hrs

### Select 1:
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- MAC 2111 Calculus with Analytic Geometry I GEP 3 hrs
- MAC 2112 Calculus with Analytic Geometry II GEP 4 hrs
- MAC 2113 Calculus with Analytic Geometry III GEP 4 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

### Select 1:
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I 3 hrs
- STA 2023 Statistical Methods I 3 hrs

### Select 1:
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- MAC 2111 Calculus with Analytic Geometry I GEP 3 hrs
- MAC 2112 Calculus with Analytic Geometry II GEP 4 hrs
- MAC 2113 Calculus with Analytic Geometry III GEP 4 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

### Select 1:
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I 3 hrs
- STA 2023 Statistical Methods I 3 hrs

### Select 1:
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- MAC 2111 Calculus with Analytic Geometry I GEP 3 hrs
- MAC 2112 Calculus with Analytic Geometry II GEP 4 hrs
- MAC 2113 Calculus with Analytic Geometry III GEP 4 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

### Select 1:
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3502C Computer Science I 3 hrs
- STA 2023 Statistical Methods I 3 hrs
UCF Degree Programs

### Select 1:
- CWR 3201 Engineering Fluid Mechanics or 3 hrs
- EML 3701 Fluid Mechanics I or 3 hrs
- ESI 4628C Industrial Engineering Applications of Computers or 3 hrs
- PHY 3101 Physics for Engineers and Scientists III or 3 hrs
- PHZ 3113 Introduction to Theoretical Methods of Physics or 3 hrs

### Select 1:
- CHM 2046 Chemistry Fundamentals I or 3 hrs
- EEL 3004 Electrical Networks or 3 hrs
- EGM 3601 Solid Mechanics or 3 hrs
- EGN 3331 Mechanics of Materials or 3 hrs
- EML 4220 Vibration Analysis or 3 hrs
- ESI 4312 Operations Research or 3 hrs
- PHY 4604 Wave Mechanics I or 3 hrs
- Or any MAA, MAD, MAP, or MAS course at 3000 level or above

### Select 1:
- CES 4100C Structural Analysis I and Lab or 4 hrs
- EAS 3101 Fundamentals of Aerodynamics or 3 hrs
- EEL 3004 Electrical Networks or 3 hrs
- EGM 3601 Solid Mechanics or 3 hrs
- EGN 3331 Mechanics of Materials or 3 hrs
- EIN 3000 Introduction to Industrial Engineering and Management Systems or 2 hrs
- Or any PHY, AST, PHZ, MAA, MAD, MAP, or MAS course at 3000 level or above

### 5. Restricted Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CWR 4101C</td>
<td>Hydrology or</td>
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</tr>
<tr>
<td>CWR 4203C</td>
<td>Hydraulics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4105</td>
<td>Flight Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4200</td>
<td>Flight Structures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4400</td>
<td>Spacecraft Attitude Dynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4505</td>
<td>Orbital Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3342C</td>
<td>Digital Systems or</td>
<td>3 hrs</td>
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<td>EEL 3470</td>
<td>Electromagnetic Fields or</td>
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<td>EEL 3552C</td>
<td>Analog and Digital Communication</td>
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<td>EEL 3657</td>
<td>Linear Control Systems or</td>
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<td>EEL 3801C</td>
<td>Computer Organization or</td>
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<td>EEL 4742C</td>
<td>Embedded Systems or</td>
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<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals or</td>
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<td>EEL 4832</td>
<td>Engineering Applications of Computer Methods or</td>
<td>3 hrs</td>
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<tr>
<td>EEL 4851C</td>
<td>Engineering Data Structures or</td>
<td>4 hrs</td>
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<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis or</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EIN 4333</td>
<td>Production and Distribution Systems or</td>
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<tr>
<td>EMA 4223</td>
<td>Fundamentals of Mechanical Behavior of Materials or</td>
<td>3 hrs</td>
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<td>EML 3262</td>
<td>Kinematics of Mechanisms or</td>
<td>3 hrs</td>
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<td>EML 4142</td>
<td>Heat Transfer or</td>
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<td>EML 4312C</td>
<td>Feedback Control or</td>
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<tr>
<td>EML 4703</td>
<td>Fluid Mechanics II or</td>
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<tr>
<td>ENV 4561</td>
<td>Environmental Engineering - Process Design or</td>
<td>4 hrs</td>
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<tr>
<td>ESI 4234</td>
<td>Quality Engineering or</td>
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</tr>
<tr>
<td>ESI 4523C</td>
<td>Systems Simulation or</td>
<td>3 hrs</td>
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<tr>
<td>PHY 3323</td>
<td>Electricity and Magnetism I or</td>
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<tr>
<td>PHY 4324</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
- Or any MAA, MAD, MAP, or MAS course at 3000 level or above

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

### 8. Electives
- Students desiring a double major in Engineering or Physics and Mathematics must also complete all requirements of both majors. Students should select electives which satisfy both majors simultaneously when possible.

### 9. Additional Requirements
- None

### 10. Required Requirements
- None

### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - COP 3502C Computer Science I 3 hrs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Aerospace Engineering
- Civil Engineering
- Computer Science
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

### Certificates
- None

### Related Minors
- Computer Science
- Physics
- Statistics

### Advising Notes
- None

### Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
# Mathematics - Mathematical Economics Track (B.S.)

### College of Sciences

#### Department of Mathematics, Math and Physics, Room: 207

**http://math.ucf.edu**

**E-mail:** math@mail.ucf.edu

Dr. H. Martin, MAP 215A, martin@math.ucf.edu

Phone: 407-823-5700

The Mathematics - Mathematical Economics track is designed for students who wish to earn a B.S. degree in Mathematics with an emphasis in Economics. This interdisciplinary program is carefully structured so that a student has an opportunity to develop mathematical skills that can be applied to problems in economic theory and quantitative analysis. These critical thinking and analytical skills will be useful as preparation for graduate study and careers in a variety of fields.

### Admission Requirements

- **None**

### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Departmental Residency Requirement:** at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics and Economics Departments.
- **Students must earn at least a “C” (2.0) in each required course.**
- **Co-op or internship credit cannot be used in this major.**
- **Students should consult with a departmental advisor.**
- **Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**
- **Students should consult with the major advisors for the Department of Mathematics and Economics.**
- **All mathematics courses, except the following, must either be taken from or approved by the Department of Mathematics at UCF.**
  - **MAC 2311 Calculus with Analytic Geometry I**
  - **MAC 2312 Calculus with Analytic Geometry II**
  - **MAC 2313 Calculus with Analytic Geometry III**
  - **MAP 3202 Differential Equations**
  - **MAP 3204 Complex Variables**

### 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

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### Plan of Study

#### Freshman Year - Fall

- **GEP** 3 hrs
- **MAC 2311 Calculus with Analytic Geometry I** 4 hrs
- **STA 2023 Statistical Methods I** 3 hrs

#### Freshman Year - Spring

- **GEP** 3 hrs
- **GEP** 3 hrs
- **Core Course** 3 hrs
- **Core Course** 3 hrs
- **MAC 2312 Calculus with Analytic Geometry II** 4 hrs

#### Sophomore Year - Fall

- **GEP** 3 hrs
- **GEP** 3 hrs
- **MAC 2313 Calculus with Analytic Geometry III** 4 hrs
- **PHY 2048C Physics for Engineers & Scientists I** 4 hrs

#### Sophomore Year - Spring

- **GEP** 3 hrs
- **Core Course** 3 hrs
- **Free Elective** 3 hrs
- **MAP 2302 Differential Equations** 3 hrs
- **PHY 2049C Physics for Engineers and Scientists II** 3 hrs

#### Junior Year - Fall

- **GEP** 3 hrs
- **Core Course** 3 hrs
- **Core Course** 3 hrs
- **Free Elective** 3 hrs
- **MAP 4153 Vector and Tensor Analysis** 3 hrs

#### Junior Year - Spring

- **Core Course** 3 hrs
- **Core Course** 3 hrs
- **GEP** 3 hrs
- **MAA 4226 Advanced Calculus I** 4 hrs
- **MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series)** 3 hrs

#### Senior Year - Fall

- **Core Course** 3 hrs
- **Core Course** 3 hrs
- **Restricted Elective** 3 hrs
- **EGN 3321 Engineering Analysis-Dynamics** 3 hrs
- **MAP 4363 Applied Boundary Value Problems I** 3 hrs

#### Senior Year - Spring

- **Core Course** 3 hrs
- **Core Course** 3 hrs
- **Restricted Elective** 3 hrs
- **Core Course** 3 hrs
- **MAP 4364 Applied Boundary Value Problems II** 3 hrs

### Program Academic Learning Compacts

- **Program Academic Learning Compacts**
  - **http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm**
2. Remaining Science Requirement 3 hrs
Complete the section of the Science GEP not yet taken. 3 hrs

2. Common Program Prerequisites (CPP) (14 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes.
COP 3223  Introduction to Programming with C 3 hrs
MAC 2311  Calculus with Analytic Geometry I  GEP
MAC 2312  Calculus with Analytic Geometry II 4 hrs
MAC 2313  Calculus with Analytic Geometry III 4 hrs
MAP 2302  Differential Equations 3 hrs

Select a science course designed for majors: 4 hrs
BSC 2010C  Biology I or 4 hrs
CHM 2045C  Chemistry Fundamentals I or 4 hrs
PHY 2048C  Physics for Engineers & Scientists I 4 hrs

3. Core Requirements: Basic Level (26 hrs)
- ECO 2013  Principles of Macroeconomics 3 hrs
- ECO 2023  Principles of Microeconomics  GEP 3 hrs
- ECO 3101  Intermediate Microeconomics 3 hrs
- ECO 3203  Intermediate Macroeconomics 3 hrs
- ECO 4451  Research Methods in Economics 3 hrs
- MAP 2302  Differential Equations CPP 3 hrs
- MAS 3105  Matrix and Linear Algebra 4 hrs
- MHP 3302  Logic and Proof in Mathematics 3 hrs
- STA 2023  Statistical Methods I  GEP 3 hrs
- STA 4321  Statistical Theory I 3 hrs

Remaining Science Sequence
- Complete the science sequence started in the Common Program Prerequisites.
- PHY 204C  Physics for Engineers and Scientists II 4 hrs
  or
- CHM 2046  Chemistry Fundamentals I and 3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory 1 hr
  or
- BSC 2011C  Biology II 4 hrs

4. Core Requirements: Advanced Level (17 hrs)
- ECO 3410  Mathematical Economics 3 hrs
- ECO 4412  Econometrics 3 hrs
- MAA 4226  Advanced Calculus I 4 hrs
- MAP 4103  Mathematical Modeling I 3 hrs
- MAS 3106  Linear Algebra 4 hrs

5. Restricted Electives (18 hrs)
- Select three courses from each of the following two areas:
  Area 1 9 hrs
  - COT 4500  Numerical Calculus 3 hrs
  - MAD 4203  Applied Combinatorics 3 hrs
  - MAP 4113  Probability, Random Processes and Applications I 3 hrs
  - MAP 4307  Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
  - MAP 4363  Applied Boundary Value Problems I 3 hrs

  Area 2 9 hrs
  - ECO 3703  International Microeconomics 3 hrs
  - ECO 4504  Public Economics 3 hrs
  - ECO 4713  International Macroeconomics 3 hrs
  - ECP 4133  Environmental and Natural Resource Economics 3 hrs
  - ECP 4403  Industrial Organization and Game Theory 3 hrs
  - STA 4322  Statistical Theory II 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None
### Mathematics - Pure Track (B.S.)

**College of Sciences**

**Department of Mathematics, Math and Physics, Room:** 207

**http://math.ucf.edu**

**E-mail:** math@mail.ucf.edu

Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700

**Phone:** 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each required course.

#### UCF Degree Programs

**Freshman Year - Spring**

<table>
<thead>
<tr>
<th>GEP</th>
<th>Hours</th>
<th>ECO 2023: Principles of Microeconomics</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td></td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td></td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MTH 3302</td>
<td></td>
<td>Logic and Proof in Mathematics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>GEP</th>
<th>Hours</th>
<th>ECO 2013: Principles of Macroeconomics</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313</td>
<td></td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAS 3105</td>
<td></td>
<td>Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Sophomore Year - Spring**

<table>
<thead>
<tr>
<th>GEP</th>
<th>Hours</th>
<th>Core Course</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101</td>
<td></td>
<td>Intermediate Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td></td>
<td>Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3106</td>
<td></td>
<td>Linear Algebra</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Junior Year - Fall**

| Free Elective | Hours | GEP | 3 hrs |
| -            |       |     |       |
| Restricted Elective |       |     | 3 hrs |
| ECO 3203: Intermediate Macroeconomics | 3 hrs |
| STA 4521: Statistical Theory I | 3 hrs |

**Junior Year - Spring**

<table>
<thead>
<tr>
<th>GEP</th>
<th>Hours</th>
<th>Core Course</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3410</td>
<td></td>
<td>Mathematical Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4103</td>
<td></td>
<td>Mathematical Modeling I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Senior Year - Fall**

<table>
<thead>
<tr>
<th>GEP</th>
<th>Hours</th>
<th>Core Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ECO 4412: Econometrics</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAA 4226: Advanced Calculus I</td>
<td>4 hrs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year - Spring**

| Free Elective | Hours | Core Course                           | 3 hrs |
| -            |       |                                       |       |
| Free Elective |       |                                       | 3 hrs |
| Restricted Elective |       | 3 hrs |
| ECO 4451: Research Methods in Economics | 3 hrs |

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oears.ucf.edu/aiacademic_learning_compatks.htm

**Mathematics - Pure Track (B.S.)**

- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- 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 2311: Calculus with Analytic Geometry I 4 hrs
  - MAC 2312: Calculus with Analytic Geometry II 4 hrs
  - MAC 2313: Calculus with Analytic Geometry III 4 hrs
  - MAP 2302: Differential Equations 3 hrs

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

   (38 hrs)

   - (Note: Certain courses must be selected for this major, bringing GEP hours above 36)

   **A: Communication Foundations**
   - 9 hrs

   **B: Cultural & Historical Foundations**
   - 9 hrs

   **C: Mathematical Foundations**
   - 7 hrs

   - Required:
     - COP 3502: Computer Science I 3 hrs
     - MAC 2311: Calculus with Analytic Geometry I 4 hrs

   **D: Social Foundations**
   - 6 hrs

   **E: Science Foundations**
   - 7 hrs

   **E.1: Physical Sciences**
   - 4 hrs

   - Required:
     - PHY 2048C: Physics for Engineers & Scientists I 4 hrs

   **E.2: Life & Earth Sciences:**
   - 3 hrs

   - Select a listed course 3 hrs

2. **Common Program Prerequisites (CPP)**

   (18 hrs)

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

   - See Transfer Notes for possible substitutions of certain courses.

   - COP 3223: Introduction to Programming with C 3 hrs
   - MAC 2311: Calculus with Analytic Geometry I GEP
   - MAC 2312: Calculus with Analytic Geometry II 4 hrs
   - MAC 2313: Calculus with Analytic Geometry III 4 hrs
   - MAP 2302: Differential Equations 3 hrs
   - PHY 2048C: Physics for Engineers & Scientists I 4 hrs
   - PHY 2049C: Physics for Engineers and Scientists II CPP
   - STA 2023: Statistical Methods I 3 hrs

3. **Core Requirements: Basic Level**

   (3 hrs)

   - MAP 2302: Differential Equations CPP
   - PHY 2048C: Physics for Engineers & Scientists I GEP/CPP
   - PHY 2049C: Physics for Engineers and Scientists II CPP
   - STA 2023: Statistical Methods I 3 hrs

4. **Core Requirements: Advanced Level**

   (42 hrs)

   - COP 3502C: Computer Science I GEP
   - MAA 4226: Advanced Calculus I 4 hrs
   - MAA 4227: Advanced Calculus I 3 hrs
   - MAD 4203: Applied Combinatorics 3 hrs
   - MAP 4307: Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
   - MAP 4363: Applied Boundary Value Problems I 3 hrs
   - MAS 3105: Matrix and Linear Algebra 4 hrs
   - MAS 3106: Linear Algebra 4 hrs
   - MAS 4301: Abstract Algebra I 3 hrs
   - MTH 3302: Logic and Proof in Mathematics 3 hrs
   - MTG 3302: Introduction to Topology 3 hrs
   - STA 4321: Statistical Theory I 3 hrs
   - STA 4322: Statistical Theory II 3 hrs

**Select 1:**

- ENC 3241: Writing for the Technical Professional 3 hrs
- ENC 3310: Magazine Writing I or 3 hrs
- ENC 3311: Advanced Expository Writing 3 hrs
5. Restricted Electives
   Biological or physical sciences electives
   (3 hrs)
   • Note: Students must satisfy course prerequisites before enrolling in these courses.
   Select 1:
   CHM 2046 Chemistry Fundamentals II or
   or
   CHM 2210 Organic Chemistry I or
   PCB 3044 Principles of Ecology or
   PCB 3063 Genetics or
   PCB 4302C Physiochemical Limnology or
   PCB 4303C Biological Limnology or
   PHY 3101 Physics for Engineers and Scientists III or
   PHY 3323 Electricity and Magnetism I or
   PHY 4424 Optics
   3 hrs

6. Capstone Requirements
   • None

7. Foreign Language Requirements
   Admissions
   • Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation
   • None

8. Electives
   • Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements
   • None

10. Required Minors
    • None

11. Departmental Exit Requirements
    • Earn a grade of “C” (2.0) or better in each course required in the degree program.
    • Participate in an exit interview.
    • Before applying to graduate, the CLAS must be completely satisfied.
    • Computer Competency met by the following:
      COP 3502C Computer Science I
      3 hrs

12. University Minimum Exit Requirements
    • A 2.0 UCF GPA
    • 60 semester hours earned after CLEP awarded
    • 48 semester hours of upper division credit completed
    • 30 of the last 39 hours of course work must be completed in residency at UCF
    • A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    • Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   • 120

Honors In Major
   • None

Related Programs
   • Computer Science
   • Mathematics - Applied Track
   • Mathematics - Mathematical Economics Track
   • Mathematics Education
   • Statistics

Certificates
   • None

Related Minors
   • Computer Science
   • Economics
   • Mathematics
   • Physics
   • Statistics

UCF Degree Programs

Advising Notes
   • None

Transfer Notes
   • Lower division courses taken at community colleges do not substitute for Upper Division courses
   • Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   • The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
     - Computer Programming: may use any programming course with a COP prefix.
     - Physics: may use any PHY, CHM or BSC course with a lab designed for science majors; however, these Physics classes are core requirements and still must be taken.

Plan of Study
   • This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
   • Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
   • Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall
   13 hrs
   GEP
   MAC 2311 Calculus with Analytic Geometry I
   4 hrs
   STA 2023 Statistical Methods I
   3 hrs

Freshman Year - Spring
   16 hrs
   GEP
   MAC 2312 Calculus with Analytic Geometry II
   4 hrs
   MGF 3302 Logic and Proof in Mathematics
   3 hrs

Sophomore Year - Fall
   15 hrs
   GEP
   MAC 2313 Calculus with Analytic Geometry III
   4 hrs
   MAS 3105 Matrix and Linear Algebra
   4 hrs
   PHY 2049C Physics for Engineers & Scientists I
   4 hrs

Sophomore Year - Spring
   14 hrs
   GEP
   MAP 2302 Differential Equations
   3 hrs
   MAS 3106 Linear Algebra
   4 hrs
   PHY 2049C Physics for Engineers & Scientists II
   4 hrs

Junior Year - Fall
   15 hrs
   Free Elective
   3 hrs
   Free Elective
   3 hrs
   COP 3223 Introduction to Programming with C
   3 hrs
   MAP 4307 Applied Boundary Value Problems I
   3 hrs
   MAS 4301 Abstract Algebra I
   3 hrs

Junior Year - Spring
   16 hrs
   Restricted Elective
   4 hrs
   Free Elective
   3 hrs
   Free Elective
   3 hrs
   COP 3502C Computer Science I
   3 hrs
   MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series)
   3 hrs

Senior Year - Fall
   16 hrs
   GEP
   ENC 3241 Writing for the Technical Professional
   3 hrs
   MAA 4226 Advanced Calculus I
   3 hrs
   MAD 4203 Applied Combinatorics
   3 hrs
   STA 4321 Statistical Theory I
   3 hrs

Senior Year - Spring
   16 hrs
   GEP
   Free Elective
   4 hrs
   MAA 4227 Advanced Calculus II
   3 hrs
   MTG 4302 Introduction to Topology
   3 hrs
   STA 4322 Statistical Theory II
   3 hrs
Mathematics Education (B.S.)

College of Education

Department of Teaching and Learning Principles, Education Building, Room: 209

http://education.ucf.edu/mathed

Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Dr. Erhan Hacimogluglu, ED 115L, erhansh@mail.ucf.edu, 407-823-4336

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program. Students are advised to take the preferred courses.
- Meet the foreign language admission requirement.

1 UC 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
- Prefer: PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (7 hrs)
- Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required: STA 2023 Statistical Methods I 3 hrs

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

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

Select 1:
- Prefer: ANT 2511 The Human Species or 3 hrs
- Prefer: BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

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

Take all of the following: 9 hrs

EDF 2005 Introduction to the Teaching Profession and 3 hrs
1 EDF 2085 Introduction to Diversity for Educators and 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 (14 hrs)

- Students must consult advisor regarding course options.
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs
- STA 2023 Statistical Methods I GEP 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 EDF 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 required 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.

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
EXX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Internship I Block 7 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

1 MAE 3940 Internship 3 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs

Specialization Requirements 23 hrs

- A grade of “C-” (1.75) or better is required.
MAE 4634 Programs in Teaching of Mathematics 3 hrs
MAS 3105 Matrix and Linear Algebra 4 hrs
MAS 3203 Introduction to Number Theory 3 hrs
MTH 3302 Logic and Proof in Mathematics 3 hrs
MTH 4404 History of Mathematics 3 hrs
MTG 4212 Modern Geometries 4 hrs
STA 4163 Statistical Methods II 3 hrs

Internship II 12 hrs

- At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
UCF Degree Programs

- 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.
- MAE 4941 Internship 12 hrs
- Restricted Electives (0 hrs)

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- PSC 1121 Physical Science 3 hrs

Freshman Year - Spring
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall
- MAP 2302 Differential Equations 3 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3203 Introduction to Number Theory 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall
- ENC 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- MTG 4212 Modern Geometries 4 hrs

Junior Year - Spring
- MAE 4344 Programs in Teaching of Mathematics 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Senior Year - Fall
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- MAE 3940 Internship 3 hrs
- MAE 4360 Mathematics Instructional Analysis 4 hrs
- MGF 4404 History of Mathematics 3 hrs

Senior Year - Spring
- MAE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oed.ucf.edu/alc/academic_learning_compacts.htm
Mechanical Engineering (B.S.M.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements
■ None

Degree Requirements
■ None

1. UCF General Education Program (GEP) (38 hrs)
■ The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I
Required ENC 1102 Composition II
Select 1:
Prefer SPC 1603 Fundamentals of Technical Presentations or Suggested SPC 1608 Fundamentals of Oral Communication
B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations
Select one class from Cultural Foundations
C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I Required STA 3032 Probability and Statistics for Engineers
D: Social Foundations (6 hrs)
Select 1:
Prefer ECO 2023 Principles of Microeconomics or Suggested ECO 2013 Principles of Macroeconomics
Select one class from Social Foundations
E: Science Foundations (7 hrs)
Required PHY 2048C Physics for Engineers & Scientists I
Select one class from Science Foundations

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.

   ENC 1101 Composition I GEP
   ENC 1102 Composition II GEP
   1 MAC 2311 Calculus with Analytic Geometry I GEP
   1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
   1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
   1 MAP 2202 Differential Equations 3 hrs
   1 PHY 2048C Physics for Engineers & Scientists I GEP
   PHY 2049C Physics for Engineers and Scientists II 4 hrs
Select 1:
   2 CHM 2040C Chemistry Fundamentals IA or 3 hrs
   3 CHM 2041C Chemistry Fundamentals IB or 3 hrs
   1 CHM 2045C Chemistry Fundamentals I or 4 hrs
   1 CHS 1440 Fundamentals of Chemistry for Engineers 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. Must also take CHM 2041C as 2nd part of sequence.
3 A “C” (2.0) or better is required in this course. Must also take CHM 2040C as 1st part of sequence.

3. Core Requirements: Basic Level (2 hrs)
Required Courses: Basic
■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

   EGN 1006C Introduction to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (65 hrs)
Required Courses: Advanced

   EGM 3601 Solid Mechanics 3 hrs
   EGN 3310 Engineering Analysis-Statics 3 hrs
   EGN 3321 Engineering Analysis-Dynamics 3 hrs
   EGN 3343 Thermodynamics 3 hrs
   EGN 3365 Structure and Properties of Materials 3 hrs
   EGN 3373 Principles of Electrical Engineering 3 hrs
   EML 3094C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   EML 3303C Mechanical Engineering Measurements 3 hrs
   EML 3500 Machine Design and Analysis 3 hrs
   EML 3701 Fluid Mechanics I 3 hrs
   EML 414Z Heat Transfer 3 hrs
   EML 4220 Vibration Analysis 3 hrs
   EML 4312C Feedback Control 3 hrs
   EML 4535C CAD/CAM 3 hrs
   STA 3032 Probability and Statistics for Engineers GEP
Select one of the following three options for your senior year to complete your BSME:

   Energy Systems Option 21 hrs
   EML 3101 Thermodynamics of Mechanical Systems and 3 hrs
   EML 4145 Topics in Heat Transfer and 2 hrs
   EML 4221C Mechanical Systems Experimental Techniques and 2 hrs
   EML 4304C Design of Thermo-Fluid Experiment and 2 hrs
   EML 4703 Fluid Mechanics II and 3 hrs
   Approved Electives 9 hrs

   Mechanical Systems Option 21 hrs
   EGM 3601L Solid Mechanics Lab and 2 hrs
   EML 3262 Kinematics of Mechanisms and 3 hrs
   EML 4221C Mechanical Systems Experimental Techniques and 2 hrs
   EML 4304C Design of Thermo-Fluid Experiment and 2 hrs
   Approved Electives 12 hrs

   Materials Option 21 hrs
   EMA 3012C Experimental Techniques in Mechanics and 3 hrs
   EMA 3124 Design and Selection of Materials and 3 hrs
   EMA 4102 Thermodynamics and Kinetics of Materials and 3 hrs
   EMA 4223 Fundamentals of Mechanical Behavior of Materials and 3 hrs
   Approved Electives 9 hrs

5. Restricted Electives (0 hrs)
■ Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.
http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf
**UCF Degree Programs**

**6. Capstone Requirements (6 hrs)**
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

**Select 1:**
- EGN 4412C Interdisciplinary Design I or 3 hrs
- EML 4501C Engineering Design I 3 hrs

**Select 1:**
- EGN 4413C Interdisciplinary Design II or 3 hrs
- EML 4502C Engineering Design II 3 hrs

**7. Foreign Language Requirements**

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

**Graduation**
- None

**8. Electives**
- None

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 128

**Honors In Major**
- None

**Related Programs**
- Aerospace Engineering

**Certificates**
- None

**Related Minors**
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary

**Advising Notes**

**Career and Academic Advising**
- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

**Transfer Notes**
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses may be substituted by an approved Mechanical Engineering technical elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study (128 hrs)**
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

**Mechanical Systems Option:**

**Freshman Year - Fall**
- GEP 15 hrs
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - ENC 1101 Composition I 3 hrs
  - EGN 1006C Introduction to the Engineering Profession 1 hr

**Select 1:**
- CHM 2040C Chemistry Fundamentals I or 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

1 Must take CHM 2041C to complete the sequence

**Freshman Year - Spring**
- GEP 10 hrs
  - MAC 2313 Calculus with Analytic Geometry II 4 hrs

**Sophomore Year - Fall**
- EGN 1007C Engineering Concepts and Methods 1 hr
  - ENC 1102 Composition II 3 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs

**Sophomore Year - Spring**
- GEP 12 hrs
  - EGN 3310 Engineering Analysis-Statics 3 hrs
  - EML 3303C Mechanical Engineering Measurements 3 hrs
  - EML 3343 Thermodynamics 3 hrs
  - EGN 3373 Principles of Electrical Engineering 3 hrs

**Sophomore Year - Summer**
- GEP 9 hrs
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs

**Junior Year - Fall**
- GEP 15 hrs
  - EML 3304C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
  - EGN 3303C Machine Design and Analysis 3 hrs
  - EML 3701 Fluid Mechanics I 3 hrs
  - EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs

**Junior Year - Spring**
- Upper Division Elective 3 hrs
  - EML 4220 Heat Transfer 3 hrs
  - EML 4535C CAD/CAM 3 hrs

**Senior Year - Fall**
- Upper Division Elective 3 hrs
  - EML 4221C Mechanical Systems Experimental Techniques 2 hrs
  - EML 4312C Feedback Control 3 hrs
  - EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs
### Energy Systems Option

**Senior Year - Spring**
- Select 1:
  - EGN 4413C Interdisciplinary Design II or Engineering Design II 3 hrs

**Senior Year - Summer**
- Select 1:
  - EGN 4413C Interdisciplinary Design II or Engineering Design II 3 hrs

### Materials Option

**Senior Year - Fall**
- Select 1:
  - EGN 4413C Interdisciplinary Design I or Engineering Design I 3 hrs

**Senior Year - Spring**
- Select 1:
  - EGN 4413C Interdisciplinary Design II or Engineering 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](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](http://www.biomed.ucf.edu)
Dr. P.E. Kolattukudy, Chair
Ms. Dorilyn Hitchcock, Program Director, hitchcod@mail.ucf.edu
Phone: 407-823-5932

#### Admission Requirements
- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

#### UCF General Education Program (GEP)
- **A: Communication Foundations** (9 hrs)
- **B: Cultural & Historical Foundations** (9 hrs)
- **C: Mathematical Foundations** (6 hrs)
  - Prefer MAC 1105 College Algebra 3 hrs
  - Required STA 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

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
UCF Degree Programs

2. Common Program Prerequisites (CPP) (25 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - BSC 2010C  Biology I  
   - MCB 3020C  General Microbiology  
   - PCB 3703C  Human Physiology  
   - STA 2023  Statistical Methods I  
   - ZOO 3733C  Human Anatomy

Take all of the following: 4 hrs
   - CHM 2045C  Chemistry Fundamentals I and
   - CHM 2046  Chemistry Fundamentals II and
   - CHM 2046L  Chemistry Fundamentals Laboratory

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

1 See Transfer Notes

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (64 hrs)
   - BSC 3403C  Quantitative Biological Methods  
   - CGS 1060C  Introduction to Computer Science  
   - MLS 3220C  Techniques in Clinical Microscopy  
   - MLS 3305  Hematology  
   - MLS 3305L  Hematology Lab  
   - MLS 3705  Concepts in Education/Management  
   - MLS 4334  Hemostasis  
   - MLS 4430C  Clinical Parasitology  
   - MLS 4460C  Clinical Pathogenic Microbiology  
   - MLS 4505C  Immunodiagnostics  
   - MLS 4550  Clinical Immunohematology  
   - MLS 4625  Advanced Clinical Chemistry I  
   - MLS 4625L  Advanced Clinical Chem I Lab  
   - MLS 4630  Advanced Clinical Chemistry II  
   - MLS 4830C  Interpretive & Practical Clinical Chemistry  
   - MLS 4831C  Interpretive & Practical Immunohematology  
   - MLS 4832C  Interpretive & Practical Hematology  
   - MLS 4833C  Diagnostic Microbiology  
   - MLS 4910  Introduction to Clinical Research  
   - MLS 4933  Medical Technology Seminar  
   - PCB 3233  Immunology  
   - PCB 3233L  Immunology Laboratory

5. Restricted Electives (0 hrs)
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements

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

Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum 2.5 overall GPA is required for clinical assignment.
    - The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University’s didactic component and the clinical component in affiliated hospital laboratories.

   Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.
   - Students must earn a grade of “C” (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 126

Honors in Major
   - None

Related Programs
   - Biology
   - Chemistry
   - Molecular Biology and Microbiology

Certificates
   - None

Related Minors
   - Biology
   - Chemistry
   - Molecular Biology and Microbiology

Advising Notes
   - None

Transfer Notes
   - Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses
   - MCB 3020C  General Microbiology  
   - may be substituted with: MCB 2010C Human Anatomy and Physiology I and II (BSC 2093/BSC 2094)

Plan of Study

Freshman Year - Fall 16 hrs
   - CGS 1060C  Introduction to Computer Science  
   - CHM 2045C  Chemistry Fundamentals I  
   - ENC 1101  Composition I  
   - MAC 1105  College Algebra  
   - SPC 1608  Fundamentals of Oral Communication

Freshman Year - Spring 17 hrs
   - BSC 2010C  Biology I  
   - CHM 2046  Chemistry Fundamentals II  
   - CHM 2046L  Chemistry Fundamentals Laboratory  
   - ENC 1102  Composition II  
   - STA 2023  Statistical Methods I

Select 1: 3 hrs
   - ANT 2000  General Anthropology or
   - PSY 2012  General Psychology or
   - SYG 2000  Introduction to Sociology

Sophomore Year - Fall 16 hrs
   - CHM 2210  Organic Chemistry I  
   - ZOO 3733C  Human Anatomy

Select 1: 3 hrs
   - ECO 2013  Principles of Macroeconomics or
   - POS 2041  American National Government
## UCF Degree Programs

### Modern Language Combination (B.A.)

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**

http://mll.cah.ucf.edu/

E-mail: forlang@mail.ucf.edu

Dr. Paul Giordano, 407-823-2472

Placement in Language courses: Placement in language courses is based on one year of high school language being equivalent to one semester of college work. Students must consult an advisor. Native speakers or students who have received advanced education abroad must substitute select classes.

### 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

### Modern Language Combination (B.A.)

#### First Language (French, German or Spanish)

- 261 credits in the first language and 15 credits in the second
- Language credit by exam will not be given in courses lower in level than those in which credit by Examination in literature courses only.
- Students must see their departmental advisor for counseling and schedule approval before registering.

#### Core Requirements: Basic Level

- None

#### Core Requirements: Advanced Level

- None

#### First Language (French, German or Spanish)

#### Oral Communication (Select One)

- 3 hrs

#### Linguistics (Select One)

- 3 hrs

#### Modern Language Combination (B.A.)

#### 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

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.
- 24 credits in the first language and 15 credits in the second must be taken at the 3000 level or above.
- At least 33 credit hours must be taken in Modern Language courses taught in the target language.
- Students must earn at least a “C” (2.0) in each upper division foreign language course.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 21 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 credit by Examination in literature courses only.
- Students must see their departmental advisor for counseling and schedule approval before registering.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP)

#### A: Communication Foundations

- (9 hrs)

#### B: Cultural & Historical Foundations

- (9 hrs)

#### C: Mathematical Foundations

- Required MGF 1106 Finite Mathematics

#### 2. Common Program Prerequisites (CPP)

- (0 hrs)

#### D: Social Foundations

- (6 hrs)

#### E: Science Foundations

- (6 hrs)

#### E: Science Foundations

- (6 hrs)

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level

#### First Language (French, German or Spanish)

- 24 hrs

#### Composition (Select One)

- 3 hrs

#### Oral Communication (Select One)

- 3 hrs

#### Linguistics (Select One)

- 3 hrs

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.
- 24 credits in the first language and 15 credits in the second must be taken at the 3000 level or above.
- At least 33 credit hours must be taken in Modern Language courses taught in the target language.
- Students must earn at least a “C” (2.0) in each upper division foreign language course.
- Co-op or internship credit cannot be used in this major.
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- Language credit by exam will not be given in courses lower in level than those in which credit by Examination in literature courses only.
- Students must see their departmental advisor for counseling and schedule approval before registering.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP)

#### A: Communication Foundations

- (9 hrs)

#### B: Cultural & Historical Foundations

- (9 hrs)

#### C: Mathematical Foundations

- Required MGF 1106 Finite Mathematics

#### 2. Common Program Prerequisites (CPP)

- (0 hrs)

#### D: Social Foundations

- (6 hrs)

#### E: Science Foundations

- (6 hrs)

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level

#### First Language (French, German or Spanish)

- 24 hrs

#### Composition (Select One)

- 3 hrs

#### Oral Communication (Select One)

- 3 hrs

#### Linguistics (Select One)

- 3 hrs

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.
- 24 credits in the first language and 15 credits in the second must be taken at the 3000 level or above.
- At least 33 credit hours must be taken in Modern Language courses taught in the target language.
- Students must earn at least a “C” (2.0) in each upper division foreign language course.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 21 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 credit by Examination in literature courses only.
- Students must see their departmental advisor for counseling and schedule approval before registering.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP)

#### A: Communication Foundations

- (9 hrs)

#### B: Cultural & Historical Foundations

- (9 hrs)

#### C: Mathematical Foundations

- Required MGF 1106 Finite Mathematics

#### 2. Common Program Prerequisites (CPP)

- (0 hrs)

#### D: Social Foundations

- (6 hrs)

#### E: Science Foundations

- (6 hrs)

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level

#### First Language (French, German or Spanish)

- 24 hrs

#### Composition (Select One)

- 3 hrs

#### Oral Communication (Select One)

- 3 hrs

#### Linguistics (Select One)

- 3 hrs
UCF Degree Programs

Literature (select one sequence)

- SPW 3100 Survey of Spanish Literature I 3 hrs
- SPW 3101 Survey of Spanish Literature II 3 hrs

or

- SPW 3130 Survey of Latin-American Literature I 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs

or

- FRW 3100 Survey of French Literature I 3 hrs
- FRW 3101 Survey of French Literature II 3 hrs

or

- GEW 3100 Survey of German Literature I 3 hrs
- GEW 3101 Survey of German Literature II 3 hrs

1. A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.

Second Language (French, German, Spanish or Italian) 15 hrs

- Communication (Select One) 3 hrs
  - FRE 3420 French Composition or 3 hrs
  - GER 3420 Intensive German Composition or 3 hrs
  - ITA 3420 Italian Composition or 3 hrs
  - SPN 3420 Spanish Composition 3 hrs

- Advanced Oral Communication (select one) 3 hrs
  - FRE 3760 Advanced French Oral Communication or 3 hrs
  - GER 3760 Advanced German Oral Communication or 3 hrs
  - ITA 3760 Advanced Italian Oral Communication or 3 hrs
  - SPN 3760 Advanced Spanish Oral Communication 3 hrs

5. Restricted Electives (0 hrs)

- Restricted Electives in the First Language 9 hrs
  - chosen with departmental advisor

- Restricted Electives in the Second Language 9 hrs
  - chosen with departmental advisor

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by Graduation requirements.

Graduation
- Met by degree program requirements (four semesters or proficiency).

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or higher in at least 39 hrs of upper division Modern Language courses.
- Students are required to satisfactorily complete a departmental exit exam (primary track).
- Computer Competency met by the following: CGS 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 hrs of course work must be completed in residency at UCF
- A maximum of 45 hrs of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors in Major
- None

Related Programs
- French
- Spanish

Certificates
- None

Related Minors
- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 16 hrs

1. GEP 3 hrs
2. GEP 3 hrs
3. GEP 3 hrs
4. CPP 4 hrs
5. ENC 1101 Composition I 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Spring 16 hrs

1. GEP 3 hrs
2. GEP 3 hrs
3. GEP 3 hrs
4. CPP 4 hrs
5. ENC 1102 Composition II 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Sophomore Year - Fall 16 hrs

1. GEP 3 hrs
2. GEP 3 hrs
3. GEP 3 hrs
4. CPP 4 hrs
5. FRE 1120C Elementary French Language and Civilization I 4 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

2 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.
### Sophomore Year - Spring (15 hrs)

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<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>GEP</td>
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</tr>
<tr>
<td>CPP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 1121C Elementary French Language and Civilization II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Junior Year - Fall (15 hrs)

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<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Core Course</td>
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<tr>
<td>Core Course</td>
<td>3 hrs</td>
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<tr>
<td>Core Course</td>
<td>3 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>FRE 2200 Intermediate French Language and Civilization I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Junior Year - Spring (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
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<tbody>
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<td>Core Course</td>
<td>3 hrs</td>
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<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 1121C Elementary French Language and Civilization II</td>
<td>4 hrs</td>
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</table>

1. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Senior Year - Fall (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
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<td>Core Course</td>
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<tr>
<td>Core Course</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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</tbody>
</table>

1. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Senior Year - Spring (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>Core Course</td>
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<tr>
<td>Core Course</td>
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<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
UCF Degree Programs

Select 1:  
CGS 1060C Introduction to Computer Science or 3 hrs  
STA 2023 Statistical Methods I 3 hrs  
GEP  

Chemistry  
Take all of the following: 8 hrs  
CHM 2110 Organic Chemistry I and 3 hrs  
CHM 2111 Organic Chemistry II and 3 hrs  
CHM 211L Organic Laboratory Techniques I 2 hrs  

4. Core Requirements: Advanced Level (25 hrs)  

Life Sciences  
BSC 3403C Quantitative Biological Methods 4 hrs  
MBB 3020C General Microbiology 5 hrs  
MBB 4414 Microbial Metabolism 3 hrs  
PCB 3233L Immunology Laboratory 1 hr  
PCB 3522 Molecular Biology I 3 hrs  
PCB 4239 Molecular Immunology 3 hrs  
PCB 4524 Molecular Biology II 3 hrs  

Chemistry  
BCH 4053 Biochemistry I 3 hrs  

5. Restricted Electives (0 hrs)  

(7 courses minimum)  
(Seven courses from the list below, 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.)  

1. BCH 4054 Biochemistry II 3 hrs  
1. BCH 4103L Biochemical Methods 2 hrs  
1. BOT 4447C General Microbiology 4 hrs  
1. MCB 3202 Principles of Infectious Disease 3 hrs  
1. MCB 3203 Pathogenic Microbiology 3 hrs  
1. MCB 3203L Pathogenic Microbiology 1 hr  
1. MCB 3404A Bacterial Genetics and Physiology 3 hrs  
1. MCB 4114C Deterministic & Systemic Microbiology 4 hrs  
1. MCB 4203 Infectious Processes 3 hrs  
1. MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs  
1. MCB 4276 Epidemiology of Infectious Diseases 3 hrs  
1. MCB 4312 Molecular Biotechnology 3 hrs  
1. MCB 4503C Virology 3 hrs  
1. MCB 4603 Environmental Microbiology 3 hrs  
1. MCB 4721C Methods in Biotechnology 4 hrs  
1. MCB 4970H Honors Undergraduate Thesis II 3 hrs  
1. MCB 5255 Molecular Biology of Disease 3 hrs  
1. MCB 5654 Applied Microbiology 3 hrs  
1. MCB 5932 Current Topics in Molecular Biology 3 hrs  
1. MCB 5932B Techniques in Clinical Microscopy 3 hrs  
1. MLS 3305 Hematology 3 hrs  
1. MLS 4334 Hemostasis 3 hrs  
1. MLS 4430C Clinical Parasitology 2 hrs  
1. MLS 4505C Immunodiagnostics 3 hrs  
1. MLS 4625 Advanced Clinical Chemistry I 3 hrs  
1. MLS 4630 Advanced Clinical Chemistry II 3 hrs  
1. PCB 3063 Genetics 3 hrs  
1. PCB 3703C Human Physiology 4 hrs  
1. PCB 4028 Molecular and Cellular Pharmacology 3 hrs  
1. PCB 4174 Foundation of Bio-Imaging Science 3 hrs  
1. PCB 4235 Cancer Biology 3 hrs  
1. PCB 4251 Tissue Engineering 3 hrs  
1. PCB 4254 Stem Cell Biology 3 hrs  
1. PCB 4614A Genetics II 3 hrs  
1. PCB 4617C Developmental Biology 3 hrs  
1. PCB 4704C Clinical Neuroanatomy and Neuroscience 4 hrs  
1. ZOO 1744C Vertebrate Histology 4 hrs  
1. ZOO 5745C Essentials of Neuroanatomy 4 hrs  

6. Capstone Requirements  
None  

7. Foreign Language Requirements  
Admissions  
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.  

Graduation  
None  

8. Electives  
Variable. 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. Department 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, the CLAS and nine hours of Summer credit (if applicable)  

Total Semester Hours Required  
120  

Honors in Major  
Application and admission through the Department and the Burnett Honors College.  
Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.  
Complete the following course with a grade of B or better (4 credits):  
BSC 3403C Quantitative Biological Methods-Honors 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
Preprofessional Concentration (B.S.)

Plan of Study

Freshman Year - Fall

- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs
- Select 1: 3 hrs
- WOH 2012 World Civilization I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

Sophomore Year - Fall

- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- Select 1: 4 hrs
- MAC 2253 Applied Calculus I or 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Select 1: 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- WOH 2012 World Civilization I 3 hrs

Junior Year - Fall

- 1 BSC 2011C Biology II 4 hrs
- PCB 3522 Molecular Biology I 3 hrs
- Select 1: 4 hrs
- 2 PHY 2048C Physics for Engineers & Scientists I or 4 hrs
- PHY 2053C College Physics I 4 hrs
- Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

Senior Year - Fall

- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- Cultural/Historical 3 hrs

Senior Year - Spring

- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- MCB 4414 Microbial Metabolism 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Molecular Biology and Microbiology - Preprofessional Concentration (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu

E-mail: bcbsinfo@mail.ucf.edu

Dr. P.E. Kolattukudy, Chair

Phone: 407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements

- None
UCF Degree Programs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA I 124.

1. UCF General Education Program (GEP) (36 hrs)
- Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- 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 STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 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.

BS 2010C Biology I GEP
1 CHM 2045C Chemistry Fundamentals I GEP
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I GEP

Select one of the following sequences of courses:

PHY 2053C College Physics I and 4 hrs
or 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 2253 Applied Calculus I or GEP
- MAC 2311 Calculus with Analytic Geometry I GEP

Select 1: 3 hrs
- CGS 1060C Introduction to Computer Science or GEP
- STA 2023 Statistical Methods I GEP

Chemistry

Take all of the following: 8 hrs
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences: Advanced
- BSC 3410C Quantitative Biological Methods 4 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs

Chemistry
- BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives (0 hrs)

Seven courses minimum
- Seven courses from below, of which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.
- Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:

BCH 4054 Biochemistry II 3 hrs
MCB 3202 Principles of Infectious Disease 3 hrs
MCB 3203 Pathogenic Microbiology 3 hrs
MCB 3203L Pathogenic Microbiology 1 hr
MCB 3404 Bacterial Genetics and Physiology 3 hrs
MCB 4203 Infectious Processes 3 hrs
MCB 4276 Epidemiology of Infectious Diseases 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
MCB 4503C Virology 3 hrs
MCB 4970H Honors Undergraduate Thesis II 3 hrs
MCB 5225 Molecular Biology of Disease 3 hrs
MLS 3305 Hematology 3 hrs
MLS 4334 Hemostasis 3 hrs
MLS 4430C Clinical Parasitology 2 hrs
MLS 4505C Immunodiagnostics 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3703C Human Physiology 4 hrs
PCB 4028 Molecular and Cellular Pharmacology 3 hrs
PCB 4235 Cancer Biology 3 hrs
PCB 4514 Genetics II 3 hrs
PCB 4805 Endocrinology 3 hrs
PCB 5238 Immunobiology 3 hrs
ZOO 3701C Human Gross Anatomy & Dissection 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None
## 11. Departmental Exit Requirements

- Student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- Minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

## Honors In Major

- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA, 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following with a grade of B or better (4 credits)
  - BSC 3403H Quantitative Biological Methods-Honors 4 hrs
  - Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits)
  - 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 may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University's requirement that students complete 48 semester hours of upper division (3000/4000 level) credit.
- Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) must take an additional 8 (eight) hours of upper division coursework at UCF.

## Acceptable Substitutes for Transfer Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
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<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
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</table>

## Plan of Study

### Freshman Year - Fall

- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs

### Select 1:

- ANT 2000 General Anthropology or
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology 3 hrs

### Freshman Year - Spring

- BSC 2010C Biology I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs

### Sophomore Year - Fall

- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

### Select 1:

- MAC 2253 Applied Calculus I or
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

### Select 1:

- AMH 2100 U.S. History: 1492-1877 or
- EUH 2000 Western Civilization I or
- HUM 2210 Humanistic Tradition I or
- WOH 2012 World Civilization I 3 hrs

### Sophomore Year - Spring

- BSC 3403C Quantitative Biological Methods 4 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

### Select 1:

- CGS 1060C Introduction to Computer Science or
- STA 2023 Statistical Methods I 3 hrs

### Select 1:

- AMH 2010 U.S. History: 1877-Present or
- EUH 2001 Western Civilization II or
- HUM 2230 Humanistic Tradition II or
- WOH 2022 World Civilization II 3 hrs

### Junior Year - Fall

- 1 BSC 2011C Biology II 4 hrs
- PCB 3522 Molecular Biology I 3 hrs

### Select 1:

- 2 PHY 2048C Physics for Engineers & Scientists I or
- PHY 2053C College Physics I 4 hrs

### Select 1:

- ECO 2013 Principles of Macroeconomics or
- POS 2041 American National Government 3 hrs

### Junior Year - Spring

- 2 PHY 2049C Physics for Engineers & Scientists II 4 hrs

### Restricted Elective

- 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 - Fall

- Restricted Elective 2 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

### Select 1:

- 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

### Senior Year - Fall

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- BCH 4053 Biochemistry I 3 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
Molecular Biology and Microbiology- UCF/USF

Accelerated Medical School (B.S.)

NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Music (B.A.)

College of Arts and Humanities

Department of Music, Colbourn Hall, Room: 205A

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

Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

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

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.1 or 1.B.2 list 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs
   - Prefer STA 2060C Basic Statistics Using Microsoft Excel 3 hrs
   - (may substitute a higher level math)

   D: Social Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (28 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - MUT 1121 Music Theory and Musicianship I 4 hrs
   - MUT 1122 Music Theory and Musicianship II 4 hrs
   - MUT 2126 Music Theory and Musicianship III 4 hrs
   - MUT 2127 Music Theory and Musicianship IV 4 hrs
   - MVK 1111 Class Piano I 1 hr
   - MVK 1112 Class Piano II 1 hr
   - MVK 2121 Class Piano III 1 hr
   - MVK 2122 Class Piano IV 1 hr
   - MUN XXXX Ensembles 4 hrs
   - MVX XXXX Performance 4 hrs

3. Core Requirements: Basic Level (6 hrs)
   - MUL 2014 Introduction to Music History and Literature 3 hrs
   - MUS 1010 Music Forum 0 hrs
   - MUS 2360C Introduction to Music Technology 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   - MUH 3211 Music History and Literature I 3 hrs
   - MUH 3212 Music History and Literature II GEP

5. Restricted Electives (33 hrs)
   - Restricted Electives-Music 15 hrs
     - Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)
     - Choose one MUT 3XXX or MUX 4XXX course 3 hrs
   - Restricted Electives-Non-Music 18 hrs
     - Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements
   - MUS 4900 Music BA Capstone Project 3 hrs

7. Foreign Language Requirements

Admissions

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

Graduation

- Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper-level courses

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each Music course

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
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
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUN XXXX Ensemble 1 hr
- MXV 141X Performance I 2 hrs
- GEP E.1 Science Foundation 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUN XXXX Ensemble 1 hr
- MXV 141X Performance I 2 hrs

Sophomore Year - Fall

- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUN XXXX Ensemble 1 hr
- XXX 1120 Foreign Language 4 hrs

Sophomore Year - Spring

- MGF 1106 Finite Mathematics 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUN XXXX Ensemble 1 hr
- GEP B.1. Cultural & Historical Foundation 3 hrs
- XXX 1121 Foreign Language 4 hrs

Junior Year - Fall

- MUH 3211 Music History and Literature I 3 hrs
- GEP B.2. Cultural & Historical Foundation 3 hrs
- MUT 3/4XXX Music Restricted Elective 3 hrs
- MVX 3/4XXX Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Fall

- GEP D.1. Social Foundation 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- GEP E.2. Science Foundation 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Spring

- MUS 4900 Music BA Capstone Project 3 hrs
- GEP D.2. Social Foundation 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Jazz Studies Track (B.M.)

College of Arts and Humanities

Department of Music, Colbourn Hall, Room: 205

http://www.music.ucf.edu

E-mail: musicaud@mail.ucf.edu

J. Rupert, jrupert@mail.ucf.edu, 407-823-5411
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsaudition.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review

- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0

  This review is a pre-requisite for Performance level III.

Degree Requirements

- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.

UCF Degree Programs

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**UCF General Education Program (GEP) (36 hrs)**

**A: Communication Foundations**
- Required: SPC 1608 Fundamentals of Oral Communication 3 hrs

**Take all of the following:** 6 hrs
- Required: ENC 1101 Composition I 3 hrs
- Required: ENC 1102 Composition II 3 hrs

**B: Cultural & Historical Foundations**
- Required: MUL 2016 Evolution of Jazz 3 hrs
- Select one course from 1.B.1 list 3 hrs
- Select one course from 1.B.2 list 3 hrs

**C: Mathematical Foundations**
- Required: STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- Prefer: MGF 1106 Finite Mathematics 3 hrs
- Prefer: STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

**D: Social Foundations**

**E: Science Foundations**

**2. Common Program Prerequisites (CPP) (24 hrs)**

**3. Core Requirements: Basic Level**
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUL 2016 Evolution of Jazz GEP
- MUS 1010 Music Forum 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs

**4. Core Requirements: Advanced Level**
- MUH 4814 Jazz Styles and Analysis 3 hrs
- MUS 3953 Racial Performance I 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MUS 4954 Racial Performance II 3 hrs
- MUT 3170 Jazz Theory I 3 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MUT 3923 Jazz Workshop 3 hrs

**Select 1:**
- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II 3 hrs

**4. Core Requirements: Advanced Level**

**5. Restricted Electives**

**6. Capstone Requirements**

**7. Foreign Language Requirements**

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**Specialty Requirements (Choose one): 27 hrs**

**Trumpet**
- MVB 1411 Trumpet I 2 hrs
- MVB 2421 Trumpet II 2 hrs
- MVB 3433 Trumpet III 2 hrs
- MVB 4443 Trumpet IV 4 hrs

**Restricted Electives**

**Trombone**
- MVB 1413 Trombone I 2 hrs
- MVB 2423 Trombone II 2 hrs
- MVB 3433 Trombone III 2 hrs
- MVB 4443 Trombone IV 4 hrs

**Restricted Electives**

**Saxophone**
- MVW 1415 Saxophone I 2 hrs
- MVW 2425 Saxophone II 2 hrs
- MVW 3435 Saxophone III 2 hrs
- MVW 4445 Saxophone IV 4 hrs

**Restricted Electives**

**Jazz Piano**
- MVJ 1010 Jazz Piano I 2 hrs
- MVJ 2220 Jazz Piano II 2 hrs
- MVJ 3230 Jazz Piano III 3 hrs
- MVJ 4240 Jazz Piano IV 4 hrs

**Restricted Electives**

**Jazz Bass**
- MVJ 1214 Jazz Bass I 2 hrs
- MVJ 2224 Jazz Bass II 2 hrs
- MVJ 3234 Jazz Bass III 3 hrs
- MVJ 4244 Jazz Bass IV 4 hrs

**Restricted Electives**

**Jazz Guitar**
- MVJ 1213 Jazz Guitar I 2 hrs
- MVJ 2223 Jazz Guitar II 2 hrs
- MVJ 3233 Jazz Guitar III 3 hrs
- MVJ 4243 Jazz Guitar IV 4 hrs

**Restricted Electives**

**Jazz Drum Set**
- MVJ 1219 Jazz Drum Set I 2 hrs
- MVJ 2229 Jazz Drum Set II 2 hrs
- MVJ 3339 Jazz Drum Set III 3 hrs
- MVJ 4349 Jazz Drum Set IV 4 hrs

**Restricted Electives**

**8. Electives**

**9. Additional Requirements**

**10. Required Minors**

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**University of Central Florida**

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### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by the following course, or departmental examination:
  - MUS 2360C Introduction to Music Technology 3 hrs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Music
- Music Education
- Theatre

### Certificates
- None

### Related Minors
- Digital Media
- Music
- Theatre

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- Program A: Jazz Trumpet, Trombone, Saxophone

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MVX 141X Performance I 2 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MVX 141X Performance I 2 hrs
- Science Foundation 3 hrs

#### Sophomore Year - Fall
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUT 3170 Jazz Theory I 3 hrs
- MVK 2121 Class Piano III 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MVX 242X Performance II 2 hrs

#### Sophomore Year - Spring
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2127 Music Theory and Musicianship IV 4 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MVK 2122 Class Piano IV 1 hr
- Cultural & Historical Foundation 3 hrs

**UCF Degree Programs**
Students will be required to pass this evaluation before entering based on the Professional Sequence Entrance Review. Students will be accepted acceptance into the Bachelor of Music in Composition in the two years of study. Students will normally be considered for 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.

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: $45 per term
- Full-Time Student: $90 per term

Music - Music Composition Track (B.M.)
College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements
Audition Requirements for Admission
- 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 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 prerequisite 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 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 MUC 3106C Composition I 3 hrs
    - Select one course from 1.B.1 list 3 hrs
    - Select one course from 1.B.2 list 3 hrs

    C: Mathematical Foundations (6 hrs)
    - MGF 1106 Finite Mathematics 3 hrs
    - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
    1 (may substitute a higher level math)

    D: Social Foundations (6 hrs)

    E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

    MUC 1101C Composition I 2 hrs
    MUC 2104C Composition II 2 hrs
    MUG 3104 Basic Conducting 2 hrs
    MUH 3212 Music History and Literature I 3 hrs
    MUS 2360C Introduction to Music History and Literature I 3 hrs
    MUS 2360D Introduction to Music History and Literature II 3 hrs
    MUS 1010 Music Forum 0 hrs
    MUS 3200C Introduction to Music Technology 3 hrs
    MUS 4571 Analysis of Twentieth-Century Music 3 hrs
    MUS XXX Major Ensemble (four semesters) 4 hrs

3. Core Requirements: Basic Level (20 hrs)

    MUC 1101C Composition I 2 hrs
    MUC 2104C Composition II 2 hrs
    MUG 3104 Basic Conducting 2 hrs
    MUH 3212 Music History and Literature I 3 hrs
    MUS 2360C Introduction to Music History and Literature I 3 hrs
    MUS 1010 Music Forum 0 hrs
    MUS 2360C Introduction to Music Technology 3 hrs
    MUS 4571 Analysis of Twentieth-Century Music 3 hrs
    MUS XXX Major Ensemble (four semesters) 4 hrs

4. Core Requirements: Advanced Level (23 hrs)

    MUC 3105C Composition III 3 hrs
    MUC 4106C Composition IV 4 hrs
    MUC 4950 Composition Recital 0 hrs
    MUS 4311 Orchestration 3 hrs
    MUS 4401 Counterpoint 3 hrs
    One course selected from MUC/MUH/MUS/MUT, 3000 level or above 3 hrs
    1 Two semesters for total 6 hrs
    2 Two semesters for total 8 hrs
5. Restricted Electives (9 hrs)
- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

Special Non-Course Requirements: Major Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble Directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Special Non-Course Requirements: Minor Ensemble Participation
- 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.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by the following or departmental examination:
  MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music
- Music Education
- Theatre

Certificates
- None

Related Minors
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MVK 1111 Class Piano I 1 hr
MUN XXXX Major Ensemble 1 hr
MVX 141X Performance I 2 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVK 1112 Class Piano II 1 hr
MVX 141X Performance I 1 hr
MUN XXXX Major Ensemble 1 hr
Science Foundation 3 hrs

Sophomore Year - Fall 15 hrs
MUC 1101C Composition I 2 hrs
MUG 3104 Basic Conducting 2 hrs
MUS 1010 Music Forum 0 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MVK 2121 Class Piano III 1 hr
SPC 1608 Fundamentals of Oral Communication 3 hrs
MUN XXXX Major Ensemble 1 hr
MVX 242X Performance II 2 hrs

Sophomore Year - Spring 16 hrs
MGC 1106 Finite Mathematics 3 hrs
MUC 2104C Composition II 2 hrs
MUS 1010 Music Forum 0 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
Cultural/Historical Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr
MVX 242X Performance II 2 hrs

1 (GEP C.1.)

Junior Year - Fall 16 hrs
MUC 3105C Composition III 3 hrs
MUH 3211 Music History and Literature I 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 4371 Analysis of Twentieth-Century Music 3 hrs
MUK 3/4XXX Restricted Electives 3 hrs
Cultural/Historical Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr
Junior Year - Spring 16 hrs
MUC 3105C Composition III 3 hrs
1 MUH 3212 Music History and Literature II 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 4311 Orchestration 3 hrs
2 STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
MUN XXXX Major Ensemble 1 hr
MUX 3/4XXX Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
MUC 4106C Composition IV 4 hrs
MUS 1010 Music Forum 0 hrs
MUT 4401 Counterpoint 3 hrs
Social Foundation 3 hrs
MUX 3/4XXX Restricted Electives 3 hrs

Senior Year - Spring 13 hrs
MUC 4106C Composition IV 4 hrs
MUC 4950 Composition Recital 0 hrs
MUS 1010 Music Forum 0 hrs
MUT 4401 Counterpoint 3 hrs
Social Foundation 3 hrs
MUX 3/4XXX Restricted Electives 3 hrs

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, Colbourn Hall, Room: 205
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements
Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Performance level III.
- Completion of the following courses:
  MUS 2360C Introduction to Music Technology 3 hrs
  MUT 2127 Music Theory and Musicianship IV 4 hrs

Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
Voice  
MUL 3602  Song Literature and  3 hrs
MUS 1250  IPA for Singers and  1 hr
MUS 3254  Italian and French Lyric Diction and  2 hrs
MUS 3255  German and English Lyric Diction and  2 hrs
MUV 4640  Voice Pedagogy and  2 hrs
MUN XXXX Major Ensembles and  2 hrs
MUN XXXX Minor Ensembles and  2 hrs
Foreign Language (French, German, or Italian)  8 hrs

Woodwinds  
MUL 4444  Woodwind Literature and Pedagogy and  3 hrs
MUN XXXX Major Ensembles and  2 hrs
MUN XXXX Minor Ensembles and  4 hrs
Restricted Electives and  8 hrs
Electives  5 hrs

Brass  
MUL 4443  Brass Literature and Pedagogy and  3 hrs
MUN XXXX Major Ensembles and  2 hrs
MUN XXXX Minor Ensembles and  4 hrs
Restricted Electives and  8 hrs
Electives  5 hrs

Percussion  
MUL 3463  Percussion Literature and  2 hrs
MVP 3630  Percussion Pedagogy and  2 hrs
MUN XXXX Major Ensembles and  2 hrs
MUN XXXX Minor Ensembles and  4 hrs
Restricted Electives and  7 hrs
Electives  5 hrs

Strings  
MUL 4437  String Literature and Pedagogy and  3 hrs
MUN XXXX Major Ensembles and  2 hrs
MUN XXXX Minor Ensembles and  4 hrs
Restricted Electives and  8 hrs
Electives  5 hrs

1 Repeat once

5. Restricted Electives (0 hrs)  
- 3-15 hrs
- Choose one MUT 3XXX or MUT 4XXX course
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUL, MVX courses numbered 3000 or higher.

6. Capstone Requirements  
- None

7. Foreign Language Requirements  
Admissions  
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation  
- None

8. Electives  
- Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements  
- Special Non-Course Requirements:  
  Major Ensemble Participation  
  - Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
  - Ensemble assignment is by the Ensemble directors.
  - Students must take Major Ensemble during each semester at UCF.
  - Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Minor Ensemble Participation  
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

10. Required Minors  
- None

11. Departmental Exit Requirements  
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by the following course, or departmental examination:  
  MUS 2360C  Introduction to Music Technology  3 hrs

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  
- 120

Honors In Major  
- None

Related Programs  
- Music
- Music Education
- Theatre - Musical Theatre Track

Certificates  
- None

Related Minors  
- Digital Media
- Music
- Theatre

Advising Notes  
- None

Transfer Notes  
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses  
- None

Plan of Study  
- Program A: Strings, Woodwinds, Brass

Freshman Year - Fall  
- ENC 1101  Composition I  3 hrs
- MUL 2014  Introduction to Music History and Literature  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 1121  Music Theory and Musicanship I  4 hrs
- MVX 1111  Class Piano I  1 hr
- MUN XXXX Major Ensemble  1 hr
- MVX 141X Performance I  2 hrs

Freshman Year - Spring  
- ENC 1102  Composition II  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUS 2360C  Introduction to Music Technology  3 hrs
- MUT 1122  Music Theory and Musicanship II  4 hrs
- MVX 1112  Class Piano II  1 hr
- MUN XXXX Major Ensemble  1 hr
- MVX 141X Performance I  2 hrs
- Science Foundation  3 hrs
### UCF Degree Programs

#### Sophomore Year - Fall
- MUG 3104  Basic Conducting  2 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 2126  Music Theory and Musicianship III  4 hrs
- MVK 2121  Class Piano III  1 hr
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs
- MUN XXXX Major Ensemble  1 hr
- MUN XXXX Minor Ensemble  1 hr
- MVX 242X Performance II  2 hrs

#### Sophomore Year - Spring
- MGF 1106  Finite Mathematics  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 2127  Music Theory and Musicianship IV  4 hrs
- MVK 2122  Class Piano IV  1 hr
- Cultural & Historical Foundation  3 hrs
- MUN XXXX Major Ensemble  1 hr
- MUN XXXX Minor Ensemble  1 hr
- MVX 242X Performance II  1 hr

#### Junior Year - Fall
- MUH 3211  Music History and Literature I  3 hrs
- MUS 1010  Music Forum  0 hrs
- Cultural & Historical Foundation  3 hrs
- MVX 343X Performance III  3 hrs
- MUX 3/4XXX Restricted Electives  3 hrs
- MUN XXXX Major Ensemble  1 hr
- MUN XXXX Minor Ensemble  1 hr

#### Junior Year - Spring
- MUH 3212  Music History and Literature II  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUS 3953  Recital Performance I  0 hrs
- MUX 3/4XXX Restricted Electives  3 hrs
- MUN XXXX Major Ensemble  1 hr
- MUN XXXX Minor Ensemble  1 hr
- Professional Sequence Entrance Interview  1 hr

#### Senior Year - Fall
- MUS 1010  Music Forum  0 hrs
- Free Elective  2 hrs
- Social Foundation  3 hrs
- Science Foundation  3 hrs
- MUN XXXX Major Ensemble  1 hr
- MUN 3XXX Restricted Elective  1 hr

#### Senior Year - Spring
- MUS 1010  Music Forum  0 hrs
- MUS 4954  Recital Performance II  0 hrs
- Free Elective  2 hrs
- Social Foundation  3 hrs
- MVX 444X Performance IV  4 hrs
- MUN XXXX Major Ensemble  1 hr
- MUN 3XXX Restricted Elective  1 hr

#### Program B: Percussion

#### Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- MUL 2014  Introduction to Music History and Literature  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 1121  Music Theory and Musicianship I  4 hrs
- MVK 1111  Class Piano I  1 hr
- MVP 1411  Percussion I  2 hrs
- MUN XXXX Major Ensemble  1 hr
- Science Foundation  3 hrs

#### Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUS 2360C  Introduction to Music Technology  3 hrs
- MUT 1122  Music Theory and Musicianship II  4 hrs
- MVK 1112  Class Piano II  1 hr
- MVP 1411  Percussion I  2 hrs
- MUN XXXX Major Ensemble  1 hr
- Science Foundation  3 hrs

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### Sophomore Year - Fall
- MUG 3104: Basic Conducting 2 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 2126: Music Theory and Musicianship III 4 hrs
- MVK 2121: Class Piano III 1 hr
- MVK 2421: Piano II 2 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- STA 1060C: Basic Statistics Using Microsoft Excel 3 hrs
**Total:** 16 hrs

### Sophomore Year - Spring
- MGF 1106: Finite Mathematics 3 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 2127: Music Theory and Musicianship IV 4 hrs
- MVK 2122: Class Piano IV 1 hr
- MVS 2426: Guitar II 2 hrs
- Cultural & Historical Foundation 3 hrs
- Professional Sequence Entrance Review
**Total:** 14 hrs

### Junior Year - Fall
- MUN 3211: Music History and Literature I 3 hrs
- MUL 3400: Piano Literature I 2 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 4571: Analysis of Twentieth-Century Music 3 hrs
- MVK 3431: Piano III 2 hrs
- Cultural & Historical Foundation 3 hrs
- **Total:** 15 hrs

### Junior Year - Spring
- MUH 3212: Music History and Literature II 3 hrs
- MUL 3401: Piano Literature II 2 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUS 3953: Recital Performance I 0 hrs
- MVK 3431: Piano III 2 hrs
- MVX 3/4XXX Restricted Electives 6 hrs
- **Total:** 15 hrs

### Senior Year - Fall
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MVK 4441: Piano IV 4 hrs
- MVK 4640: Piano Pedagogy I 2 hrs
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- Free Elective 2 hrs
- **Total:** 15 hrs

### Senior Year - Spring
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MVK 4441: Piano IV 4 hrs
- MVK 4640: Piano Pedagogy I 2 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Free Elective 3 hrs
- **Total:** 14 hrs

### Program E: Voice
### Freshman Year - Fall
- ENC 1101: Composition I 3 hrs
- MUL 2014: Introduction to Music History and Literature 3 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 1121: Music Theory and Musicianship I 4 hrs
- MVK 1111: Class Piano I 1 hr
- MVK 1416: Guitar I 2 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Free Elective 3 hrs
- **Total:** 16 hrs

### Freshman Year - Spring
- ENC 1102: Composition II 3 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 1122: Music Theory and Musicianship II 4 hrs
- MVK 1112: Class Piano II 1 hr
- MVK 1416: Guitar I 2 hrs
- Science Foundation 3 hrs
- **Total:** 17 hrs

### Sophomore Year - Fall
- MUG 3104: Basic Conducting 2 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 2126: Music Theory and Musicianship III 4 hrs
- MVK 2121: Class Piano III 1 hr
- MVK 2421: Piano II 2 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- STA 1060C: Basic Statistics Using Microsoft Excel 3 hrs
- **Total:** 16 hrs

### Sophomore Year - Spring
- MGF 1106: Finite Mathematics 3 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 2127: Music Theory and Musicianship IV 4 hrs
- MVK 2122: Class Piano IV 1 hr
- MVS 2426: Guitar II 2 hrs
- Cultural & Historical Foundation 3 hrs
- Professional Sequence Entrance Review
- **Total:** 14 hrs

### Junior Year - Fall
- MUN 3478: Guitar Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 4571: Analysis of Twentieth-Century Music 3 hrs
- MVS 3436: Guitar III 2 hrs
- MVS 4346: Guitar IV 4 hrs
- Cultural & Historical Foundation 3 hrs
- **Total:** 16 hrs

### Junior Year - Spring
- MUN 3478: Guitar Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUS 4954: Recital Performance II 0 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Free Elective 3 hrs
- **Total:** 13 hrs

### Senior Year - Fall
- MUN 3478: Guitar Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUS 4954: Recital Performance II 0 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Free Elective 3 hrs
- **Total:** 16 hrs

### Senior Year - Spring
- MUN 3478: Guitar Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUS 4954: Recital Performance II 0 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Free Elective 3 hrs
- **Total:** 14 hrs

### Program D: Guitar
### Freshman Year - Fall
- ENC 1101: Composition I 3 hrs
- MUL 2014: Introduction to Music History and Literature 3 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 1121: Music Theory and Musicianship I 4 hrs
- MVK 1111: Class Piano I 1 hr
- MVK 1416: Guitar I 2 hrs
- **Total:** 16 hrs

### Freshman Year - Spring
- ENC 1102: Composition II 3 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 1122: Music Theory and Musicianship II 4 hrs
- MVK 1112: Class Piano II 1 hr
- MVK 1416: Guitar I 2 hrs
- **Total:** 16 hrs

### Sophomore Year - Fall
- MUG 3104: Basic Conducting 2 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 2126: Music Theory and Musicianship III 4 hrs
- MVK 2121: Class Piano III 1 hr
- MVK 2421: Piano II 2 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- STA 1060C: Basic Statistics Using Microsoft Excel 3 hrs
- **Total:** 16 hrs

### Sophomore Year - Spring
- MGF 1106: Finite Mathematics 3 hrs
- MUN 3453: Piano Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUT 2127: Music Theory and Musicianship IV 4 hrs
- MVK 2122: Class Piano IV 1 hr
- MVK 2121: Class Piano III 1 hr
- MVK 2421: Piano II 2 hrs
- **Total:** 17 hrs

### Junior Year - Fall
- MUH 3211: Music History and Literature I 3 hrs
- MUG 3104: Basic Conducting 2 hrs
- MUS 1010: Music Forum 0 hrs
- MUS 3254: Italian and French Lyric Diction 2 hrs
- MVK 1111: Class Piano I 1 hr
- MVK 1411: Voice I 2 hrs
- **Total:** 13 hrs

### Junior Year - Spring
- MUH 3212: Music History and Literature II 3 hrs
- MUL 4437: String Literature and Pedagogy 3 hrs
- MUN 3478: Guitar Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUS 4954: Recital Performance II 0 hrs
- **Total:** 13 hrs

### Senior Year - Fall
- MUN XXXX: Major Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUS 4954: Recital Performance II 0 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- **Total:** 16 hrs

### Senior Year - Spring
- MUN XXXX: Major Ensemble 1 hr
- MUS 1010: Music Forum 0 hrs
- MUS 4954: Recital Performance II 0 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Free Elective 3 hrs
- **Total:** 16 hrs
Audition. 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)

**A: Communication Foundations** (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**Take all of the following:**
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)
- Prefer AMH 2010 U.S. History: 1877-Present 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Required MUH 3212 Music History and Literature II 3 hrs

**C: Mathematical Foundations** (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1. (may substitute a higher level math)

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

**E: Science Foundations** (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs
2. Common Program Prerequisites (CPP) (38 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EMU 2040 Introduction to Technology for Educators 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUN XXXX Major Ensembles (4 semesters) 4 hrs
- MVX 141X Performance I (2 semesters) 4 hrs
- MVX 242X Performance II (2 semesters) 4 hrs

1. 4 semesters

3. Core Requirements: Basic Level (5 hrs)

- MUS 1010 Music Forum CPP
- MUT 1121 Music Theory and Musicianship I CPP
- MUT 2126 Music Theory and Musicianship III CPP
- MUT 2127 Music Theory and Musicianship IV CPP
- MUN XXXX Major Ensembles (4 semesters) CPP
- MVX 141X Performance I (2 semesters) CPP
- MVX 242X Performance II (2 semesters) CPP

1. 4 semesters

Music Education Prerequisites - Basic 5 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN XXXX Major Ensembles (2 semesters) 2 hrs

4. Core Requirements: Advanced Level (29 hrs)

- ESE 4943 Internship II - Secondary and 3 hrs
- ESE 4331 Secondary Choral Methods I 3 hrs
- ESE 4335 Secondary Choral Methods II 3 hrs
- ESE 4337 Secondary Instrumental Methods II 3 hrs
- ESE 4394 Seminar in Music Teaching 1 hr
- ESE 4943 Music Internship II 12 hrs
- MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs
- MEG 3943 Choral Conducting and Materials 1 hr

Music Education Prerequisites - Advanced 17 hrs
- ESE 3940 Internship I - Secondary and 3 hrs
- ESE 4331 Secondary Choral Methods I 3 hrs
- ESE 4335 Secondary Choral Methods II 3 hrs
- MUG 3211 Music History and Literature I and 3 hrs
- MUG 3212 Music History and Literature II and 3 hrs
- MVX 343X Performance II (2 Semesters) 4 hrs

Education Core 12 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and 3 hrs
- EDG 4410 Teaching Strategies and Classroom Safety Issues in Schools and 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 and 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

5. Restricted Electives (26 hrs)

- Music Education Specialty Area Courses and Professional Program Courses
- Complete one program

Program A - Instrumental

- ESE 4943 Internship II - Secondary and 7 hrs
- ESE 3940 Internship I - Secondary and 3 hrs
- ESE 4331 Secondary Choral Methods I 3 hrs
- ESE 4335 Secondary Choral Methods II 3 hrs
- MUG 3302 Instrumental Conducting and Materials 1 hr
- MUE 4331 Secondary Instrumental Methods I 3 hrs
- MUE 4335 Secondary Instrumental Methods II 3 hrs
- MUE 4441 String Methods 3 hrs

Select 1: 3 hrs
- MUE 4335 Secondary Choral Methods II or 3 hrs
- MUE 4441 String Methods 3 hrs

Select 5: 5 hrs
- MUE 2440 String Techniques or 1 hr
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 3461 Brass Techniques II 1 hr

Program B - Choral

- ESE 4943 Internship II - Secondary and 7 hrs
- ESE 4331 Secondary Choral Methods I 3 hrs
- ESE 4335 Secondary Choral Methods II 3 hrs
- ESE 4337 Secondary Instrumental Methods II 3 hrs
- ESE 4394 Seminar in Music Teaching 1 hr
- ESE 4943 Music Internship II 12 hrs
- MUG 3202 Choral Conducting and Materials 1 hr
- MUS 1250 IPA for Singers 1 hr
- MUG 3202 Choral or Instrumental Conducting and Materials 2 hrs

Select 3: 3 hrs
- MUE 2440 String Techniques or 1 hr
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 2471 Percussion Techniques II or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 3461 Brass Techniques II 1 hr

Program C - Elementary School

- ESE 4943 Internship II - Secondary and 7 hrs
- ESE 3940 Internship I - Secondary and 3 hrs
- ESE 4331 Secondary Choral Methods I 3 hrs
- ESE 4335 Secondary Choral Methods II 3 hrs
- ESE 4393 Music and Students with Special Needs 2 hrs
- ESE 4394 Seminar in Music Teaching 1 hr

Select 4: 4 hrs
- MUE 2440 String Techniques or 1 hr
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 2471 Percussion Techniques II or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 3461 Brass Techniques II 1 hr

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
Admission to Internship I will be granted to students who meet the following requirements:
- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a “C” or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
UCF Degree Programs

- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 4394) and Internship II (ESE 4943).
- Possess minimum professional preparation GPA of 2.5.
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with the half time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.
- Admission to Internship II will be granted to students who meet the following requirements:
  - Completion of all admission requirements for Internship I (see above).
  - Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
  - Completion of all music methods and techniques courses.
  - Completion of all General Education and Common Program courses.
  - Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements
- Note: Contact the Music Education Advisor for details.
- Electronic Portfolio. Students will develop an electronic portfolio while enrolled in upper division education courses and internship. The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.
- Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.

Recitals
- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

CMENC Membership
- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

Music Education Forums
- Attendance at all Music Education Forums (except during Internship I and II) is expected.

Public School Partnerships
- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors
- None

11. Departmental Exit Requirements
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following: MUE 3693 Technology in Music Education 2 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 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).
### 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:

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<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<td>Introduction to the Teaching Profession</td>
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<td>MUE 2346</td>
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<td>Introduction to Music History and Literature</td>
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#### Program B - Choral Program K-12:

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<td>Sophomore Year - Fall</td>
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</table>

### Acceptable Substitutes for Transfer Courses

- **None**

### 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.
- **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.
UCF Degree Programs

**Sophomore Year - Spring** 15 hrs
- **Apply for Professional Program**
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - MUN XXXX Ensemble 1 hr
- **GEP** 6 hrs
- **MUT 1121** Music Theory and Musicianship I 4 hrs
- **MVK 2122** Class Piano IV 1 hr
- **MUE XXXX Techniques** 1 hr
- **MVX 242X Performance II** 2 hrs
- **MUN XXXX Ensemble** 1 hr

**CMENC/Schools**

**Junior Year - Fall** 16 hrs
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety issues in Schools 3 hrs
- **EDG 4323** Professional Teaching Practices 3 hrs
- **MUE 4331** Secondary Choral Methods I 3 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **MUS 1010** Music Forum 0 hrs
- **MVX 343X Performance III** 2 hrs
- **MUN XXXX Ensemble** 1 hr

**CMENC/Schools**

**Senior Year - Fall** 15 hrs
- **TSL 4080** Theory and Practice of Teaching ESOL 3 hrs
- **MUE 4311** Elementary School Music Methods 2 hrs
- **MUE 4393** Music and Students with Special Needs 2 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **MUS 1010** Music Forum 0 hrs
- **MVX 343X Performance III** 2 hrs
- **MUN XXXX Ensemble** 1 hr

**GEP** 3 hrs

**CMENC/Schools**

**Sophomore Year - Fall** 15 hrs
- **MVH 3211** Music History and Literature I 3 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUT 2126** Music Theory and Musicianship III 4 hrs
- **MVK 2121** Class Piano III 1 hr
- **GEP** 3 hrs
- **MUE XXXX Techniques** 2 hrs
- **MVX 242X Performance II** 2 hrs
- **MUN XXXX Ensemble** 1 hr

**CMENC/Schools**

**Sophomore Year - Spring** 16 hrs
- **Apply for Professional Program**
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - MUN XXXX Ensemble 1 hr
- **GEP** 6 hrs
- **MUT 1121** Music Theory and Musicianship I 4 hrs
- **MVK 2122** Class Piano IV 1 hr
- **MUE XXXX Techniques** 2 hrs
- **MVX 242X Performance II** 2 hrs
- **MUN XXXX Ensemble** 1 hr

**CMENC/Schools**

**Junior Year - Fall** 15 hrs
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety issues in Schools 3 hrs
- **EDG 4323** Professional Teaching Practices 3 hrs
- **MUE 4331** Secondary Choral Methods I 3 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **MUS 1010** Music Forum 0 hrs
- **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 3 hrs
  - **MUE 4331** Music Learning Theory and Assessment 3 hrs
  - **MUG 3104** Basic Conducting 2 hrs
  - **MUS 1010** Music Forum 0 hrs
  - **MVX 343X Performance III** 2 hrs
  - **MUN XXXX Ensemble** 1 hr

**GEP** 3 hrs

**CMENC/Schools**

**Sophomore Year - Spring** 15 hrs
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **MUE 4335** Secondary Choral Methods II 3 hrs
- **MUG 3202** Choral Conducting and Materials 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUS 2300C** Introduction to Music Technology 3 hrs
- **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
- **MUE XXXX Techniques** 1 hr
- **MVX 343X Performance III** 2 hrs
- **MUN XXXX Ensemble** 1 hr

**CMENC/Schools**

**Junior Year - Fall** 15 hrs
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety issues in Schools 3 hrs
- **EDG 4323** Professional Teaching Practices 3 hrs
- **MUE 4331** Secondary Choral Methods I 3 hrs
- **MUE 4393** Music and Students with Special Needs 2 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **MUS 1010** Music Forum 0 hrs
- **MVX 343X Performance III** 2 hrs

**GEP** 3 hrs

**CMENC/Schools**

**Junior Year - Spring** 16 hrs
- **EME 2040** Introduction to Technology for Educators 3 hrs
- **MUE 4335** Secondary Choral Methods II 3 hrs
- **MUS 3202** Choral Conducting and Materials 1 hr
- **MVX 242X Performance II** 2 hrs
- **MUE XXXX Techniques** 2 hrs
- **MVK 2121** Class Piano III 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUH 3211** Music History and Literature I 3 hrs
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **MUE 4331** Secondary Choral Methods I 3 hrs
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **MUE 4335** Secondary Choral Methods II 3 hrs
- **MVX 242X Performance II** 2 hrs
- **MUE 4393** Music and Students with Special Needs 2 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **MUS 1010** Music Forum 0 hrs
- **MVX 343X Performance III** 2 hrs
- **MUN XXXX Ensemble** 1 hr

**GEP** 3 hrs

**CMENC/Schools**

**Junior Year - Spring** 15 hrs
- **EME 2040** Introduction to Technology for Educators 3 hrs
- **MUE 4335** Secondary Choral Methods II 3 hrs
- **MUS 3202** Choral Conducting and Materials 1 hr
- **MVX 242X Performance II** 2 hrs
- **MUE XXXX Techniques** 2 hrs
- **MVK 2121** Class Piano III 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUH 3211** Music History and Literature I 3 hrs
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **MUE 4331** Secondary Choral Methods I 3 hrs
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **MUE 4335** Secondary Choral Methods II 3 hrs
- **MVX 242X Performance II** 2 hrs
- **MUE 4393** Music and Students with Special Needs 2 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **MUS 1010** Music Forum 0 hrs
- **MVX 343X Performance III** 2 hrs
- **MUN XXXX Ensemble** 1 hr

**GEP** 3 hrs

**CMENC/Schools**

**Senior Year - Spring** 15 hrs
- **Take PET and Music Examination of FTCE**
  - **ESE 3940** Internship I - Secondary 3 hrs
  - **MUE 4331** Music Learning Theory and Assessment 3 hrs
  - **MUE 4331** Secondary Choral Methods I 3 hrs
  - **MUE 4333** Music Learning Theory and Assessment 3 hrs

**Select 1:**
- **MUE 4331** Secondary Choral Methods I or
  - **TSL 4080** Theory and Practice of Teaching ESOL 3 hrs

**Students in Schools**

**Program C - Elementary Program**

**Freshman Year - Fall** 17 hrs
- **EDF 2005** Introduction to the Teaching Profession 3 hrs
- **MUE 4335** Secondary Choral Methods II 3 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUT 1121** Music Theory and Musicianship I 4 hrs
- **MVK 1111** Class Piano I 1 hr
- **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
  - **MUS 1010** Music Forum 0 hrs
  - **MUT 1122** Music Theory and Musicianship II 4 hrs
  - **GEP** 6 hrs
  - **MVX 141X Performance I** 2 hrs
  - **MUN XXXX Ensemble** 1 hr

**CMENC/Schools**

**Sophomore Year - Spring**

**Junior 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.oecs.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Nursing (B.S.N.)
College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean, Undergraduate
Ms. Patricia Leli, Undergraduate Coordinator
Phone: 407-823-2744
For individuals who are not Registered Nurses.

The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with a basic faculty advisor.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program
- Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- Application for admission to the University must also be submitted by the program Application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- All applicants must complete a mandatory information session, online or in person, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- At least seven (7) of the nine (9) Common Program Prerequisites must be completed by the program application deadline. This includes Chemistry with Lab, at least 2 courses from Group A, and the remainder from Groups A or B.

Chemistry with Lab 4 hrs
Take all of the following: 4 hrs
- Both required, with grade of B- (2.75) or better.
  CHM 1032 General Chemistry and 3 hrs
  CHM 1032L General Chemistry Laboratory 1 hr
Group A 6 hrs
- A minimum of two courses, with a grade of B- (2.75) or better.
- May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
  Microbiology with Lab 4 hrs
  Anatomy with Lab 3 hrs
  Physiology with Lab 3 hrs

Group B 3 hrs
- A minimum of four courses, with grade of C (2.0) or better at time of application.
- All courses must be completed before program begins.
  Sociology 3 hrs
  Psychology 3 hrs
  Developmental Psychology 3 hrs
  Human Nutrition 3 hrs
  Statistics 3 hrs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program
- UCF Residency Requirement: 30 hours

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)
D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)

1. Mathematics 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test.

2. Statistics 3 hrs
Required STA 2014C Principles of Statistics or 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

2. Social Sciences 3 hrs
- Although either course satisfies General Education requirements, BOTH are required in the Common Program Prerequisites.

3. Economics/Political Science 3 hrs
Required ECO 2013 Principles of Macroeconomics or 3 hrs
Required ECO 2023 Principles of Microeconomics or 3 hrs
Required POS 2041 American National Government 3 hrs

2. Science Courses 3 hrs

3. Economics/Political Science 3 hrs

E: Science Foundations 8 hrs

1. Physical Sciences 4 hrs
Required CHM 1032 General Chemistry and 3 hrs
Required CHM 1032L General Chemistry Laboratory 1 hr

2. Life Sciences 4 hrs
Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) 22 hrs
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information and possible substitutions.
- Some of these courses have prerequisites that must be taken first.
- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
UCF Degree Programs

- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at http://www.nursing.ucf.edu

CHM 1032 General Chemistry  GEP
CHM 1032L General Chemistry Laboratory  1 hr
HUN 3011 Human Nutrition  3 hrs
MCB 2004C Microbiology for Health Professionals  4 hrs
PCB 3703C Human Physiology  4 hrs
PSY 2012 General Psychology  GEP
SYG 2000 Introduction to Sociology  2 hrs
ZOO 3733C Human Anatomy  4 hrs
Select 1:  3 hrs
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I  GEP
Select 1:  3 hrs
- DEP 2004 Developmental Psychology or 3 hrs
- SOW 3104 Assessing I: Human Development  3 hrs

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (62 hrs)
- Any variation from the following must be approved in advance by the College of Nursing:
- NUR 3028 Essentials of Nursing Practice  2 hrs
- NUR 3028L Essentials of Nursing Practice Lab  1 hr
- NUR 3065 Health Assessment  2 hrs
- NUR 3065L Health Assessment Lab  1 hr
- NUR 3125 Pathophysiology for Nursing Practice  3 hrs
- NUR 3145 Pharmacology for Nursing Practice  3 hrs
- NUR 3165 Nursing Research  3 hrs
- NUR 3225 Nursing Care of the Adult I  3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice  2 hrs
- NUR 3445 Nursing Care of Families  3 hrs
- NUR 3445L Nursing Care of Families Clinical  2 hrs
- NUR 3634 Community Health Nursing  3 hrs
- NUR 3634L Community Health Nursing Clinical  2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical  2 hrs
- NUR 3825 The Role of the Professional Nurse  2 hrs
- NUR 4227 Nursing Care of the Adult II  4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice  3 hrs
- NUR 4257 Introduction to Critical Care Nursing  3 hrs
- NUR 4535 Psychiatric Mental Health Nursing  3 hrs
- NUR 4535L Psychiatric Mental Health Clinical  2 hrs
- NUR 4637 Public Health Nursing  2 hrs
- NUR 4637L Public Health Nursing Clinical  1 hr
- NUR 4828 Nursing Leadership, Management and Role Transition  3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics  3 hrs
- NUR 4945L Nursing Practicum  4 hrs

5. Restricted Electives (3 hrs)
- Nursing Electives
  - One College of Nursing elective approved by advisor

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- To continue in the major, students must:
  - Complete all courses in major with at least a “C” (2.0).
  - Maintain a UCF GPA of 2.5 or above.
  - Maintain a College of Nursing GPA of 2.5 or above.

10. Required Minors
- None

11. Departmental Exit Requirements
- All courses in major must be “C” (2.0) or better.
- The UCF GPA must be 2.5 or above.
- The College of Nursing GPA must be 2.5 or above.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 122

Honors in Major

Honors Option Requires:
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.
- Students pursuing a BS degree must meet the University foreign language admission requirements before graduation.

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 1032: May substitute any comprehensive college 4 hrs
  - Chemistry course that has a lab.
  - DEP 2004: May substitute any Human Growth & Development 3 hrs
  - across Life Span
  - HUN 3011: May substitute any Human Nutrition course 3 hrs
  - MCB 2004C: May substitute any Microbiology course which 4 hrs
  - has a lab.
  - PCB 3703C: May take Anatomy and Physiology sequence 4 hrs
  - (AP I & II).
  - PSY 2012: May substitute any General Psychology course. 3 hrs
  - STA 2014C: May substitute STA2023 or equivalent. 3 hrs
  - SYG 2000: May substitute any Introductory Sociology course. 3 hrs
  - ZOO 3733C: May take Anatomy and Physiology sequence 4 hrs
  - (AP I & II).
### Plan of Study

#### Freshman Year - Fall
- **1 GEP**
- BSC 2010C: Biology I 3 hrs
- MAC 1105: College Algebra 3 hrs
- SYG 2000: Introduction to Sociology 3 hrs

#### Freshman Year - Spring
- **1 GEP**
- PSY 2012: General Psychology 3 hrs
- STA 2023: Statistical Methods I 3 hrs
- ZOO 3733C: Human Anatomy 4 hrs

#### Freshman Year - Summer
- CHM 1032L: General Chemistry Laboratory 1 hr
- CHM 1032: General Chemistry 3 hrs

#### Sophomore Year - Fall
- GEP 3 hrs
- PCB 3703C: Human Physiology 4 hrs

#### Sophomore Year - Spring
- GEP 3 hrs
- HUN 3011: Human Nutrition 3 hrs
- MCB 2004C: Microbiology for Health Professionals 4 hrs

#### Junior Year - Fall
- NUR 3028L: Essentials of Nursing Practice Lab 1 hr
- NUR 3028: Essentials of Nursing Practice 2 hrs
- NUR 3065: Health Assessment 2 hrs
- NUR 3065L: Health Assessment Lab 1 hr
- NUR 3634: Community Health Nursing 3 hrs
- NUR 3634L: Community Health Nursing Clinical 2 hrs
- NUR 3755L: Essentials of Nursing Practice Clinical 2 hrs
- NUR 3825: The Role of the Professional Nurse 2 hrs

#### Junior Year - Spring
- 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
- NUR 3445L: Nursing Care of Families Clinical 2 hrs
- NUR XXXX: Nursing Elective 3 hrs
- NUR 3165: Nursing Research 3 hrs
- NUR 4837: Health Care Issues, Policy, and Economics 3 hrs
- NUR XXXX: Nursing Elective 3 hrs

#### Senior Year - Fall
- 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

#### Senior Year - Spring
- NUR 4257: Introduction to Critical Care Nursing 3 hrs
- NUR 4945L: Nursing Practicum 4 hrs
- NUR 4637: Public Health Nursing 2 hrs
- NUR 4637L: Public Health Nursing Clinical 1 hr
- NUR 4828: Leadership, Management and Role Transition 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

### UCF Degree Programs

#### Nursing - R.N. to B.S.N. Program (B.S.N.)
**College of Nursing**
- HPA-1, Room: 220
- [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)
- E-mail: ucfnurse@mail.ucf.edu
- Ms. Barbara Lange, RN to BSN Coordinator
- Dr. Linda Hennig, Assoc. Dean Undergraduate
- Dr. Jean Leuner, Dean
- Phone: 407-823-2744

Completion program for individuals who are licensed RNs. This program is only available online. Students must complete all university-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.). All nursing courses are available online and some courses may be offered face-to-face as well. For more information, see [http://distrib.ucf.edu/home/](http://distrib.ucf.edu/home/)

#### Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing.
- All applicants must have: Admission to UCF undergraduate program; graduation from an approved or accredited associate degree or diploma nursing program; current Licensure as an RN (or eligible); progress toward the UCF general education requirements, an AA degree from a Florida Community or State College, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS); completion of all sections of CLAS (or Exempt); and, a minimum overall GPA of 2.5.
- Completion of program prerequisite courses with at least a grade of “C” (2.0) or better in each course.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other university.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

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

- **A:** Communication Foundations (9 hrs)
- **B:** Cultural & Historical Foundations (9 hrs)
- **C:** Mathematical Foundations (6 hrs)
- Required: MAC 1105: College Algebra 3 hrs

**Select 1:**
- Required: STA 2014C: Principles of Statistics or STA 2023: Statistical Methods I 3 hrs

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**Part-Time Student: $25 per term**

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**Full-Time Student: $50 per term**

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[http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
### UCF Degree Programs

**D: Social Foundations (6 hrs)**
- Select 1:
  - Required PSY 2012 General Psychology or
  - Required SYG 2000 Introduction to Sociology

**Select 1:**
- Suggested ECO 2013 Principles of Macroeconomics or
- Suggested ECO 2023 Principles of Microeconomics or
- Suggested POS 2041 American National Government

1. One of these courses is required to meet General Education requirements, but both are required program prerequisites.

**E: Science Foundations (6 hrs)**
- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs
- Required CHM 1032L General Chemistry Laboratory 1 hr

1. Science Foundation is 6 credit hours for General Education Program.
   However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take CHM 1032 lab. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Microbiology.

**2. Common Program Prerequisites (CPP) (19 hrs)**
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- CHM 1032 General Chemistry
- CHM 1032L General Chemistry Laboratory 1 hr
- HUN 3011 Human Nutrition 3 hrs
- MCB 2004C Microbiology for Health Professionals 4 hrs
- MCB 2004C Human Physiology 4 hrs
- PSY 2012 General Psychology 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ZOO 3733C Human Anatomy 4 hrs

**Select 1:**
- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I 3 hrs

1. Core Requirements: Basic Level (0 hrs)
   - None

**4. Core Requirements: Advanced Level (51 hrs)**
- UCF Core 25 hrs
  - NUR 3065 Health Assessment 2 hrs
  - NUR 3065L Health Assessment Lab 1 hr
  - NUR 3165 Nursing Research 3 hrs
  - NUR 3634 Community Health Nursing 3 hrs
  - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
  - NUR 4604L Practicum in Community and Public Health 4 hrs
  - NUR 4637 Public Health Nursing 2 hrs
  - NUR 4637L Public Health Nursing Clinical 3 hrs
  - NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
  - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

- Upper Division Credit 27 hrs
  - Upper Division Credit may be met by Validation.
    - NUR 3028 Essentials of Nursing Practice 2 hrs
    - NUR 3028L Essentials of Nursing Practice Lab 1 hr
    - NUR 3225 Nursing Care of the Adult I 3 hrs
    - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
    - NUR 3445 Nursing Care of Families 3 hrs
    - NUR 3445L Nursing Care of Families Clinical 2 hrs
    - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
    - NUR 4227 Nursing Care of the Adult II 4 hrs
    - NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
    - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
    - NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (6 hrs)
   - Any two upper division nursing electives

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None

8. Electives
   - Variable to meet degree requirements

9. Additional Requirements
   - Progression Requirements:
     - Prior to NUR 3605: RN status or eligible to take NCLEX.
     - Prior to NUR 3165: Complete NUR 3605 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) CLAS requirement satisfied; and 5) complete foreign language admission requirement
   - Take all of the following: 3 hrs
     - Admission to the nursing program
     - Complete general education requirements and prerequisites or AA from a Florida public community college or state university system (SUS).
     - 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.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Completion of all courses in major with a grade of "C" (2.0) or better
    - Overall cumulative GPA of 2.5 or above
    - College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Health Services Administration
- Social Work

**Certificates**
- Aging Studies
## UCF Degree Programs

### Nursing - SCC/UCF ASN to BSN enrollment option (B.S.N.)

#### College of Nursing
**HPA-1, Room: 220**  
**E-mail:** ucfnurse@mail.ucf.edu

Ms. Susan Ricci  
Phone: 407-404-6088

A partnership between Seminole State College of Florida (SSC) and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enter the RN to BSN program while completing the ASN at SCC. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

### Admission Requirements

- **Acceptance to the University does not constitute admission to this program. Only students admitted to the Seminole State College Nursing Program are eligible for this SCC/UCF enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to the UCF College of Nursing. Students are accepted into this program during their first semester of nursing at SCC and must progress according to a designated plan of study.**

#### Plan of Study (30 hrs)

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior Year - Fall</td>
<td>NUR 3065 Health Assessment</td>
<td>2 hrs</td>
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<tr>
<td></td>
<td>NUR 3065L Health Assessment Lab</td>
<td>1 hr</td>
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<tr>
<td></td>
<td>NUR 3805 Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
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<tr>
<td>Junior Year - Spring</td>
<td>NUR 3185 Nursing Research</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>NUR 3634 Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Junior Year - Summer</td>
<td>NUR 4837 Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
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<td></td>
<td>NUR XXXX Nursing Elective</td>
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<tr>
<td>Senior Year - Fall</td>
<td>NUR 4828 Nursing Leadership, Management and Role Transition</td>
<td>3 hrs</td>
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<td></td>
<td>NUR XXXX Nursing Elective</td>
<td></td>
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<tr>
<td>Senior Year - Spring</td>
<td>NUR 4604L Practicum in Community and Public Health Nursing for RNs</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>NUR 4637 Public Health Nursing</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- **Part-Time Student:** $25 per term
- **Full-Time Student:** $50 per term

### Acceptable Substitutes for Transfer Courses

- **None**

### Transfer Notes

- **None**

### Advising Notes

- **None**

### Acceptable Substitutes for Transfer Courses

- **None**

### Equipment Fees

- **Part-Time Student:** $25 per term
- **Full-Time Student:** $50 per term

### Admission Requirements

- **Students not yet admitted to UCF must make application and be accepted by the University. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.**

- **Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.**

- **At the time of application, students must have:**
  - A cumulative GPA of 3.0 or above.
  - Been accepted for enrollment and in good standing at SSC ASN Nursing program.
  - An AA degree from a Florida Community College or have met ALL UCF General Education requirements at time of application.
  - Met UCF Foreign Language admission requirement.
  - Completed pre-requisite coursework for both the UCF and the SSC nursing programs - at time of application.
  - CLAS requirement satisfied.

### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog year, including minors.**

- **Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements.**

- **Students should consult with an advisor in the SCC/UCF Concurrent Nursing program for clarification of questions regarding prerequisite requirements.**

- **The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other university.**

- **A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.**

- **UCF Residency Requirement:** 30 hours.

- **The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.**

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

#### A: Communication Foundations (9 hrs)

- Select 1: 3 hrs
  - Required PSY 2012 General Psychology or
  - Required SYG 2000 Introduction to Sociology

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

- Select 1: 3 hrs
  - Required STA 2014C Principles of Statistics or
  - Required STA 2203 Statistical Methods I

#### C: Mathematical Foundations (6 hrs)

- Select 1: 3 hrs
  - Required MAC 1105 College Algebra

#### D: Social Foundations (6 hrs)

- Select 1: 3 hrs
  - Required STA 2014C Principles of Statistics or
  - Required STA 2203 Statistical Methods I

### 2. UCF Academic Foundations Program (7 hrs)

- **Required:** BSC 2010C Biology I (4 hrs)
- **Required:** CHM 1032 General Chemistry (3 hrs)
- **Required:** CHM 1032L General Chemistry Laboratory (1 hr)

- **Science Foundation is six credit hours for General Education Program. However the nursing program prerequisite requires four CHM credits. To earn this, the student must also take the CHM 1032 lab. This CHS course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.**
2. Common Program Prerequisites (CPP) (19 hrs)

- Applicants should see a UCF Nursing Advisor for possible course substitutions.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  
  1 CHM 1032 General Chemistry GEP
  2 CHM 1032L General Chemistry Laboratory 1 hr
  3 HUN 3011 Human Nutrition 3 hrs
  4 MCB 2004C Microbiology for Health Professionals 4 hrs
  5 PCB 3703C Human Physiology 4 hrs
  6 PSY 2012 General Psychology GEP
  7 SYG 2000 Introduction to Sociology 3 hrs
  8 ZOO 3733C Human Anatomy 4 hrs

Select 1: 3 hrs

  1 STA 2014C Principles of Statistics or GEP
  2 STA 2023 Statistical Methods I or GEP

Select 1: 3 hrs

  1 DEP 2004 Developmental Psychology or GEP
  2 SOW 3104 Assessing I: Human Development or GEP

1 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 May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.

3. Core Requirements: Basic Level (0 hrs)

4. Core Requirements: Advanced Level (52 hrs)

Core UCF Requirements 25 hrs

  1 NUR 3065 Health Assessment 2 hrs
  2 NUR 3065L Health Assessment Lab 1 hr
  3 NUR 3165 Nursing Research 3 hrs
  4 NUR 3634 Community Health Nursing 3 hrs
  5 NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
  6 NUR 3806 Professional Socialization Seminar 1 hr
  7 NUR 4604L Practicum in Community and Public Health 4 hrs
  8 NUR 4637 Public Health Nursing 2 hrs
  9 NUR 4828 Nursing Leadership, Management and Role Transition
  10 NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

Upper Division Credit 27 hrs

- May be met by validation

  1 NUR 3028 Essentials of Nursing Practice 2 hrs
  2 NUR 3028L Essentials of Nursing Practice Lab 1 hr
  3 NUR 3225 Nursing Care of the Adult I 3 hrs
  4 NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
  5 NUR 3445 Nursing Care of Families 3 hrs
  6 NUR 3445L Nursing Care of Families Clinical 2 hrs
  7 NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
  8 NUR 4227 Nursing Care of the Adult II 4 hrs
  9 NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
  10 NUR 4535 Psychiatric Mental Health Nursing 3 hrs
  11 NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (6 hrs)

   Any two upper division nursing electives 6 hrs

6. Capstone Requirements

   None

7. Foreign Language Requirements

Admissions

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

Graduation

   None

8. Electives

- variable to meet degree requirements
### Philosophy (B.A.)

**College of Arts and Humanities**  
**Department of Philosophy, Psychology Building, Room:** 220  
http://www.philosophy.cah.ucf.edu/  
E-mail: philosophy@mail.ucf.edu

**Dr. Don Jones**  
Dr. Jennifer Mundale  
Phone: 407-823-2273

### Admission Requirements

- **None**

### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Students must 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2011</td>
<td>Philosophical Reasoning or Formal Logic I or Critical Thinking or Logic and Ethics or Formal Logic II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2101</td>
<td>Formal Logic I or Critical Thinking or Logic and Ethics or Formal Logic II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2108</td>
<td>Critical Thinking or Logic and Ethics or Formal Logic II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2647</td>
<td>Logic and Ethics or Formal Logic II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3131</td>
<td>Formal Logic II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2108</td>
<td>Critical Thinking or Logic and Ethics or Formal Logic II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2647</td>
<td>Logic and Ethics or Formal Logic II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3131</td>
<td>Formal Logic II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>PHI 3131</td>
<td>Formal Logic II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3941</td>
<td>Philosophy Practicum or Philosophy of Friendship or Philosophy of Embodyment: Mind/Body/Self</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3803</td>
<td>Philosophy and Creativity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3805</td>
<td>Contemporary Aesthetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4321</td>
<td>Philosophy Practicum or Philosophy of Friendship or Philosophy of Embodyment: Mind/Body/Self</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4420</td>
<td>Philosophy of Science or Philosophy of Social Science or Philosophy of Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4421</td>
<td>Philosophy of Science or Philosophy of Social Science or Philosophy of Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4430</td>
<td>Philosophies of Embodiment: Mind/Body/Self</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4500</td>
<td>Philosophy of Social Science or Philosophy of Law or Philosophy of Friendship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4505</td>
<td>Philosophy of Social Science or Philosophy of Law or Philosophy of Friendship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### UCF Degree Programs
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
- 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:
- PHI 493B Senior Research Seminar 3 hrs
- PHI 4970H Undergraduate Honors Thesis 1 hr
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Complete one of the following:
- PHI 493B Senior Research Seminar 3 hrs
- PHI 4970H Undergraduate Honors Thesis 1 hr

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

Core Requirements 36 hrs
- Same requirements as for regular majors, but must include the following:
  - PHI 2101 Formal Logic I 3 hrs

Upper Division Restricted Electives 6 hrs
- Same as requirement for regular majors

Honors Thesis
- PHI 4903H Honors Directed Reading I 1 hr
- PHI 4970H Undergraduate Honors Thesis 1 hr

Additional Requirements
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy GOA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a “B” (3.0) or better in both of the following courses:
  - PHI 4903H Honors Directed Reading I
  - PHI 4970H Undergraduate Honors Thesis

Related Programs
- Humanities
- Humanities - Philosophy, Religion, & Popular Culture Track
- Religious Studies

Certificates
- None

Related Minors
- Cognitive Sciences
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs
- Restricted Elective 3 hrs
- ENC 1102 Composition II 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
Junior Year - Fall  15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
PHI 3083  Research Methods in Philosophy  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
PHI 4938  Senior Research Seminar  3 hrs

Senior Year - Spring  15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

A: Communication Foundations  (9 hrs)
1. Required  ENC 1101  Composition I  3 hrs
1. Required  ENC 1102  Composition II  3 hrs
SPC 2500 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)
1. 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)
If not already completed as part of the A.S. degree, after acceptance into the program.
Required  MAC 1105  College Algebra or
MGF 2106  College Mathematics or
MGF 2107  Mathematics for Liberal Arts  3 hrs
Computer Science or Statistics  3 hrs

D: Social Foundations  (6 hrs)
Political Science or Economics  3 hrs
Psychology or Sociology (If not already completed as part of the A.S. degree, after acceptance into the program.)  3 hrs

E: Science Foundations  (6 hrs)
Physical Science  3 hrs
Life Science  3 hrs

2. Common Program Prerequisites (CPP)  (10 hrs)
For more information, see “Common Prerequisites” in the Transfer and Transitions Services section.
ARH 2051  History of Western Art II  3 hrs
PGY 3610C  Photojournalism I  3 hrs
PGY 1403  Fundamentals of Photography  4 hrs

3. Core Requirements: Basic Level  (45 hrs)
A. S. Required Courses:
1. CRW 3011  Creative Writing for Non-Majors  3 hrs
1. ENC 3250  Professional Writing  3 hrs

(Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)
PGY 1115  Color Materials and Processes  7 hrs
PGY 1806  Digital Imaging  4 hrs
PGY 2000  History and Aesthetics of Photography  3 hrs
PGY 2107  Large Format Photography  4 hrs
PGY 2215  Professional Studio Portraiture  4 hrs
PGY 2216  Location Photography  4 hrs
PGY 1800  Photography and the Digital Image  4 hrs
PGY 2300  Field Survey of Professional Workshop  3 hrs
PGY 2650  Editorial Photography  4 hrs
PGY 2470  Advanced Photography Workshop OR 4 hrs
PGY 2935  Portfolio Workshop  4 hrs

4. Core Requirements: Advanced Level  (36 hrs)
1. CRW 3011  Creative Writing for Non-Majors  3 hrs
1. ENC 3250  Professional Writing  3 hrs

(Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)
PGY 2650  Editorial Photography  4 hrs
PGY 3610C  Photojournalism I  3 hrs
PGY 3205C  Photographic Lighting Techniques  3 hrs
PGY 3276  The Professional Environment  3 hrs
PGY 3651C  Narrative Editorial Photography  3 hrs
PGY 3653C  Advanced Editorial Photography  3 hrs
PGY 3703C  Photography and Web Design  3 hrs
PGY 3751C  Videography  3 hrs
PGY 3821C  Advanced Digital Photography  3 hrs
PGY 4003  Image, Culture, and Society  3 hrs
PGY 4228C  Advanced Illustrative Photography  3 hrs
PGY 4471  Photography Thesis  3 hrs
1. Only one of these two courses may be selected

5. Restricted Electives  (6 hrs)
Select two of the following courses:
PGY 3451C  Alternative Processes  3 hrs
PGY 3480  Museum and Gallery Practices  3 hrs
PGY 4472C  Photo Visualization  3 hrs
PGY 4493C  Photography and Art  3 hrs
PGY 4941  Internship  3 hrs
PGY 425C  Professional Photographic Workshop  3 hrs

Photography (B.S.)

College of Arts and Humanities
School of Visual Arts and Design
Jason Burrell, 386-506-3944

This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-Studio B.A. and Art-B.F.A. programs.

The School of Visual Art and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, school courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- Completion of an A.S. in Photographic Technology from Daytona State College or equivalent coursework.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0

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

2. Common Program Prerequisites (CPP)  (10 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level  (45 hrs)
A. S. Required Courses:

4. Core Requirements: Advanced Level  (36 hrs)

5. Restricted Electives  (6 hrs)
- Select two of the following courses:
UCF Degree Programs

6. Capstone Requirements
   None

7. Foreign Language Requirements

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

Graduation
   None

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    None

12. University Minimum Exit Requirements
    None

   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 42 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   127

Honors in Major
   None

Related Programs
   None

Certificates
   None

Related Minors
   None

Advising Notes
   None

Transfer Notes
   Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution meet 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.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
   - Part-Time Student: $45 per term
   - Full-Time Student: $90 per term

UCF Degree Programs

Physics (B.S.)
College of Sciences
Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

Admission Requirements
   None

Degree Requirements
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
   - Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
   - Physics majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
   - Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
   - AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

   - CHM 2045C Chemistry Fundamentals I 4 hrs
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   - MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. UCF General Education Program (GEP) (38 hrs)
   - Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

   A: Communication Foundations (9 hrs)
   Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

   Take all of the following: 6 hrs
   Required ENC 1101 Composition I and 3 hrs
   Required ENC 1102 Composition II 3 hrs

   B: Cultural & Historical Foundations (9 hrs)

   C: Mathematical Foundations (7 hrs)
   Required COP 3502C Computer Science I 3 hrs
   Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

   D: Social Foundations (6 hrs)

   E: Science Foundations

   1. Physical Science; 4 hrs
   Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

   2. Life sciences; 3 hrs
   Select from the E.2. GEP list. 3 hrs
2. Common Program Prerequisites (CPP) (20 hrs)
  CHM 2045C Chemistry Fundamentals I 4 hrs
  CHM 2046 Chemistry Fundamentals II 3 hrs
  CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  MAC 2311 Calculus with Analytic Geometry I GEP
  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

Note: These courses are considered equivalent.

  CHM 2045C Chemistry Fundamentals I 4 hrs
  or - students with little chemistry background should select this sequence.
  CHM 2040C Chemistry Fundamentals IA and 3 hrs
  CHM 2041C Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic Level (36 hrs)
   ■ Required of all specializations.
   MAP 2302 Differential Equations 3 hrs
   PHY 3101 Physics for Engineers and Scientists III 3 hrs
   PHY 3220 Mechanics I 3 hrs
   PHY 3323 Electricity and Magnetism I 3 hrs
   PHY 3513 Thermal and Statistical Physics 3 hrs
   PHY 4324 Electricity and Magnetism II 3 hrs
   PHY 4604 Wave Mechanics I 3 hrs
   PHY 4605 Wave Mechanics II 3 hrs
   PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
   PHY 4912 Directed Independent Research (in area of specialization) 3 hrs

Laboratory requirements 6 hrs
  PHY 3802L Intermediate Physics Laboratory 3 hrs

Select 1: 3 hrs
  PHY 3722C Physics Laboratory-Electronics or 3 hrs
  PHY 3752C Physics of Scientific Instruments 3 hrs

4. Core Requirements: Advanced Level (0 hrs)
   ■ Select one specialization

4.1. General Physics Specialization 18 hrs
   PHY 4803L Advanced Physics Laboratory 3 hrs

Restricted Electives: 6 hrs
   Select from upper division PHY, PHZ, or AST courses 6 hrs

Directed Electives: 9 hrs
   Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2. Materials Physics Specialization 18 hrs
   Select 1: 3 hrs
     EEE 3596C Fabrication of Solid-State Devices or 4 hrs
     PHY 4803L Advanced Physics Laboratory 3 hrs
   Select 3: 9 hrs
     CHM 3411L Physical Chemistry Laboratory or 2 hrs
     EEE 3350 Semiconductor Devices I or 3 hrs
     EEE 5352 Semiconductor Material and Device Characterization or 3 hrs
     EGN 3365 Structure and Properties of Materials or 3 hrs
     EMA 4413 Fundamentals of Electronic Materials or 3 hrs
     PHZ 5405 Condensed Matter Physics 3 hrs

Directed Electives: 6 hrs
   Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.3. Optics and Lasers Specialization 18 hrs
   Select 2: 3 hrs
     PHY 4424 Optics 3 hrs
     EEL 4440 Optical Engineering or 6 hrs
     OSE 5203 Geometrical Optics and Imaging Systems or 3 hrs
     OSE 5312 Light Matter Interaction or 3 hrs
     OSE 5414 Fundamentals of Optoelectronic Devices or 3 hrs
     PHY 4445 Lasers 3 hrs

Directed Electives: 9 hrs
   Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization 19 hrs
   COP 3502C Computer Science I 3 hrs
   COP 3503C Computer Science II 4 hrs
   COP 4500 Numerical Calculus 3 hrs
   PHZ 3151 Computer Methods in Physics 3 hrs

Directed Electives: 6 hrs
   Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.5. Astronomy Specialization 18 hrs
   AST 2002 Astronomy 3 hrs
   AST 3722C Techniques of Observational Astronomy 3 hrs
   Select 2: 6 hrs
     AST 3110 Solar System Astronomy or 3 hrs
     AST 3211 Stellar Astrophysics or 3 hrs
     AST 3402 Galaxies and Cosmology 3 hrs

Directed Electives: 6 hrs
   Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

5. Restricted Electives (0 hrs)
   ■ None

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
   ■ None

8. Electives
   ■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ Students must have at least a 2.0 GPA in all courses counted toward the major
    ■ Students will be required to take a nationally normed test in Physics during their last semester
    ■ Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee
    ■ Before applying to graduate, the CLAS must be completely satisfied.
    ■ Computer Competency met by the following or a departmental exam.
      COP 3223 Introduction to Programming with C 3 hrs

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
UCF Degree Programs

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics - Engineering/Physics Track
- Mathematics - Pure Track
- Mechanical Engineering

Certificates
- None

Related Minors
- Astronomy
- Mathematics
- Physics

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF: CHM 2045C may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall
- 14 hrs
  - GEP 3 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring
- 15 hrs
  - GEP 3 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall
- 17 hrs
  - GEP 3 hrs
  - COP 3502C Computer Science I 3 hrs
  - MAC 2333 Calculus with Analytic Geometry III 4 hrs
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

Sophomore Year - Spring
- 15 hrs
  - GEP 3 hrs
  - MAP 2302 Differential Equations 3 hrs
  - PHY 3101 Physics for Engineers and Scientists III 3 hrs
  - PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs

Junior Year - Fall
- 15 hrs
  - Core Course 3 hrs
  - Restricted Elective 3 hrs
  - PHY 3323 Electricity and Magnetism I 3 hrs
  - PHY 3513 Thermal and Statistical Physics 3 hrs
  - PHY 3802L Intermediate Physics Laboratory 3 hrs

Junior Year - Spring
- 15 hrs
  - GEP 3 hrs
  - Restricted Elective 3 hrs
  - PHY 3220 Mechanics I 3 hrs
  - PHY 4324 Electricity and Magnetism II 3 hrs

Senior Year - Fall
- 15 hrs
  - Free Elective 3 hrs
  - Restricted Elective 3 hrs
  - PHY 4604 Wave Mechanics I 3 hrs
  - PHY 4912 Independent Research 3 hrs

Senior Year - Spring
- 14 hrs
  - GEP 3 hrs
  - Restricted Elective 3 hrs
  - Free Elective 2 hrs
  - Free Elective 3 hrs
  - PHY 4605 Wave Mechanics II 3 hrs
  - Physics Test-Nationally normed

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12.40 per term
- Full-Time Student: $24.80 per term

Political Science (B.A.)

College of Sciences

Department of Political Science, Howard Phillips Hall,
Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Double major/dual degree policy in Political Science programs and minors
- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:
  - POS 2041 American National Government 3 hrs
- 3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
- 4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
# UCF Degree Programs

## A. Communication Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3</td>
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</table>

## B: Cultural & Historical Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010 U.S. History: 1492-1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020 U.S. History: 1877-Present</td>
<td>3</td>
</tr>
</tbody>
</table>

## C: Mathematical Foundations

### GEP - Math

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107 Explorations in Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

You may substitute a higher level math with appropriate scores on the Math Placement Test.

### GEP - Statistics

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1060C Basic Statistics Using Microsoft Excel</td>
<td>3</td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

You may substitute a higher level Statistics course.

## D: Social Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>3</td>
</tr>
</tbody>
</table>

## E: Science Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POS 3703 Scope and Methods of Political Science</td>
<td>3</td>
</tr>
</tbody>
</table>

## 2. Common Program Prerequisites (CPP)

- **See Transfer Notes for possible substitutes.**
- **See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

## 3. Core Requirements: Basic Level

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>3</td>
</tr>
</tbody>
</table>

## 4. Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3703 Scope and Methods of Political Science</td>
<td>3</td>
</tr>
</tbody>
</table>

## 5. Restricted Electives

- Choose one of the following tracks.

### Track 1: American Politics and Policy

- Five courses from Area A: 15 hrs
- Two courses from Area B: 6 hrs
- Two courses from Area C: 6 hrs
- One additional course from any Area: 3 hrs

### Track 2: International Relations-Comparative Politics

- No more than two of the following courses may be considered part of area B credit:
  - INR 4401 International Law I or 3 hrs
  - INR 4402 International Law II or 3 hrs
  - INR 4404 Space Law 3 hrs
- Two courses from Area A: 6 hrs
- Five courses from Area A: 15 hrs
- Two courses from Area C: 6 hrs
- One additional course from any Area: 3 hrs

### Track 3: Prelaw

- Please see Political Science - Prelaw Track

## Areas of Specialization

### A. American Politics and Policy Area

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3076 American Indian Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 3122 State Government and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>POS 3173 Southern Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 3182 Florida Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 3233 Public Opinion</td>
<td>3</td>
</tr>
<tr>
<td>POS 3235 Mass Media and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 3258 Politics in Film</td>
<td>3</td>
</tr>
<tr>
<td>POS 3273 Voting and Elections</td>
<td>3</td>
</tr>
<tr>
<td>POS 3413 The American Presidency</td>
<td>3</td>
</tr>
<tr>
<td>POS 3424 Congress and the Legislative Process</td>
<td>3</td>
</tr>
<tr>
<td>POS 3443 Political Parties and Processes</td>
<td>3</td>
</tr>
<tr>
<td>POS 3463 Interest Groups</td>
<td>3</td>
</tr>
<tr>
<td>POS 3627 Cultural Pluralism and Law</td>
<td>3</td>
</tr>
<tr>
<td>POS 4074 Latino Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 4142 Metropolitan Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 4204 Political Behavior</td>
<td>3</td>
</tr>
<tr>
<td>POS 4246 Political Socialization</td>
<td>3</td>
</tr>
<tr>
<td>POS 4284 Judicial Process and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 4412 Presidential Campaigning</td>
<td>3</td>
</tr>
<tr>
<td>POS 4603 American Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>POS 4604 American Constitutional Law II</td>
<td>3</td>
</tr>
<tr>
<td>POS 4622 Politics and Civil Rights</td>
<td>3</td>
</tr>
<tr>
<td>POS 4742 Geographic Information Systems for the</td>
<td>3</td>
</tr>
<tr>
<td>Political Scientist</td>
<td>3</td>
</tr>
<tr>
<td>PUP 3325 Women and Political Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4003 American Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4204 Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4209 Urban Environmental Policy</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4323 Women and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4404 Education and Politics</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4503 Government and Science</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4602 Politics of Health</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4744 Government and Business</td>
<td>3</td>
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<tr>
<td>PUP 4931 Topics in Public Policy</td>
<td>3</td>
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</tbody>
</table>

### B. International Relations and Comparative Government Area

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3034 Politics of Developing Areas</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3103 Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3104 Politics of Western Europe</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3132 Canadian Studies</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3403 Politics of the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3614 Politics of Eastern Europe</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4047 Politics of the NAFTA Region</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4062 Comparative Judicial Process</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4074 Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4101 Politics of the European Union</td>
<td>3</td>
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<tr>
<td>CPO 4123 Government and Politics of Great Britain</td>
<td>3</td>
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<tr>
<td>CPO 4303 Comparative Latin American Politics</td>
<td>3</td>
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<tr>
<td>CPO 4445 Comparative Political Parties</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4514 Politics of East Asia</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4553 Politics of Japan</td>
<td>3</td>
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<tr>
<td>CPO 4643 Government and Politics of Russia</td>
<td>3</td>
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<tr>
<td>CPO 4710 Women in Comparative Politics</td>
<td>3</td>
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<tr>
<td>CPO 4754 Comparative Political Institutions</td>
<td>3</td>
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<tr>
<td>CPO 4784 Political and Economic Inequality in Comparative Perspective</td>
<td>3</td>
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<tr>
<td>CPO 4794 Indigenous Politics and the Environment</td>
<td>3</td>
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<td>GEO 3471 World Political Geography</td>
<td>3</td>
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<td>IDS 4315 Global Perspectives</td>
<td>3</td>
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<td>INR 2002 International Relations-Theory and Practice</td>
<td>3</td>
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<td>INR 3016 Global Political Issues</td>
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<td>INR 3250 Politics of Pan-Africanism</td>
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<td>INR 3253 International Politics of Africa</td>
<td>3</td>
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<tr>
<td>INR 4011 Politics of Globalization</td>
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<tr>
<td>INR 4030 Diplomacy</td>
<td>3</td>
</tr>
<tr>
<td>INR 4035 International Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>INR 4504 Global Politics of Energy</td>
<td>3</td>
</tr>
<tr>
<td>INR 4560 Causes of War</td>
<td>3</td>
</tr>
<tr>
<td>INR 4564 Changing Nature of War</td>
<td>3</td>
</tr>
<tr>
<td>INR 4574 Immigration Policy</td>
<td>3</td>
</tr>
<tr>
<td>INR 4705 Human Rights Policy</td>
<td>3</td>
</tr>
<tr>
<td>INR 4706 Global Drug Policy</td>
<td>3</td>
</tr>
<tr>
<td>INR 4804 Politics of International Terrorism</td>
<td>3</td>
</tr>
</tbody>
</table>
## UCF Degree Programs

| INR 4085 | Women, Gender, and Globalization or | 3 hrs |
| INR 4102 | American Foreign Policy or | 3 hrs |
| INR 4104 | Topics and Cases in American Foreign Policy or | 3 hrs |
| INR 4114 | American Security Policy or | 3 hrs |
| INR 4115 | Strategic Weapons and Arms Control or | 3 hrs |
| INR 4224 | Contemporary International Politics of Asia or | 3 hrs |
| INR 4225 | The Vietnam War or | 3 hrs |
| INR 4243 | International Politics of Latin America or | 3 hrs |
| INR 4304 | Issues in International Public Policy or | 3 hrs |
| INR 4335 | Coercion in International Politics or | 3 hrs |
| INR 4350 | Global Environmental Politics or | 3 hrs |
| INR 4351 | International Environmental Law or | 3 hrs |
| INR 4364 | The Intelligence Community or | 3 hrs |
| INR 4401 | International Law I or | 3 hrs |
| INR 4402 | International Law II or | 3 hrs |
| INR 4404 | Space Law or | 3 hrs |
| INR 4502 | International Organizations or | 3 hrs |
| INR 4603 | International Relations Theory or | 3 hrs |
| INR 4714 | Politics of International Trade Policy or | 3 hrs |
| POS 3253 | Contemporary Revolution and Political Violence or | 3 hrs |
| PUP 3014 | Comparative Public Policy or | 3 hrs |
| PUP 3508 | Space Studies or | 3 hrs |
| PUP 4510 | Space Policy | 3 hrs |

### C. Political Theory Area

**6 hrs**

| INR 4603 | International Relations Theory or | 3 hrs |
| POS 4006 | Political Psychology or | 3 hrs |
| POT 3204 | American Political Thought or | 3 hrs |
| POT 3302 | Modern Political Ideologies or | 3 hrs |
| POT 4003 | Political Theory or | 3 hrs |
| POT 4025 | Ancient, Medieval and Early Modern Political Philosophy or | 3 hrs |
| POT 4054 | Modern Political Philosophy or | 3 hrs |
| POT 4066 | Contemporary Political Theory or | 3 hrs |
| POT 4109 | Politics and Literature or | 3 hrs |
| POT 4305 | The State, Society, and the Individual or | 3 hrs |
| POT 4314 | Contemporary Democratic Theory or | 3 hrs |
| POT 4331 | Utopia/Dystopia or | 3 hrs |
| POT 4345 | Pan-Africanist Thought or | 3 hrs |
| POT 4414 | Marxist Political Theory or | 3 hrs |
| POT 4632 | Religion and Politics | 3 hrs |

### 6. Capstone Requirements

**None**

### 7. Foreign Language Requirements

#### Admissions

- Met by graduation requirement

#### Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: Political Science: For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

### 9. Additional Requirements

**None**

### 10. Required Minors

**None**

### 11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - POS 3703 Scope and Methods of Political Science 3 hrs

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- **120**

#### Honors In Major

- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

#### Related Programs

- Economics
- History

#### Certificates

- Diplomacy

#### Related Minors

- Economics
- History
- Philosophy
- Psychology
- Sociology

#### Advising Notes

**None**

#### Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

#### Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEP</td>
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<tr>
<td>AMH 2010</td>
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<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
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<tr>
<td>POS 2041</td>
<td>3 hrs</td>
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#### Sophomore Year - Fall

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>POS 2033</td>
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<td>POS 2034</td>
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<tr>
<td>POS 2035</td>
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<td>POS 2036</td>
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<tr>
<td>POS 2037</td>
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#### Junior Year - Fall

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<tr>
<td>POS 2041</td>
<td>3 hrs</td>
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<tr>
<td>POS 2042</td>
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#### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>POS 2043</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2044</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2045</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2046</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2047</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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**UNIVERSITY OF CENTRAL FLORIDA**

296 Undergraduate Catalog 2010-2011
Political Science - Prelaw Track (B.A.)
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major.

Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Arts and Sciences Prelaw Advisor.

The following represent a suggested curriculum which both meets the requirements for a Political Science Degree while preparing you for professional school.

### Admission Requirements
- **None**

### Degree Requirements
- **Students** who change degree programs and select this major must adopt the most current catalog.
- **Co-op** or internship credit cannot be used in this major without prior departmental approval.
- **Students** should consult with a departmental advisor.
- **Departmental Residency Requirement** consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.
- **Courses** designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### Double major/dual degree policy in Political Science programs and minors
- **1. Students** who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- **2. Students** who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 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)

<table>
<thead>
<tr>
<th>Math:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer MGF 1106 Finite Mathematics or</td>
</tr>
<tr>
<td>Prefer MGF 1107 Explorations in Mathematics or</td>
</tr>
<tr>
<td>You may substitute a higher level math with appropriate scores on the Math Placement Test.</td>
</tr>
</tbody>
</table>

#### D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Social Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the listed courses</td>
</tr>
</tbody>
</table>

#### E: Science Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
</tr>
<tr>
<td>POS 3703 Scope and Methods of Political Science</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Common Program Prerequisites (CPP)</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
<td></td>
</tr>
<tr>
<td>See Transfer Notes for possible substitutes for the following courses.</td>
<td></td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
<td>GEP</td>
</tr>
<tr>
<td>POS 3703 Scope and Methods of Political Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Core Requirements: Basic Level</th>
<th>0 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>GEP/CPP</td>
</tr>
</tbody>
</table>
UCF Degree Programs

4. Core Requirements: Advanced Level
   POS 3703  Scope and Methods of Political Science  (3 hrs)
   POS 4284  Judicial Process and Politics  3 hrs

5. Restricted Electives
   (27 hrs)
   Select one of the following four courses:
   - INR 4401  International Law I  3 hrs
   - INR 4402  International Law II  3 hrs
   - POS 4603  American Constitutional Law  3 hrs
   - POS 4604  American Constitutional Law II  3 hrs

   And, select one of the following two options:
   (See Area courses list under Political Science)
   - Five courses from area A  15 hrs
   - Two courses from area B  6 hrs
   - One course from area C  3 hrs
   OR
   - Two courses from area A  6 hrs
   - Five courses from area B  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 depart-
   - Internship Program: Political Science: For students who
     excel, a limited number of internship may be available each
     semester for three to six hours of credit. Under the Internship
     Director, the student is typically placed in an office of local,
     state, or national government, a law office, or campaign head-
     quarters.
     - 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
       MHF 3302  Logic and Proof in Mathematics  3 hrs
       PHI 2101  Formal Logic I  3 hrs
       PLA 3108  Legal Research  3 hrs
       PLA 3155  Legal Writing  3 hrs
       POS 4941L  Political Science Internship  3 hrs

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Maintain a minimum GPA of 2.0 in the major
    - Before applying to graduate, the CLAS must be completely
      satisfied.
    - Computer Competency met by the following:
      POS 3703  Scope and Methods of Political Science  3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in
      residency at UCF
    - A maximum of 45 hours of extension, correspondence,
      CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon
      Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Honors in Major
   - Interested students who meet the requirements are encour-
     aged to participative in the HIM program. Contact the depart-
     ment for information about the program and the HIM coordina-
     tor.

Related Programs
   - Criminal Justice
   - Economics
   - History
   - Legal Studies
   - Philosophy

Certificates
   - Diplomacy

Related Minors
   - Criminal Justice
   - Economics
   - English - Creative Writing
   - History
   - Legal Studies
   - Philosophy

Advising Notes
   - None

Transfer Notes
   - Lower division courses taken at community colleges do not
     substitute for Upper Division courses
   - Courses transferred from private and out-of-state schools
     must be evaluated for equivalency credit. The student must pro-
     vide all supporting information.

Acceptable Substitutes for Transfer Courses
   - The following substitutions for common program prerequi-
     sites 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 subse-
     quent 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 pro-
     gram description for all requirements. Consult a departmental
     advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
   - GEP 3 hrs
   - AMH 2010  U.S. History: 1492-1877  3 hrs
   - ENC 1101  Composition I  3 hrs
   - POS 2041  American National Government  3 hrs

Freshman Year - Spring
   - GEP 3 hrs
   - AMH 2020  U.S. History: 1877-Present  3 hrs
   - ENC 2101  Composition II  3 hrs
   - STA 2014C  Principles of Statistics  3 hrs

Sophomore Year - Fall
   - GEP 3 hrs
   - Restricted Elective  3 hrs
   - Supporting Elective  3 hrs
   - Foreign Language  4 hrs
   - Supporting Elective  3 hrs
### UCF Degree Programs

**Psychology (B.S.)**

**College of Sciences**

**Department of Psychology, Psychology Building, Room: 301**


**E-mail: psychadvising@mail.ucf.edu**

**Phone:** 407-823-2216

**Contact:** Psychology Advising Center, PSY 250, 407-823-2219;

**Admission Requirements**

- **None**

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- **Departmental Residency Requirement:** at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department.
- Students must earn at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses.
- **Co-op or internship credit cannot be used in this major without prior approval**
- Students should consult with the Department Director of Undergraduate Advising, prior to applying for graduation (before registration for the final term).
- Graduating seniors should complete the senior exit survey.
- Additional requirements exist for students pursuing the Honors in the major program.
- **Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

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**Sophomore Year - Spring 16 hrs**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</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>Foreign Language</td>
<td>4 hrs</td>
</tr>
<tr>
<td>POS 3703 Scope and Methods of Political Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Junior 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>Supporting Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Senior Year - Spring 14 hrs**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Supporting 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

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### 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)

- **PSY 2012 General Psychology**

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

- **BSC 1005 Biological Principles**

#### C: Mathematical Foundations (6 hrs)

- **STA 2014C Principles of Statistics**

- **STA 2023 Statistical Methods I**

#### Math: 3 hrs

- **You may substitute a higher level math with appropriate scores on the Math Placement Test.**

#### Statistics: 3 hrs

- **Required**
  - **STA 2014C Principles of Statistics**
  - **STA 2023 Statistical Methods I**

#### D: Social Foundations (6 hrs)

- **Required**
  - **PSY 2012 General Psychology**

#### Social Sciences: 3 hrs

- **Required**
  - **PSY 2012 General Psychology**

#### Political Science/Economics 3 hrs

- Select one of the listed choices

#### E: Science Foundations (6 hrs)

- **Required**
  - **BSC 1005 Biological Principles**
  - **BSC 2010C Biology I**

#### Biology: Select the advanced option if additional biology courses are planned.

- **Required**
  - **BSC 2010C Biology I**

#### Physical or Chemical: Select a listed course 3 hrs

- **Select one of the listed choices**

### 2. Common Program Prerequisites (CPP) (3 hrs)

- **See Transfer Notes for possible substitutes for the courses listed below.**
- **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**

#### DEP 2004 Developmental Psychology 3 hrs

#### PSY 2012 General Psychology GEP

#### Biology: 0 hr

- **Select the advanced course if additional biology courses are planned.**

#### Statistics: 3 hrs

- **Required**
  - **STA 2014C Principles of Statistics**
  - **STA 2023 Statistical Methods I**

### 3. Core Requirements: Basic Level (0 hrs)

#### Lower Level Core Requirements

- **Required**
  - **PSY 2012 General Psychology**

#### Biology: 0 hr

- **Required**
  - **BSC 1005 Biological Principles**
  - **BSC 2010C Biology I**

#### Statistics: 0 hr

- **Required**
  - **STA 2014C Principles of Statistics**
  - **STA 2023 Statistical Methods I**

### 4. Core Requirements: Advanced Level (15 hrs)

#### PSB 3002 Physiological Psychology 3 hrs

#### PSY 3204C Statistical Methods in Psychology 4 hrs

#### PSY 3213C Research Methods in Psychology 5 hrs

#### PSY 4604 History and Systems of Psychology 3 hrs

### 5. Restricted Electives (33 hrs)

#### A. Experimental: Select two of the following: 6 hrs

- **EXP 3404 Basic Learning Processes**
- **EXP 3604 Cognitive Psychology**
- **PSY 3703 Psychology of Language**
- **PSY 4215C Advanced Research Methods in Psychology**
UCF Degree Programs

B. Personality/Social: Select one of the following: 3 hrs
- PPE 3003 Personality Theory or 3 hrs
- SOP 3004 Social Psychology 3 hrs

C. Developmental: Select one of the following: 3 hrs
- DEP 2004 Developmental Psychology or 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

D. Diversity: Select one of the following: 3 hrs
- CLP 3184 Women’s Mental Health or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

E. Applied: Select one of the following: 3 hrs
- CLP 3302 Clinical Psychology or 3 hrs
- EXP 3250 Principles of Human Factors Psychology or 3 hrs
- INP 3004 Industrial/Organizational Psychology 3 hrs

F. Psychology Electives 9 hrs
- Select three additional courses taught by the Psychology department

G. Math/Science Electives: Select two of the following: 6 hrs
- Students must meet the course prerequisites for any course they select. See course listing for prerequisites
- ANT 2511 The Human Species or 3 hrs
- BSC 1050 Biology and Environment or 3 hrs
- BSC 201C Biology II or 4 hrs
- BSC 4312C Marine Biology or 4 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- COP 3223 Introduction to Programming with C or 3 hrs
- COP 3502C Computer Science I or 3 hrs
- COP 3503C Computer Science II or 4 hrs
- MAC 2233 Concepts of Calculus or 3 hrs
- MAC 2253 Applied Calculus I or 3 hrs
- PCB 3063 Genetics or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- PHY 2053C College Physics I or 4 hrs
- PSC 1121 Physical Science or 3 hrs
- STA 4102 Computer Processing of Statistical Data or 3 hrs
- STA 4163 Statistical Methods I or 3 hrs
- STA 4164 Statistical Methods II or 3 hrs
- ENV XXX Any ENV prefix course or 3 hrs
- GEO XXX Any GEO prefix course or 3 hrs
- MCB XXX Any MCB prefix course or 3 hrs
- ZOO XXX Any ZOO prefix course or 3 hrs

6. Capstone Requirements
- 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
- Earn a grade of “C” (2.0) or better in each course in the CFP, core requirements, restricted electives and science electives (sections 2-5).
- Maintain a minimum overall psychology GPA of 2.0.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - PSY 3213C Research Methods in Psychology 5 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major

Additional Requirements: 6 hrs
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Apply and be accepted into the program through the department.
- Fulfill University requirements for Honors in the Major.
- Earn an overall UCF GPA above 3.2.
- All grades in Psychology courses must be a “B” (3.0) or higher.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including the following course.
  - PSY 3213C Research Methods in Psychology 5 hrs
  - PSY 4903H Honors Directed Reading I 3 hrs
  - PSY 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- Anthropology
- Criminal Justice
- Sociology
- Statistics

Certificates
- Behavioral Forensics

Related Minors
- Anthropology
- Mathematics
- Psychology
- Sociology
- Statistics

Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available M, T, R, F from 9 to 5.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Public Administration (B.A. / B.S.)
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm/
Dr. Michael Abels, pa/ba/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
- The courses designated in sections 1 and 2 below may be taken at a Florida community college and should usually be completed in the first 60 hours
- Students must earn at least a "C" (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a "C" (2.0)
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Suggested SPC 1608 Fundamentals of Oral Communication
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required CGS 1060C Introduction to Computer Science
   Select 1: (3 hrs)
   Suggested MAC 1105 College Algebra or MGF 1107 Explorations in Mathematics
   Suggested MGF 1106 Finite Mathematics or MGF 1107
   D: Social Foundations (6 hrs)
   Suggested POS 2041 American National Government
   Select 1: (3 hrs)
   Suggested ANT 2000 General Anthropology or PSY 2012 General Psychology
   Suggested SPC 1608 Fundamentals of Oral Communication
   E: Science Foundations (6 hrs)
   Select 2: (3 hrs)
   Suggested ECO 2013 Principles of Macroeconomics or POS 2041 American National Government

2. Common Program Prerequisites (CPP) (3 hrs)
   Students should see “Common Prerequisites” in the Transfer and Transition Services section

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (21 hrs)
   PAD 3003 Public Administration in American Society
   PAD 3733 Professional Administrative Writing in the Public Sector
   PAD 4034 The Administration of Public Policy
   PAD 4104 Administrative Theory
   PAD 4204 Fiscal Management
   PAD 4414 Public Personnel Administration
   PAD 4720 Survey Research in Public Administration

Full-Time Student: $11 per term
Part-Time Student: $5.50 per term

UCF Degree Programs

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.
  - Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
  - DEP 2004: any lower level psychology course will fulfill the CPP. However, 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.

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<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>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Math</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Statistics</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>16 hrs</th>
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</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
</tr>
<tr>
<td>DEP 2004 Developmental Psychology</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSB 3002 Physiological Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3204C Statistical Methods in Psychology</td>
<td>4 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3213 Research Methods in Psychology</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 4604 History and Systems of Psychology</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: $5.50 per term
- Full-Time Student: $11 per term

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

B.A./B.S. Option

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives

Public Administration electives are required as follows:
- PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

6. Capstone Requirements

None

7. Foreign Language Requirements

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

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

- Accounting
- Computer Science

- Criminal Justice
- Economics
- Health Services Administration
- Interpersonal/Organizational Communication
- Legal Studies
- Management
- Political Science
- Social Work

Certificates

- Nonprofit Management

Related Minors

- Business
- Criminal Justice
- Economics
- Emergency Management and Homeland Security
- Legal Studies
- Non-Profit Management/American Humanics National Certification Program
- Political Science
- Urban and Regional Planning

Advising Notes

None

Transfer Notes

- Intro to Computer Science (CGS 1060C) or any Computer Science course (3 credits)
- Economics I (ECO 2013) or any Macroeconomics course (3 credits)
- American National Government (POS 2041) or any course in American National Government (3 credits)

Acceptable Substitutes for Transfer Courses

None

Plan of Study

This can be taken in any of the following combinations: 6 hrs of PAD Internship; 6 hrs of PAD Electives; or 3 hrs of PAD Internship and 3 hrs of PAD Electives

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1060C  Introduction to Computer Science</td>
<td>3 hrs</td>
</tr>
<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>
<tr>
<td>POS 2041  American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

- ARH 2050  History of Western Art I or 3 hrs
- ARH 2051  History of Western Art II or 3 hrs
- LIT 2110  World Literature I or 3 hrs
- LIT 2120  World Literature II or 3 hrs
- MUL 2010  Enjoyment of Music or 3 hrs
- PHI 2100  Introduction to Philosophy or 3 hrs
- REL 2300  World Religions or 3 hrs
- THE 2000  Theatre Survey or 3 hrs

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>MGF 1106  Finite Mathematics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

- ANT 2000  General Anthropology or 3 hrs
- PSY 2122  General Psychology or 3 hrs
- SYG 2000  Introduction to Sociology | 3 hrs |

Select 1:

- Free Elective 3 hrs
- AST 2002  Astronomy or 3 hrs
- CHM 1020  Concepts in Chemistry or 3 hrs
- PSC 1121  Physical Science or 3 hrs

Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013  Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608  Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Select 1:  
AMH 2010  U.S. History: 1492-1877 or 3 hrs
EUH 2000  Western Civilization I or 3 hrs
HUM 2210  Humanistic Tradition I or 3 hrs
WOH 2012  World Civilization I 3 hrs

Select 1:  3 hrs
Free Elective 3 hrs
ANT 2511  The Human Species or 3 hrs
BSC 1005  Biological Principles or 3 hrs
GEO 1200  Physical Geography or 3 hrs
GLY 1030  Geology and its Applications or 3 hrs
MCB 1310  Introduction to Biotechnology and Genetic Engineering 3 hrs

Sophomore Year - Spring  15 hrs
Free Elective 3 hrs
Free Elective 3 hrs
PAD 3003  Public Administration in American Society 3 hrs
PAD 3733  Professional Administrative Writing in the Public Sector 3 hrs

Select 1:  3 hrs
AMH 2020  U.S. History: 1877-Present or 3 hrs
EUH 2001  Western Civilization II or 3 hrs
HUM 2230  Humanistic Tradition II or 3 hrs
WOH 2022  World Civilization II 3 hrs

Junior Year - Fall  15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
PAD 4014  Administrative Theory 3 hrs
PAD 4414  Public Personnel Administration 3 hrs
Foreign Language I or BS option 3 hrs

Junior Year - Spring  15 hrs
Restricted Elective 3 hrs
PAD 4034  The Administration of Public Policy 3 hrs
PAD 4204  Fiscal Management 3 hrs
PAD 4720  Survey Research in Public Administration 3 hrs
Foreign Language II or BS option 3 hrs

Senior Year - Fall  15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs

Senior Year - Spring  15 hrs
Restricted Elective 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
Restricted elective or PAD Internship 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student:
- Full-Time Student:

Radio - Television (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/
E-mail: radiotv@ucf.edu
Dr. W. Joseph Hall, Area Coordinator, whall@mail.ucf.edu
Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Admission Requirements
- Students should apply to become Radio-Television majors only after completing all requirements for admission.

Attain an overall minimum 2.25/4.00 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
- Receive a positive evaluation of other factors specified by the School.
- Meet a grammar proficiency standard ("B" grades or better in the following courses or pass the grammar proficiency exam.) ENC 1101  Composition I 3 hrs
ENC 1102  Composition II 3 hrs

Application Deadlines:
- October 1 to be admitted the next Spring term.
- February 1 to be admitted the next Summer term.
- July 1 to be admitted the next Fall term.

Degree Requirements
- Students who change degree programs (other than from Radio/TV Pending) and select this major must adopt the most current catalog.
- Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor's approval.
- Internship credit may be used in this major with prior departmental permission.
- Co-op credit may be used in this major with prior approval from an RTV advisor.
- Students should consult with a School advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Radio TV majors must select their required minor from outside the School of Communication to remain below the 40 credit hour school maximum.
- Students seeking to change tracks once accepted into the major must re-apply to the RTV major under the new, desired track.
- A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.
- A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during "C" term only.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations  (9 hrs)
Required ENC 1101  Composition I 3 hrs
Required ENC 1102  Composition II 3 hrs

Select 1:  3 hrs
Suggested SPC 1603  Fundamentals of Technical Presentations or
Prefer SPC 1608  Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations  (9 hrs)
Prefer AMH 2010  U.S. History: 1492-1877 3 hrs
Prefer AMH 2020  U.S. History: 1877-Present 3 hrs
Select a third course from GEP B2 3 hrs
UCF Degree Programs

C: Mathematical Foundations (6 hrs)

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

Computer Science:
- Prefer CGS 2100C Computer Fundamentals for Business (3 hrs)

D: Social Foundations (6 hrs)

Select a listed course (3 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
- 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 (0 hr)
- SPC 1608 Fundamentals of Oral Communication (GEP)

Select 1:
- CGS 2100C Computer Fundamentals for Business (0 hr)
- CGS 2585C Desktop/Internet Publishing (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 (0 hrs)
- 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 RTV 3234C Broadcast Announcing and Performance or RTV 4700 Regulation of Broadcasting or RTV 4906 Directed Independent Study or RTV 4941 Internship (1 hr)

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 or RTV 3260C Single Camera Video Production and Editing (3 hrs)
- RTV 3301 Electronic Journalism I or RTV 3304 Electronic Journalism II and RTV 4320C Television News (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, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.
- The following minors are suggested to complement the RT/TV major, but any minor except those in the School of Communication, may be taken:

  - Digital Media
  - English - Writing
  - Film - Cinema Studies
  - Political Science
  - Sociology
  - Theatre
UCF Degree Programs
11. Departmental Exit Requirements
To avoid delaying graduation, you must request a review of
requirements before registering for your last term
Achieve an overall “C” GPA (2.0) in UCF Radio/TV courses
used to satisfy the major.
Before applying to graduate, the CLAS must be completely
satisfied
Computer competency met by the following course or
departmental assessment.
CGS 2100C Computer Fundamentals for Business
3 hrs
12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in
residency at UCF
A maximum of 45 hours of extension, correspondence,
CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon
Rule, the CLAS and nine hours of Summer credit (if applicable)
Total Semester Hours Required
120
Honors In Major
None
Related Programs
Advertising/Public Relations
Digital Media
Digital Media - Visual Language Track
Digital Media - Web Design Track
Film
Journalism
Theatre
Certificates
None
Related Minors
NOTE: Minors taught within the School of Communication
are not open to R/TV majors.
Digital Media
Film - Cinema Studies
Marketing
Mass Communication
Theatre
Advising Notes
None
Transfer Notes
Lower division courses taken at community colleges do not
substitute for Upper Division courses.
Courses transferred from private out-of-state schools must
be evaluated for equivalency credit. The student must provide
all supporting information.
Acceptable Substitutes for Transfer Courses
None
Plan of Study
This is one of numerous possible plans of study. See program description for all requirements.
Consult a departmental advisor for alternate, new, or more
appropriate selections.
Consult the department for detailed plans of study for each
specialization.
Freshman Year - Fall
GEP
GEP
ENC 1101
Composition I
MGF 1107
Explorations in Mathematics
SPC 1608
Fundamentals of Oral Communication

15 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs

UNIVERSITY OF CENTRAL FLORIDA

Freshman Year - Spring
GEP
GEP
CGS 2100C Computer Fundamentals for Business
ENC 1102
Composition II
RTV 3007
Development and Structure of Electronic
Media and New Technology

15 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs

Sophomore Year - Fall
Foreign Language
GEP
Elective / Minor
MMC 3200
Mass Communication Law
RTV 4403
Electronic Media, Technology, and Society
Apply to R/TV program

16 hrs
4 hrs
3 hrs
3 hrs
3 hrs
3 hrs

Sophomore Year - Spring
Foreign Language
Elective / Minor
MMC 3420
Mass Media Research Methods
RTV 3200
Production Fundamentals and Aesthetics of
Electronic Media

14 hrs
4 hrs
4 hrs
3 hrs
3 hrs

Junior Year - Fall
Restricted Elective
GEP
GEP
Elective / Minor
RTV 2102
Writing for the Electronic Media

15 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs

Junior Year - Spring
Restricted Elective
Restricted Elective
Elective / Minor
Elective / Minor
Elective / Minor

15 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs

Senior Year - Fall
Restricted Elective
Restricted Elective
Elective / Minor
Elective / Minor
Elective / Minor

15 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs

Senior Year - Spring
Restricted Elective
Elective / Minor
Free Elective
Free Elective
Free Elective

15 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning
outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Equipment Fees
Part-Time Student: $45 per term
Full-Time Student: $90 per term

Real Estate (B.S.B.A.)
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
Students seeking advising will need to go to BA 2 room
101.
http://web.bus.ucf.edu/realestate/
Phone: 407-823-3575
Not eligible for a double degree with another College of Business
Administration major.
Admission Requirements
Completion of the UCF General Education Program,
Gordon Rule, and CLAS or an AA degree from a Florida public
community college
See Common Program Prerequisites

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Undergraduate Catalog 2010-2011


### UCF Degree Programs

#### 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 can count toward another major or minor degree program.
- Students majoring in Real Estate must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students wanting to major in real estate must apply for admission to the major.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1508 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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</tbody>
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<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required MAC 1140 Pre-Calculus Algebra</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></td>
</tr>
<tr>
<td>Suggested ECO 2013 Principles of Macroeconomics or Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>2. Common Program Prerequisites (CPP)</td>
<td>(18 hrs)</td>
</tr>
<tr>
<td>Must be completed with a &quot;C&quot; (2.0) or better.</td>
<td></td>
</tr>
<tr>
<td>See Common Prerequisites in the Transfer and Transition Services section for more information.</td>
<td></td>
</tr>
</tbody>
</table>

| ACG 2021 Principles of Financial Accounting | 3 hrs |
| ACG 2071 Principles of Managerial Accounting | 3 hrs |
| CGS 2100C Computer Fundamentals for Business | 3 hrs |
| ECO 2013 Principles of Macroeconomics | 3 hrs |
| ECO 2023 Principles of Microeconomics | 3 hrs |

| Select one of the following sequences of courses: |
| Students who have not completed MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401 |

| ECO 3401 Quantitative Business Tools I | 3 hrs |
| ECO 3402 Business Finance | 4 hrs |
| or MAC 2233 Concepts of Calculus and Analytical Thinking | 3 hrs |
| or STA 2023 Statistical Methods I | 3 hrs |

<table>
<thead>
<tr>
<th>3. Core Requirements: Basic Level</th>
<th>(32 hrs)</th>
</tr>
</thead>
</table>

#### 4. Core Requirements: Advanced Level (9 hrs)

| Select 5: |
| FIN 3414 Intermediate Corporate Finance | 3 hrs |
| FIN 3504 Investment Analysis | 3 hrs |
| MAR 3391 Professional Selling | 3 hrs |
| REE 3614 Environmental Issues for Real Estate | 3 hrs |
| REE 4103 Real Estate Appraisal and Valuation | 3 hrs |
| REE 4203 Commercial Real Estate Finance | 3 hrs |
| REE 4204 Residential Real Estate Finance | 3 hrs |
| REE 4303 Real Estate Investment Analysis | 3 hrs |
| REE 4732 Real Estate Development | 3 hrs |
| Required in 1st or 2nd semester |

| Select 6: |
| REE 4903H Honors Directed Readings I | 1 hr |
| REE 4933 Advanced Topics in Real Estate | 3 hrs |
| REE 4941 Internship | 1 hr |
| REE 4970H Undergraduate Honors Thesis | 1 hr |

#### 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

### University of Central Florida

#### 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.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Macroeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take ECO 3401.
- Subject to the general grade and residence requirements, credit will be granted for transferred coursework equivalent to that required in the UCF Business program.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cul-Hist I 3 hrs
- Elective 3 hrs

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

Sophomore Year - Fall
- ACG 2021 Principles of Managerial Accounting 3 hrs
- ECO 2023 Principles of Macroeconomics 3 hrs
- Science 3 hrs
- Psy/Soc/Ant 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- FIN 2100 Personal Finance and Investments 3 hrs
- Science 3 hrs

Junior Year - Fall
- FIN 3403C Business Finance 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs

Junior Year - Spring
- ECO 3411 Quantitative Business Tools II 4 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs
- REE Elective 3 hrs

Senior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- REE Elective 3 hrs

Senior Year - Spring
- MAN 4720 Strategic Management 4 hrs
- REE Elective 3 hrs
- REE Elective 3 hrs
- REE Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Religious Studies (B.A.)

College of Arts and Humanities

Department of Philosophy,
Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: religion@mail.ucf.edu

Dr. Claudia Schippert
Phone: 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Required HUM 2210 Humanistic Tradition I 3 hrs
- Required HUM 2230 Humanistic Tradition II 3 hrs
- Required REL 2300 World Religions 3 hrs
UCF Degree Programs

C: Mathematical Foundations (6 hrs)
- MGF 1106 Finite Mathematics 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)
- May substitute higher level math course

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) None

3. Core Requirements: Basic Level (0 hrs)
- HUM 2210 Humanistic Tradition I GEP
- HUM 2230 Humanistic Tradition II GEP
- REL 2300 World Religions GEP

4. Core Requirements: Advanced Level (24 hrs)
- Foundations in the Study of Religion and Humanities 9 hrs
- Religion
  - HUM 3435 Medieval Humanities 3 hrs
  - HUM 3417 Hindu Thought and Culture 3 hrs
  - HUM 3419 Islamic Thought and Culture 3 hrs
  - HUM 3431 Ancient Humanities 3 hrs
  - HUM 3435 Medieval Humanities 3 hrs
- Traditions: Religion in a Global World 9 hrs
  - Select 1:
    - JST 3401 The Jewish People I or
    - JST 3402 The Jewish People II
  - Select 2:
    - HUM 3417 Hindu Thought and Culture or
    - HUM 3419 Islamic Thought and Culture or
    - HUM 3431 Ancient Humanities or
    - HUM 3435 Medieval Humanities or
    - HUM 3431 Ancient Humanities or
- Applications: Topics and Issues in the Study of Religion 6 hrs
  - Select 2:
    - HUM 3435 Medieval Humanities 3 hrs
    - HUM 4554 The Hebrew Creative Mind or
    - JST 3100 The Hebrew Creative Mind or
    - JST 3125 The Book of Job or
    - JST 3144 Dead Sea Scrolls or
    - JST 3450 Modern Jewish Experience or
    - JST 3550 Introduction to Modernism into Judaism or
    - JST 3701 History of the Holocaust or
    - JST 3751 Literature of the Holocaust or
    - JST 3810 The Jewish National Movement and Roots of Zionism or
- 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.

5. Restricted Electives (9 hrs)
- Select three 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 3:
  - AML 3615
  - ASH 3222
  - ASH 3223
  - HUM 3320
  - HUM 4301
  - HUM 4330

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.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120
Honors In Major
- Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major.
- Requirements are as follows:

Core, Elective Requirements, and Senior Seminar 36 hrs
- Same requirement as for regular majors

Honors Thesis 6 hrs
- REL 4903H Honors Directed Readings I 1 hr
- REL 4970H Undergraduate Honors Thesis 1 hr

Additional Requirements
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
- Earn a “B” (3.0) or better in both of the following:
  - REL 4903H Honors Directed Readings I 1 hr
  - REL 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- Humanities
- Interdisciplinary Studies
- Philosophy

Certificates
- None

Related Minors
- Humanities
- Judaic Studies
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
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
- Restricted Elective 3 hrs
- ENC 1102 Composition II 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- 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
- REL 3340 Buddhist Thought 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- REL 4910 Senior Research Seminar 3 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Restaurant and Foodservice Management (B.S.)
Rosen College of Hospitality Management
Department of Food-services and Lodging, 9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations
   Required MAC 1105 College Algebra 3 hrs
   Select 1: 3 hrs
   Required CGS 2100C Computer Fundamentals for Business or STA 2323 Statistical Methods I 3 hrs
   Required STA 2323 Statistical Methods I 3 hrs
   D: Social Foundations
   Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
   Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
   Select 1: 3 hrs
   Required ANT 2000 General Anthropology or PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs
   E: Science Foundations (6 hrs)
### UCF Degree Programs

#### 2. Common Program Prerequisites (CPP)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3</td>
</tr>
</tbody>
</table>

1 See “Common Prerequisites” in the Transfer and Transitions section (pg. 46) for more information.

#### 3. Core Requirements: Basic Level

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
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Select 1:

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<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
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Select 1:

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<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>GEP</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>GEP</td>
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#### 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>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>Hospitality Industry Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3444</td>
<td>Hospitality Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3603</td>
<td>Legal Environment in the Hospitality and Tourism Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance</td>
<td>3</td>
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</table>

Internships

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HFT 3940</td>
<td>Internship</td>
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<tr>
<td>HFT 4941</td>
<td>Internship</td>
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</tr>
<tr>
<td>HFT 4944</td>
<td>Practicum</td>
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</table>

Restaurant Management Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FSS 2221C</td>
<td>Techniques of Food Preparation</td>
<td>4</td>
</tr>
<tr>
<td>FSS 3124</td>
<td>Supply and Procurement Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3263</td>
<td>Restaurant Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4266</td>
<td>Restaurant Brand Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4268</td>
<td>Case Studies in Restaurant Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4281</td>
<td>Restaurant Leadership Strategies and Tactics</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4844</td>
<td>Sanitation in the Food Service Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4861C</td>
<td>Beverage Management</td>
<td>3</td>
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#### 5. Restricted Electives

Select 5:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 3008</td>
<td>Culture and Cuisine</td>
<td>3</td>
</tr>
<tr>
<td>FSS 3232C</td>
<td>Intermediate Techniques of Food Production</td>
<td>3</td>
</tr>
<tr>
<td>FSS 4135</td>
<td>Corporate Contract and Managed Services Organizations</td>
<td>3</td>
</tr>
<tr>
<td>FSS 4266C</td>
<td>Catering and Banquet Organization</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3574</td>
<td>Food Service Marketing Advertising and Promotion Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3654</td>
<td>Franchising in the Restaurant Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3888</td>
<td>History and Culture of Wine</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4281</td>
<td>Restaurant Leadership Strategies and Tactics</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning and Design</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4457</td>
<td>Food, Beverage, and Labor Cost Controls</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4864</td>
<td>Seminar in Quality Brewing and Fine Beer</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4865</td>
<td>Advanced Wine Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4866C</td>
<td>Exploring Wines of the World</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4894</td>
<td>International Gastronomy</td>
<td>3</td>
</tr>
<tr>
<td>HUN 3013</td>
<td>Nutrition Concepts and Issues in the Food Service Industry</td>
<td>3</td>
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#### 6. Capstone Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

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

- None

#### 9. Additional Requirements

- None

#### 10. Required Minors

- None

#### 11. Departmental Exit Requirements

- None

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

#### Honors in Major

- None

#### Related Programs

- None

#### 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 UCF’s Rosen College of Hospitality Management.
- Florida Public Community College students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two if the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

#### Acceptable Substitutes for Transfer Courses

- None

#### Plan of Study

- Plan your required nine summer credit hours into your course of study.

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>
Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Science Education - Biology (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/science/

Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-2561

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of ”C-“ (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Note: Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 1010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 1010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or
- Prefer STA 2014C Principles of Statistics 3 hrs

Select 1: (3 hrs)
- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

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

E: Science Foundations (7 hrs)
1 Required BSC 2010C Biology I 4 hrs
2 Required PSC 1121 Physical Science 3 hrs
- A 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.
- 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 (12 hrs)
- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.
- BSC 2010C Biology I GEP
- BSC 2011C Biology II 4 hrs
- CHM 1045C Chemistry Fundamentals I 4 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- PSC 1121 Physical Science GEP
- PSC 1121L Physical Science Lab 1 hr

4. Core Requirements: Advanced Level (62 hrs)
- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
UCF Degree Programs

- Passing score on the 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.
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Internship I Block 7 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- SCE 3840 Internship 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs

Specialization Requirements 25 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- SCE 4361 Programs in Teaching Science 3 hrs

Select 1: 4 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs

Internship II 12 hrs
- At least 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.
- SCE 4941 Internship 12 hrs

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (this requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 16 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PHI 2010 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
Science Education - Chemistry (B.S.)

College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/science/

Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-2561

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

Note: Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

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

C: Mathematical Foundations (6 hrs)
- Required MAC 1114 College Trigonometry 3 hrs

Select 1: 3 hrs
- Prefer STA 1060C Basic Statistics Using 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 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, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

UCF Degree Programs

Freshman Year - Summer 6 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Fall 14 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Select 1: 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel or
- STA 2043C Principles of Statistics 3 hrs

Sophomore Year - Spring 15 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

Select one of the following sequences of courses:
- CHM 2045C Chemistry Fundamentals I 4 hrs
- BSC 2010C Biology I 4 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- POS 2041 American National Government 3 hrs

1 In addition, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
3. Core Requirements: Basic Level (8 hrs)
- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.
  
  BSC 2010C  Biology I  GEP
  CHM 2045C  Chemistry Fundamentals I  4 hrs
  EDF 2130  Child and Adolescent Development for Educators  3 hrs
  MAC 1114  College Trigonometry  GEP
  PSC 1121  Physical Science  GEP
  PSC 1121L  Physical Science Lab  1 hr

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements 18 hrs
- Program Internship I Prerequisites: EDG 4410, TSL 4080, and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
  
  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 must apply and be approved for Internship II.
  
  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.
  
  Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
  
  SCE 3940  Internship  3 hrs
  SCE 4350  Science Instructional Analysis  4 hrs

Specialization Requirements 29 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.
  
  BCH 4053  Biochemistry I  3 hrs
  CHM 2046  Chemistry Fundamentals I  3 hrs
  CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
  CHM 2210  Organic Chemistry I  3 hrs
  CHM 2211  Organic Chemistry II  3 hrs
  CHM 2211L  Organic Laboratory Techniques I  2 hrs
  CHM 3120  Analytical Chemistry  3 hrs
  CHM 3120L  Analytical Chemistry Laboratory  1 hr
  CHS 3501  Introduction to Forensic Science  3 hrs
  PHYS 2053C  College Physics I  4 hrs
  SCE 4361  Programs in Teaching Science  3 hrs

Internship II 12 hrs
- At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
  
  Passing score on the Subject Area Examination (Chemistry 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
  
  Students must apply and be approved for Internship II.
  
  Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
  
  SCE 4941  Internship  12 hrs

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
  
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
  
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Recommended Four Year Sequence of Courses
Freshman Year - Fall
EDF 2005 Introduction to the Teaching Profession 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
EDF 2085 Introduction to Diversity for Educators 3 hrs
ENC 1102 Composition II 3 hrs
MAC 1114 College Trigonometry 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs

Freshman Year - Summer
EME 2040 Introduction to Technology for Educators 3 hrs
POS 2041 American National Government 3 hrs

Sophomore Year - Fall
AMH 2010 U.S. History: 1492-1877 3 hrs
BSC 2010C Biology I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Spring
AMH 2020 U.S. History: 1877-Present 3 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer
PHY 2085C College Physics I 4 hrs

Junior Year - Fall
CHM 2210 Organic Chemistry I 3 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
EDG 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Junior Year - Spring
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Junior Year - Summer
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools

Senior Year - Fall
BCH 4053 Biochemistry I 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
SCE 3940 Internship 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs

Senior Year - Spring
SCE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Science Education - Physics (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-2581

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirement are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (4 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or
- 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)
- Required PSC 1121 Physical Science 3 hrs
- Select 1:
- Prefer ANT 2511 The Human Species 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

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

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transition Services section for more information.

- 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, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
### UCF Degree Programs

**3. Core Requirements: Basic Level** (8 hrs)
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PSC 1121 Physical Science GEP
- PSC 1121L Physical Science Lab 1 hr

**4. Core Requirements: Advanced Level** (66 hrs)

#### Education Core Requirements
- Program Internship I Prerequisites: 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 Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL

#### Internship I Block
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is 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/clinicalexperience/

#### Specialization Requirements
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists I 4 hrs
- PHY 3101 Physics for Engineers and Scientists II 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

#### Select 1:
- PHY 3722C Physics Laboratory-Electronics or 3 hrs
- PHY 3752C Physics of Scientific Instruments 3 hrs

#### Internship II
- 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/clinicalexperience/

#### 5. Restricted Electives
- None (0 hrs)

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

**Admissions**
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. 
- (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation
- None

#### 8. Electives
- None

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- None

**Transfer Notes**
- None

**Acceptable Substitutes for Transfer Courses**
- None
Plan of Study (120 hrs)

Freshman Year - Fall
EDF 2005  Introduction to the Teaching Profession  3 hrs
ENC 1101  Composition I  3 hrs
PSY 2012  General Psychology  3 hrs
Select 1:
STA 1000C  Basic Statistics Using Microsoft Excel or
STA 2014C  Principles of Statistics  3 hrs

Freshman Year - Spring
EDF 2085  Introduction to Diversity for Educators  3 hrs
ENC 1102  Composition II  3 hrs
MAC 2311  Calculus with Analytic Geometry I  4 hrs
PHI 2010  Introduction to Philosophy  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Summer
EME 2040  Introduction to Technology for Educators  3 hrs
POS 2041  American National Government  3 hrs

Sophomore Year - Fall
AMH 2010  U.S. History: 1492-1877  3 hrs
MAC 2312  Calculus with Analytic Geometry II  4 hrs
PSC 1121L  Physical Science Lab  1 hr
Select 1:
ANT 2511  The Human Species or
BSC 1005  Biological Principles  3 hrs

Sophomore Year - Spring
AMH 2020  U.S. History: 1877-Present  3 hrs
CHM 2046C  Chemistry Fundamentals I  4 hrs
EDF 2130  Child and Adolescent Development for Educators  3 hrs
1 MAC 2313  Calculus with Analytic Geometry III  4 hrs

Sophomore Year - Summer
Select 1:  3 hrs
ANT 2511  The Human Species or
BSC 1005  Biological Principles  3 hrs

Junior Year - Fall
PHY 2048C  Physics for Engineers & Scientists I  4 hrs

Junior Year - Spring
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL  3 hrs
Select 1:  3 hrs
PSY 2012  General Psychology  3 hrs
Suggested  MGF 1106  Finite Mathematics  3 hrs

Junior Year - Summer
PHY 3101  Physics for Engineers and Scientists II  3 hrs

Senior Year - Fall
Select 1:  3 hrs
PHY 3722C  Physics Laboratory-Electronics  3 hrs
PHY 3752C  Physics of Scientific Instruments  3 hrs

Senior Year - Spring
Select 1:
SCE 4941  Internship  12 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

Social Science Education (B.S.)
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
  - Students are advised to take preferred courses.

A: Communication Foundations (9 hrs)
  - Required  ENC 1101  Composition I  3 hrs
  - Required  ENC 1102  Composition II  3 hrs
  - Prefer  SPC 1608  Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations (9 hrs)
  - Required  AMH 2010  U.S. History: 1492-1877  3 hrs
  - Required  AMH 2020  U.S. History: 1877-Present  3 hrs
  - Prefer  PHI 2010  Introduction to Philosophy  3 hrs

C: Mathematical Foundations (6 hrs)
  - Select 1:  3 hrs
  - Prefer  STA 1060C  Basic Statistics Using Microsoft Excel or
  - Prefer  STA 2014C  Principles of Statistics  3 hrs

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

E: Science Foundations (6 hrs)
  - Select 1:  3 hrs
  - Prefer  PSC 1121L  Physical Science  3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
  - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - EDF 2005  Introduction to the Teaching Profession  3 hrs
  - EDF 2085  Introduction to Diversity for Educators  3 hrs
  - EME 2040  Introduction to Technology for Educators  3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
3. Core Requirements: Basic Level (9 hrs)
   - Student should consult advisor regarding course options.
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - SYG 2000 Introduction to Sociology 3 hrs
   - 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.
     - EDF 4467 Learning Theory and Assessment 3 hrs
     - EDF 4603 Analysis of 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 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/clinicalexpx/ Deadline dates and applications are available through the Office of Clinical Experiences at
     - SSE 4340 Internship 3 hrs
     - SSE 4361 Social Science Instructional Analysis 4 hrs
   - Specialization Requirements 30 hrs
     - AMH 2010 U.S. History: 1492-1877 GEP
     - AMH 2020 U.S. History: 1877-Present GEP
     - ECO 2023 Principles of Microeconomics 3 hrs
     - EUH 2000 Western Civilization I 3 hrs
     - EUH 2001 Western Civilization II 3 hrs
     - GEO 3471 World Political Geography 3 hrs
     - POS 2041 American National Government GEP
     - PSY 2012 General Psychology GEP
     - SSE 4936 Programs in Teaching Social Science 3 hrs
     - Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX) 3 hrs
     - Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX) 3 hrs
     - Upper Division American History Elective (AMH prefix courses 3/4XXX) 3 hrs
     - Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX) 3 hrs
   - Internship II 12 hrs
     - At least 80% of all required social science courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
     - SSE 4941 Internship 12 hrs
   - 5. Restricted Electives (0 hrs)
     - None
   - 6. Capstone Requirements
     - None
   - 7. Foreign Language Requirements
     - Admissions
       - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
     - Graduation
       - None
   - 8. Electives
     - None
   - 9. Additional Requirements
     - None
   - 10. Required Minors
     - None
   - 11. Departmental Exit Requirements
     - Achieve a minimum 2.5 GPA in all courses within the major.
     - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
     - Pass all applicable sections of the Florida Teacher Certification Examination.
   - 12. University Minimum Exit Requirements
     - A 2.0 UCF GPA
     - 60 semester hours earned after CLEP awarded
     - 48 semester hours of upper division credit completed
     - 30 of the last 39 hours of course work must be completed in residency at UCF
     - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
     - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
   - Total Semester Hours Required
     - 120
     - Honors In Major
       - None
     - Related Programs
       - None
     - Certificates
       - None
     - Related Minors
       - None
     - Advising Notes
       - None
     - Transfer Notes
       - None
     - Acceptable Substitutes for Transfer Courses
       - None
### Plan of Study

#### Freshman Year - Fall
- EDF 2005: Introduction to the Teaching Profession (3 hrs)
- ENC 1101: Composition I (3 hrs)
- MGF 1106: Finite Mathematics (3 hrs)
- PSY 2012: General Psychology (3 hrs)

#### Freshman Year - Spring
- EDF 2085: Introduction to Diversity for Educators (3 hrs)
- ENC 1102: Composition II (3 hrs)
- POS 2041: American National Government (3 hrs)

#### Select 1:
- ANT 2511: The Human Species (3 hrs)
- BSC 1005: Biological Principles (3 hrs)

#### Freshman Year - Summer
- EME 2040: Introduction to Technology for Educators (3 hrs)
- SPC 1608: Fundamentals of Oral Communication (3 hrs)

#### Sophomore Year - Fall
- AMH 2010: U.S. History: 1492-1877 (3 hrs)
- ECO 2013: Principles of Macroeconomics (3 hrs)
- PSC 1121: Physical Science (3 hrs)
- SYG 2000: Introduction to Sociology (3 hrs)

#### Sophomore Year - Spring
- AMH 2020: U.S. History: 1877-Present (3 hrs)
- ECO 2023: Principles of Microeconomics (3 hrs)
- EDF 2130: Child and Adolescent Development for Educators (3 hrs)
- PHI 2010: Introduction to Philosophy (3 hrs)

#### Junior Year - Spring
- GEO 3471: World Political Geography (3 hrs)
- RED 4043: Content Reading in Kindergarten through Grade 12 (3 hrs)
- SSE 3840: Internship (3 hrs)
- SSE 4361: Social Science Instructional Analysis (4 hrs)

#### Senior Year - Fall
- EDF 4603: Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- EEX 4242: Teaching Exceptional Students in Secondary Settings (3 hrs)
- American History Elective (AMH 3/4XXX) (3 hrs)
- Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, or POS 3/4XXX) (3 hrs)

#### Senior Year - Spring
- SSE 4941: Internship (12 hrs)

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Social Sciences (B.S.)

#### College of Sciences

**Department of Sociology, Howard Phillips Hall, Room:**

**403**

[http://sociology.ucf.edu/](http://sociology.ucf.edu/)

**E-mail:** sociology@mail.ucf.edu

**Dr. H. Corzine**

**Phone:** 407-823-3744

The Social Science Interdisciplinary Degree emphasizes the critical study of the social world. The curriculum increases students’ awareness of the social sciences and how they interpret society, societal institutions, social interaction and communication, social culture, as well as past and present human conditions. Students focus on several specific areas within the social sciences while becoming aware of the interdisciplinary nature of the participating programs.

### Admission Requirements

#### None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students who declare the Social Sciences major must meet with a program advisor and complete a standardized entrance exam.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.
- Grades below “C” (2.0) in lower level courses are not accepted.
- Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.
- Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

   **A: Communication Foundations (9 hrs)**
   - Required: ENC 1101: Composition I
   - Required: ENC 1102: Composition II
   - Complete one of the following: 3 hrs
     - Computer Science Elective
     - Communication Elective

   **B: Cultural & Historical Foundations (9 hrs)**
   - Computer Science Elective
   - Communication Elective

   **C: Mathematical Foundations (6 hrs)**
   - Statistics:
     - Required: STA 2014C: Principles of Statistics
     - Required: STA 2023: Principles of Statistical Methods
   - Math:
     - You may substitute a higher level math with appropriate scores on the Math Placement Test.

   **D: Social Foundations (6 hrs)**
   - Select the following course:
     - Required: POS 2041: American National Government
### UCF Degree Programs

Select one of the following, depending on the concentration to be followed.  

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000 General Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### E: Science Foundations (6 hrs)
- 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 (0 hrs)
- Select one of the following Statistics courses: 0 hr
  - STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

Select at least three of the following, depending on concentrations to be taken: 0 hr
- ANT 2000 General Anthropology
- POS 2041 American National Government
- PSY 2012 General Psychology
- SPC 1608 Fundamentals of Oral Communication
- SYG 2000 Introduction to Sociology

#### 4. Core Requirements: Advanced Level (57 hrs)
- Select one methods’ course: 3 hrs
  - COM 3311 Communication Research Methods
  - POS 3703 Scope and Methods of Political Science
  - PSY 3213C Research Methods in Psychology
  - SYA 4300C Research Methods

#### Required Minors:
- Complete the requirements for 3 Social Science minors dealing with the following areas:
- Only one minor may be selected from the same department or school.
- Anthropology 18 hrs
- Communication 18 hrs
- Political Science 18 hrs
- Psychology 25 hrs
- Sociology 18 hrs

#### 5. Restricted Electives (0 hrs)
- None

#### 6. Capstone Requirements
- Students will be required to take a standardized exit exam in their graduating semester.

#### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement

#### Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, three semesters equivalent of American Sign Language, or one course with a multicultural dimension. Standardized examinations may be used to meet the requirement.

#### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the areas.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- Three minors are to be selected from the following listing:
  - However only one minor may be taken within a single department or school.

## 11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in each Social Science discipline.
- A minimum grade of “C” (2.0) in all core courses is required.
- Before applying to graduate, the CLAS must be completely satisfied.
- Students will be required to take a standardized exit exam in their graduating semester.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Anthropology
- Economics
- Interdisciplinary Studies - Liberal Arts Track
- Political Science
- Psychology
- Public Administration
- Sociology

### Certificates
- None

### Related Minors
- Anthropology
- Economics
- Interpersonal/Organizational Communication
- 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
Social Work (B.S.W.)
College of Health and Public Affairs
School of Social Work, Health and Public Affairs I,
Room: 204
http://www.copha.ucf.edu/social/
E-mail: socialwk@mail.ucf.edu
John Ronnau, Director
Robin Kohn, Undergraduate Program Coordinator
Phone: 407-823-2114

Admission Requirements
- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University
  - A 2.5 overall GPA
  - An AA (from a Florida State Community College) or UCF General Education Program, Gordon Rule, and CLAS
  - 15 semester hours common program prerequisites (see Section 2 below for list of courses)
- This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

Degree Requirements
- Students who are pending Social Work and are admitted to the program must adopt the most current catalog
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work
- Students should complete the General Education Program, the CLAS and the Common Program Prerequisite Requirements before beginning the Social Work Program
- Students should consult with a school advisor
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of "C" (2.0) in each course
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program
- Students must complete all the requirements listed in 1-11 below

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations
   - STA 2014C: Principles of Statistics or STA 2023: Statistical Methods I (3 hrs)
   B: Cultural & Historical Foundations
   - MGF 1106: Finite Mathematics or MGF 1107: Explorations in Mathematics (3 hrs)
   C: Mathematical Foundations
   - Suggested: MGF 1106 or MGF 1107 (3 hrs)

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $11 per term
- Full-Time Student: $22 per term
D: Social Foundations (6 hrs)
- Suggested: POS 2041 American National Government 3 hrs
- Suggested: PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Suggested: BSC 1005 Biological Principles 3 hrs

Select 1: (3 hrs)
- Suggested: AST 2002 Astronomy or
- Prefer: PSC 1121 Physical Science 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.

Select 1: (3 hrs)
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (45 hrs)
- SOW 3104 Assessing I: Human Development 3 hrs
- SOW 3111 Assessing II: Human Systems 3 hrs
- SOW 3203 Social Work & Community Resources 3 hrs
- SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs
- SOW 3352 Practice II: Interpersonal Skills in Social Work: 3 hrs
- SOW 3401 Social Work Research 3 hrs
- SOW 3520 Social Work with Diverse Populations 3 hrs
- SOW 4232 Social Welfare Policies and Issues 3 hrs
- SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
- SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
- SOW 4510 Field Education 9 hrs
- SOW 4522 Field Education Seminar 3 hrs
- SOW 4730 Documentation in Social Work Practice 3 hrs

Required Principles of Statistics (3 hrs)
- Choose two of the following suggested courses, or see advisor for more options:

Foreign Language or Cultural Diversity Requirement (6 hrs)
- Choose two of the following suggested courses
  - AMH 3561 Women in American History I 3 hrs
  - AMH 3571 Black American History I 3 hrs
  - AMH 3586 History of the Hispanic Minorities in the U.S. 3 hrs
  - ANT 2410 Cultural Anthropology 3 hrs
  - ANT 3302 Sex, Gender and Culture 3 hrs
  - ANT 3311 Indians of the Southeastern United States 3 hrs
  - ANT 3313 Indians of North America High Plains 3 hrs
  - ANT 3363 Anthropology of Japan 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - ANT 4332 People and Cultures of Latin America 3 hrs
  - ASH 4404 China in 19th and 20th Centuries 3 hrs
  - ASH 4442 Modern Japan, 19th and 20th Centuries 3 hrs
  - ASL 4344 Introduction to Signed English and Culture of the Deaf 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - HSC 3593 HIV Disease: A Human Concern 3 hrs
  - HUM 3401 Asian Humanities 3 hrs
  - HUM 3417 Hindu Thought and Culture 3 hrs
  - HUM 3419 Islamic Thought and Culture 3 hrs
  - JST 3401 The Jewish People I 3 hrs
  - JST 3402 The Jewish People II 3 hrs
  - JST 3820 Modern Hebrew Culture 3 hrs
  - LAH 3130 Latin American History I 3 hrs
  - LAH 3200 Latin American History II 3 hrs
  - LAH 3400 History of Mexico and Central America 3 hrs
  - LAH 3470 History of the Caribbean 3 hrs
  - SOP 3724 Psychology of Prejudice 3 hrs
  - SOP 3742 Psychology of Women 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs

5. Restricted Electives (3 hrs)
- Select three hours in consultation with faculty advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Graduation
- Cultural Diversity Requirement or Foreign Language requirement

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements

- A minimum overall GPA of 2.5 in all social work courses with a minimum grade of “C” (2.0) or higher in each social work course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major
- Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course
- Complete a three-credit thesis course
- Earn a 3.5 GPA in your Social Work major
- Earn a cumulative 3.2 GPA in your total UCF courses
- Complete 60 hours of college credit, including 12 upper division hours at UCF

Related Programs
- Criminal Justice
- Psychology
- Public Administration
- Sociology

Certificates
- Aging Studies
- Children’s Services

Related Minors
- Aging Studies
- American Humanics
- Health Services Administration
- Non-Profit Management/American Humanics National Certification Program
- Psychology
- Sociology
Proof Reading and Marking

Sociology, Principles of Statistics or Macroeconomics; Introductory Psychology; Introductory 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
BSC 1005 Biological Principles 3 hrs
ENC 1101 Composition I 3 hrs
PAF 2102 Public Affairs Careers 2 hrs
STA 2014C Principles of Statistics 3 hrs
Select 1: 3 hrs
PSY 2012 General Psychology or
SYG 2000 Introduction to Sociology 3 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
MGF 1106 Finite Mathematics 3 hrs
POS 2041 American National Government 3 hrs
Select 1: 3 hrs
PSY 2012 General Psychology or
SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs
MUL 2010 Enjoyment of Music or
PHI 2010 Introduction to Philosophy or
REL 2300 World Religions or
THE 2000 Theatre Survey 3 hrs

Sophomore Year - Fall
SOW 2020 Careers in Creating Social Change 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or
ECO 2023 Principles of Microeconomics

Select 1: 3 hrs
AMH 2010 U.S. History: 1492-1877 or
EUV 2000 Western Civilization I or
HUM 2210 Humanistic Tradition I or
WOH 2012 World Civilization I or
Foreign Language I or Cultural Diversity 3 hrs

Sophomore Year - Spring
Free Elective 3 hrs
Select 1: 3 hrs
AST 2002 Astronomy or
CHM 1020 Concepts in Chemistry or
PSC 1121 Physical Science

Select 1: 3 hrs
AMH 2020 U.S. History: 1877-Present or
EUV 2001 Western Civilization II or
HUM 2230 Humanistic Tradition II or
Foreign Language II or Cultural Diversity 3 hrs

Sophomore Year - Summer
Select 1: 3 hrs
SOW 3104 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

Select 1: 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

Senior Year - Fall
Free Elective 3 hrs
1 SOW 4510 Field Education 3 hrs
2 SOW 4522 Field Education Seminar 3 hrs
2 SOW 4941 Internship 5 hrs
1 For Full-time students ONLY
2 For part-time students ONLY

Senior Year - Spring
Free Elective 3 hrs
1 SOW 4510 Field Education 3 hrs
2 SOW 4522 Field Education Seminar 3 hrs
2 SOW 4941 Internship 5 hrs
1 For part-time students ONLY

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Sociology (B.A.)

College of Sciences
Department of Sociology
http://sociology.ucf.edu/
E-mail: sociology@mail.ucf.edu
Dr. J. Corzine, hcorzine@ucf.edu
Phone: 407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students' social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentation skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate study.
# UCF Degree Programs

and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

## Admission Requirements

- **None**

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
- Students must have a “C” (2.0) or higher in all core courses.
- Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.
- No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5917, 3940, 4941) credit may be used for the major.
- Students should consult annually with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

#### A: Communication Foundations (9 hrs)

**Statistics:**
- **Prefer** STA 2014C Principles of Statistics 3 hrs

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

#### C: Mathematical Foundations (6 hrs)

**Math:**
- A satisfactory score in the Math Placement Test is required before enrolling in this course.
  - **Prefer** MAC 1105 College Algebra 3 hrs

#### D: Social Foundations (6 hrs)

**Social Sciences**
- Required SYG 2000 Introduction to Sociology 3 hrs

**Political Science/Economics**
- Select one listed course 3 hrs

#### E: Science Foundations (6 hrs)

### 2. Common Program Prerequisites (CPP) (3 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.
- SYA 3110 Social Theory 3 hrs
- SYG 2000 Introduction to Sociology GEP

### 3. Core Requirements: Basic Level (0 hrs)

- SYG 2000 Introduction to Sociology GEP/CPP

### 4. Core Requirements: Advanced Level (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYA 3110</td>
<td>Social Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYA 3400C</td>
<td>Applied Social Statistics</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SYA 4300C</td>
<td>Research Methods</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SYA 4450</td>
<td>Data Analysis</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (27 hrs)

Select from the following courses:
- All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SYA 3120</td>
<td>Contemporary Social Theory</td>
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<tr>
<td>SYA 4650C</td>
<td>Community Action and Involvement</td>
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<tr>
<td>SYA 5625</td>
<td>ProSeminar</td>
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<td>SYA 5652</td>
<td>Advanced Population</td>
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<td>SYD 3410</td>
<td>Urban Society</td>
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<td>SYD 3700</td>
<td>Race and Ethnicity</td>
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<td>SYD 3800</td>
<td>Sex and Gender in Society</td>
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<td>SYD 4020</td>
<td>Birth, Death, and Population Trends</td>
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<tr>
<td>SYD 4510</td>
<td>Environment and Society</td>
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<td>SYD 4810</td>
<td>Women in Contemporary Society</td>
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<td>SYD 4813</td>
<td>Women, Law and Social Change</td>
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<td>SYG 2010</td>
<td>Social Problems</td>
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<td>SYG 3000</td>
<td>Contemporary Society</td>
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<td>SYO 3360</td>
<td>Social Organization and Human Relations</td>
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<td>SYO 3410</td>
<td>Patterns of Mental Health in Society</td>
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<td>SYO 3530</td>
<td>Social Power and Inequality</td>
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<td>SYO 4100</td>
<td>Family Trends</td>
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<td>SYO 4200</td>
<td>Religion in Society</td>
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<td>SYO 4250</td>
<td>Education and Social Achievement</td>
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<td>SYO 4300</td>
<td>Political Sociology</td>
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<td>SYO 4400</td>
<td>Medical Sociology</td>
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<td>SYP 3300</td>
<td>Fads, Crowds, and Social Action</td>
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<td>Sociology of Deviant Behavior</td>
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<td>Juvenile Delinquency</td>
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<td>Sociology of Law</td>
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<td>SYP 3551</td>
<td>Patterns of Alcoholism in Society</td>
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<td>SYP 3562</td>
<td>Patterns of Domestic Violence in Society</td>
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<td>Patterns of Popular Music in Society</td>
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<td>Popular Culture In Society</td>
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<td>Sports and Society</td>
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<td>SYP 4000</td>
<td>Sociological Social Psychology</td>
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<td>Constructing Social Issues</td>
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<td>SYP 4514</td>
<td>Patterns of Violence in Society</td>
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<td>SYP 4521</td>
<td>Crime Victims in Society</td>
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<td>SYP 4536</td>
<td>Gangs and Society</td>
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<tr>
<td>SYP 4550</td>
<td>Patterns of Drug Abuse in Society</td>
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<td>SYP 4730</td>
<td>Patterns of Aging in Society</td>
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<tr>
<td>SYP 4732</td>
<td>Sociological Criminology</td>
</tr>
</tbody>
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### 6. Capstone Requirements

- **None**

### 7. Foreign Language Requirements

#### Admissions

- Met by graduation requirement.

#### Graduation

- Proficiency equivalent to one year of college instruction in either a foreign language, or three semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of "C" (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  SYA 4450 Data Analysis 4 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- Criminal Justice

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses
- SYG 2000; although the CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110: although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

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Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term
Spanish (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano
Phone: 407-823-2472

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

Admission Requirements
■ None

Degree Requirements
■ 36 credits in Spanish must be taken at the 3000 level or above.
■ At least 6 of the 36 Spanish credits must be at the 4000 level.
■ At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
■ Students must earn at least a “C” (2.0) in each upper division Spanish course.
■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
■ Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
■ Co-op or internship credit cannot be used in this major.
■ Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
1 MGF 1106 Finite Mathematics 3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
1 May substitute a higher level math
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (0 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
1 May be met by proficiency test or completion of SPN 3234
3. Core Requirements: Basic Level (0 hrs)
SPN 3234 Advanced Directed Readings 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
1 SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
1 SPN 3420 Spanish Composition 3 hrs
1 SPN 3760 Advanced Spanish Oral Communication 3 hrs
Select one of the following sequences of courses:
SPW 3100 Survey of Spanish Literature I and 3 hrs
SPW 3101 Survey of Spanish Literature II 3 hrs
or
SPW 3130 Survey of Latin-American Literature I and 3 hrs
SPW 3131 Survey of Latin-American Literature II 3 hrs
1 A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

5. Restricted Electives (21 hrs)
Select one of the following
FOL 3730 Romance Philology 3 hrs
SPN 3852 Bilinguismo 3 hrs
SPN 4780 Spanish Phonetics 3 hrs
SPN 4800 Spanish-American Syntax 3 hrs
SPN 4801 Spanish Morphosyntax 3 hrs

Spanish literature beyond the survey level 6 hrs
taught in Spanish
Culture and Civilization 3 hrs
Select 1: 3 hrs
SPN 4510 Spanish Civilization and Culture or 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs
Spanish courses 9 hrs

6. Capstone Requirements
■ None

7. Foreign Language Requirements

Admissions
■ Met by Graduation requirements.

Graduation
■ Met by Common Program Prerequisites.

8. Electives
■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120
Honors In Major
- None

Related Programs
- French
- Modern Language Combination

Certificates
- None

Related Minors
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency 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
- Elective / Minor
- ANT 2000 General Anthropology 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring
- Elective / Minor
- ENC 1102 Composition II 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- POS 2041 American National Government 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Sophomore Year - Spring
- Elective / Minor
- BSC 1005 Biological Principles 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs
- SPN 3234 Advanced Directed Readings 3 hrs

Junior Year - Fall
- Elective / Minor
- Elective / Minor
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs

Junior Year - Spring
- Elective / Minor
- Elective / Minor
- SPN 3141 Business Spanish II 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs
- SPW 3101 Survey of Spanish Literature II 3 hrs

Senior Year - Fall
- Elective / Minor
- Elective / Minor
- SPN 4520 Latin American Civilization and Culture 3 hrs
- SPN 5705 Introduction to Spanish Linguistics 3 hrs
- SPW 3100 Survey of Spanish Literature I 3 hrs

Senior Year - Spring
- Elective / Minor
- Elective / Minor
- SPN 4410 Advanced Spanish Conversation 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- SPW 4381 Latin-American Theatre/Poetry 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Sport and Fitness (B.S.)

College of Education

Department of Child, Family and Community Sciences, Education Building, Room: 209
http://pegasus.cc.ucf.edu/~sportfit/
Dr. Debby Mitchell, ED 320H, mitchell@mail.ucf.edu

The Sport and Fitness B.S. program is offered at the UCF Orlando and UCF South Lake (Clermont) Campuses. The program prepares graduates for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. Students select from five areas of specialization (i.e., Coaching; Fitness Training; Children's Physical Activity and Movement; Physical Human Performance; or Recreation). While in the program, students complete professional certification(s) within their specialization as part of their program requirements. Students are provided with a mix of course content and practical field experiences. Students may be required to participate in courses and/or field experiences at both the UCF Orlando campus and the UCF South Lake (Clermont) Campus sites. The capstone activities of the program include two Practicums with high-quality program partners that provide invaluable hands-on knowledge and experiences in the student's chosen field.

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.0 overall GPA.
- Meet the University CLAS requirement.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements
- Students should consult with an advisor on a regular basis. The courses designated in 1. (General Education), 2. (Sport and Fitness Lower Division), and 3. (Lower Division Electives) should be completed prior to admission to the major and upper division courses.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a “C-” (1.75) in each required course and maintain an overall GPA of at least a 2.0.
UCF Degree Programs

Prior to participation in Sport and Fitness Practicum I and Practicum II listed below, students must have achieved admission into one of the areas of specialization listed and described below.

Students must meet with their advisor prior to enrollment in Sport and Fitness Practicum I and Practicum II to complete departmental 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

B: Cultural & Historical Foundations (9 hrs)
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
Elective from GEP section B.2 3 hrs

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

Select 1: 3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel or
Prefer STA 2014C Principles of Statistics 3 hrs

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

E: Science Foundations (7 hrs)
Required BSC 2010C Biology I 4 hrs
Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (0 hrs)

3. Core Requirements: Basic Level (38 hrs)

Sport and Fitness Pre-requisite Courses 3 hrs
PET 3137 Concepts & Practices in Sport and Fitness 3 hrs

Sport and Fitness Co-requisite Courses 7 hrs
PET 2622C Human Injuries and 3 hrs
ZOO 3736C Exercise Physiology Anatomy 4 hrs

Lower Division Electives 13 hrs
Students may select other electives but are advised to take the following courses to improve their preparation for their specialization. (Choose courses with prefixes: PEL, PEM, PEO, PET, PET 3137-Concepts and Practices in Sport and Fitness Practicum I and Practicum II to complete departmental application and approval process of the organization with which they will be working.

PET 3137 Concepts & Practices in Sport and Fitness 3 hrs

PET 4151 Coaching Specialization 27 hrs

PET 3361 Nutrition for Sport and Fitness 3 hrs
PET 3768 Group Exercise Instruction 3 hrs
PET 4083 Personal Training Methods 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4351C Applied Exercise and Human Physiology 3 hrs
SPM 3415 Public Relations in Sport and Fitness 3 hrs

Select 1: 3 hrs
PET 3125 Fitness and Weight Management or 3 hrs
PET 3771 Strength and Conditioning Concepts 3 hrs

Select six hours of electives (as approved by Advisor) 6 hrs

C. Children’s Physical Activity & Movement 27 hrs

Complete the following required courses and complete one group.

DAE 3370 Dance and Rhythms 3 hrs
PEO 3041 Games Analysis 3 hrs
PET 3820 Teaching Sports Skills I 3 hrs
PET 4050C Motor Development and Learning 3 hrs
PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs

Group 1: Education: School-Age Focus 9 hrs

Note: Students must enroll in Education minor
EDF 4467 Learning Theory and Assessment and 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs

Select 1: 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 or 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Group 2-Coaching Children Focus 6 hrs

PET 3765 Coaching Theory and 3 hrs
PET 4763 Coaching Methods And Principles 3 hrs

Select 2: 6 hrs
PEO 2624 Coaching Basketball or 3 hrs
PEO 3324 Coaching Volleyball or 3 hrs
PEO 3644 Coaching Football 3 hrs
PEO 4215 Motivational Aspects of Athletic Performance or 3 hrs
SPM 3204 Sports and Ethics or 3 hrs
SPM 3415 Public Relations in Sport and Fitness 3 hrs

Group 3-Children’s Fitness Focus 12 hrs

PET 3361 Nutrition for Sport and Fitness and 3 hrs
PET 3771 Strength and Conditioning Concepts and 3 hrs
PET 4215 Motivational Aspects of Athletic Performance and 3 hrs
SPM 3415 Public Relations in Sport and Fitness and 3 hrs
PET 3939 Group Exercise Instruction 3 hrs

Group 4- Early Childhood Development Focus 12 hrs

EDC 3000 Early Childhood Development and 3 hrs
EDC 4303 Planning Creative Activities in Early Childhood and 3 hrs
EDC 4604 Classroom Management and Guidance of Young Children and 3 hrs
EDC 6661 Early Childhood Education Theory and Practice 3 hrs

D. Physical Human Performance Specialization 27 hrs

PET 3361 Nutrition for Sport and Fitness 3 hrs
PET 3768 Group Exercise Instruction 3 hrs
PET 4083 Personal Training Methods 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4351C Applied Exercise and Human Physiology 3 hrs
PET 4625 Human Injuries: Mechanisms & Prevention 3 hrs

Select nine hours of electives (as approved by Advisor) 9 hrs
F. Recreation Specialization

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<td>PET 3765</td>
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<td>PET 3820</td>
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<td>PET 4002</td>
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<td>SPM 3130</td>
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<tr>
<td>SPM 3415</td>
<td>Public Relations in Sport and Fitness</td>
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Select six hours of electives (as approved by Advisor) | 6 hrs |

5. Restricted Electives (18 hrs)

Sport and Fitness Practica
- During the final year of the program, students will complete Practicum requirements with a Sport or Fitness organization. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they have chosen to work. The design of Practicum I will be that of an observational and analytical role. During Practicum II, the student will be given responsibilities and assignments through the organization in which they have been placed and will carry an active role in the operation of the organization.
- In both Practicum I and Practicum II, the student will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status. The Sport and Fitness program has developed tremendous opportunities through associations with partners in the Clermont and greater Orlando areas. Students will not be limited to these organizations. Students will have the option to arrange their own practicum experience if they so choose. In either case, before enrolling in either Practicum I or Practicum II, students must meet with their advisor to provide organization contact information and gain Practicum Placement Approval.
- The students will be instructed that they will be representing not only themselves while on site during their Practicum experiences, but also the University of Central Florida and the Sport and Fitness Program. Professionalism in manner, dress and job performance will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their University Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action will be developed. If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

PET 4925 | Sport and Fitness Practicum I | 6 hrs |
PET 4926 | Sport and Fitness Practicum II | 12 hrs |

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- (0-8 hrs.) State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.5.
- Complete three Specialization Certifications.
- Participation in event operations of a minimum of one major sport and fitness event.
- Successful completion of 18 hours of Practicum Experience.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Students who transfer from another institution may be permitted to take the prerequisite course, PET 3137-Concepts and Practices, concurrently with the remaining core classes in their first term of enrollment in the Sport and Fitness program

Acceptable Substitutes for Transfer Courses
- BSC 2093C and PET 2622C may be taken at a community college to meet UCF Sport and Fitness co-requisite requirements. BSC 2093C may substitute for ZOO 3736C if taken at a community college.

Plan of Study

Freshman Year - Fall 12 hrs
- ENC 1101 | Composition I | 3 hrs |
- PSC 1121 | Physical Science | 3 hrs |
- PSY 2012 | General Psychology | 3 hrs |
- Elective | 3 hrs |

Freshman Year - Spring 16 hrs
- BSC 2010C | Biology I | 4 hrs |
- ENC 1102 | Composition II | 3 hrs |
- MGF 1106 | Finite Mathematics | 3 hrs |
- POS 2041 | American National Government | 3 hrs |
- SPC 1608 | Fundamentals of Oral Communication | 3 hrs |

Sophomore Year - Fall 14 hrs
- ZOO 3736C | Exercise Physiology Anatomy | 4 hrs |

Select 1: 3 hrs
- CGS 1060C | Introduction to Computer Science or STA 1060C | 3 hrs |
- STA 1060C | Basic Statistics Using Microsoft Excel or STA 2014C | 3 hrs |
- STA 2014C | Principles of Statistics | 3 hrs |

GEP B.1 | 3 hrs |
- Elective | 4 hrs |

Sophomore Year - Spring 15 hrs
- PET 2622C | Human Injuries | 3 hrs |
- PET 3137 | Concepts & Practices in Sport and Fitness | 3 hrs |
- GEP B.1 | 3 hrs |
- Elective | 3 hrs |
- Elective | 3 hrs |
**UCF Degree Programs**

**Sophomore Year - Summer**
- GEP B.2 3 hrs
- Elective 3 hrs

**Junior Year - Fall**
- PET 4312 Biomechanics 3 hrs
- PET 4550 Fitness Assessment 3 hrs
- SPM 4723 Legal Issues in Sport and Fitness 3 hrs
- Specialization course 3 hrs

**Junior Year - Spring**
- PET 4401 Administration and Evaluation in Sport and Fitness 3 hrs
- SPM 3504 Fiscal and Facilities: Issues in Sport and Fitness 3 hrs
- Specialization course 3 hrs
- Specialization course 3 hrs
- Specialization course 3 hrs

**Senior Year - Summer**
- Specialization course 3 hrs

**Junior Year - Fall**
- PET 4925 Sport and Fitness Practicum I 6 hrs
- Specialization course 3 hrs
- Specialization course 3 hrs
- Specialization course 3 hrs

**Senior Year - Spring**
- PET 4926 Sport and Fitness Practicum II 12 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Statistics (B.S.)**

**College of Sciences**

**Department of Statistics, Computer Center II, Room: 212**


**E-mail:** 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.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.
- STA 2023 Statistical Methods I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

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

**A: Communication Foundations**
- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

**B: Cultural & Historical Foundations**
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

**C: Mathematical Foundations**
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

**D: Social Foundations**
- Required ANT 2000 General Anthropology or 3 hrs
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

**Economics**
- Required ECO 2013 Principles of Macroeconomics 3 hrs

**Social Sciences: Select one.**
- Required ANT 2000 General Anthropology or 3 hrs
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

**E: Science Foundations**
- Required BSC 2010C Biology I 4 hrs

**Physical Science:**
- Required PHY 2053C College Physics I 4 hrs
- Required CHM 2040C Chemistry Fundamentals IA and 3 hrs
- Required CHM 2041C Chemistry Fundamentals IB 3 hrs
- or
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

**Select one of these courses designed for science majors:**
- Required BSC 2010C Biology II or 4 hrs
- Required CHM 2045C Chemistry Fundamentals I or 4 hrs
- Required PHY 2053C College Physics I 4 hrs

**3. Core Requirements: Basic Level**
- BSC 2010C Biology I 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 2023 Statistical Methods I 4 hrs

**Select a second science course for majors:**
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- PHY 2053C College Physics I 4 hrs

**4. Core Requirements: Advanced Level**
- COP 3502C Computer Science I 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- STA 4102 Computer Processing of Statistical Data 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

**Select 1:**
- MAS 3105 Matrix and Linear Algebra or 4 hrs
- MAS 3106 Linear Algebra 4 hrs

**Select 1:**
- COT 3100C Introduction to Discrete Structures or 3 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
Select 4:  
- STA 3096 Statistical Graphics or 3 hrs
- STA 4173 Biostatistical Methods or 3 hrs
- STA 4183 Theory of Interest or 3 hrs
- STA 4184 Introduction to Derivative Markets or 3 hrs
- STA 4186 Theory of Derivative Pricing or 3 hrs
- STA 4222 Sample Survey Methods or 3 hrs
- STA 4502 Nonparametric Statistical Methods or 3 hrs
- STA 4504 Categorical Data Analysis or 3 hrs
- STA 4664 Statistical Quality Control or 3 hrs
- STA 4852 Applied Time Series 3 hrs

5. Restricted Electives (6 hrs)  
- Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
- Selected courses in engineering or business may be used but must first be approved by the Statistics Department.
- The following courses cannot be used to satisfy this requirement:
  - MAC 2233 Concepts of Calculus 3 hrs
  - MAC 2253 Applied Calculus I 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 2033 Principles of Microeconomics 3 hrs
  - FIN 3403C Business Finance 4 hrs
- 9. Additional Requirements  
- None

10. Required Minors  
- None

11. Departmental Exit Requirements  
- Earn a grade of "C" (2.0) or better in each STA course.
- Take SOA Exam P (Probability) and report the score to the department.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:  
  - STA 4102 Computer Processing of Statistical Data 3 hrs

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  
- 120

Honors in Major
- None

Related Programs
- Mathematics - Applied Track
- Mathematics Education

Certificates
- None

Related Minors
- Mathematics
- Statistics

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 laboratory BSC, CHM, or PHY course will satisfy the CPP. However, the listed course is a prerequisite 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://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 13 hrs
- GEP 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 15 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

Select one course:  4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- PHY 2053C College Physics I 4 hrs

Sophomore Year - Fall 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 4163 Statistical Methods II 3 hrs

Sophomore Year - Spring 15 hrs
- Core Course 3 hrs
- Core Course 4 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- STA 4164 Statistical Methods III 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- STA 4321 Statistical Theory I 3 hrs
UCF Degree Programs

Junior Year - Spring  
Free Elective  
Core Course  
Elective / Minor  
Elective / Minor  
STA 4322  
Statistical Theory II  
16 hrs

Senior Year - Fall  
Elective / Minor  
Core Course  
COT 4500  
Numerical Calculus  
ENC 3241  
Writing for the Technical Professional  
STA 4102  
Computer Processing of Statistical Data  
3 hrs  
3 hrs  
3 hrs  
3 hrs  
3 hrs

Senior Year - Spring  
GEP  
GEP  
Elective / Minor  
Elective / Minor  
Elective / Minor  
15 hrs  
3 hrs  
3 hrs  
3 hrs  
3 hrs

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees  
- Part-Time Student:
- Full-Time Student:

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

Department of Teaching and Learning Principles,  
Education Building, Room: 209

http://education.ucf.edu/teched/  
Dr. Jo Ann M. Whiteman, ED 115D, jwhitema@mail.ucf.edu  
Phone: 407-823-2848

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements  
- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida community college or state university)
- Have a minimum 2.5 overall GPA
- Meet the University CLAS or CLAS alternative criteria
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements  
- Students should consult with an Education advisor prior to registration.
- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor’s degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

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)  
C: Mathematical Foundations (6 hrs)  
D: Social Foundations (6 hrs)  
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)  
EDF 2005  Introduction to the Teaching Profession  
EDF 2085  Introduction to Diversity for Educators  
EME 2040  Introduction to Technology for Educators

3. Core Requirements: Basic Level (0 hrs)  
- None

4. Core Requirements: Advanced Level (57 hrs)  
ADE 4382  Teaching Adult Learners in Technical Programs  
EV T3062  Professional Role of the Vocational Teacher  
EVT 3305  General Methods/Testing Evaluation in Vocational Education  
EVT 3367  Evaluation of Vocational Instruction  
EVT 3502  Special Needs of Vocational Students  
EVT 4065  Principles and Practices of Technical Education  
EVT 4169  Curriculum Development Techniques for Industry Training  
EVT 4368  Advanced Teaching Techniques for Vocational Education

Select 1:  
BTE 4410  Course Construction in Business Education  
EVT 3312  Course Construction in Health Occupations Education  
EVT 3371  Course Construction in Industrial Education

Technical Specialization Requirements (30 hrs)  
- Students must complete an area specialization through one of the following routes:
- Occupation-specific courses
- Recognized occupational license/registration/certification
- Occupational examination
- Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit. Appropriate documentation must be provided to advisor before this will be submitted for credit.

5. Restricted Electives (18 hrs)  
Upper Division Electives (6 hrs)  
With advisor’s approval

Directed Field Experience (12 hrs)  
- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

6. Capstone Requirements  
- None

7. Foreign Language Requirements  
Admissions  
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
### UCF Degree Programs

#### Theatre (B.F.A.)

**College of Arts and Humanities**  
**Department of Theatre, UTC, Room: 180**  

Dr. Be Boyd, bbboyd@mail.ucf.edu, 407-823-2862  
Dr. Bert Scott, hscott@mail.ucf.edu, 407-823-2862  
Phone: 407-823-2862

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in either Acting, Stage Management, or Design & Technology. The BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

#### Admission Requirements

- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
UCF Degree Programs

- 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 Conservatory Theatre Production.

- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.

- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program. Continuation in the BFA program requires a positive BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.

- Co-op credit cannot be used in this major.

- Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

- Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, one must be a front of house assignment, and the final one can be chosen by the student.

- Prior to graduation, all BFA Design & Technology and Stage Management majors (including transfers) must participate in at least 4 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be in an advanced production position. The other two credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.

- All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.

- Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department's Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

- Design & Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.

- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

- Students must follow the most recent department student handbooks which are available on the department web site at www.theatre.ucf.edu.

- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

- Courses designated 1 (General Education Program) are taken throughout all four years.

- Design & Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

1 Required ARH 2051 History of Western Art II 3 hrs

Required THE 2020 Survey of Theatre for Majors 3 hrs

1 Design & Technology Students select ARH 2051 (History of Western Art II)

C: Mathematical Foundations (6 hrs)

1 Required MGF 1106 Finite Mathematics 3 hrs

Required STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (May substitute for a higher level math)

D: Social Foundations (6 hrs)
## E: Science Foundations (6 hrs)

- THE 2020 Survey of Theatre for Majors
- THE 2304 Script Analysis
- TPA 2290L Theatre Participation-Production I
- TTP 3310C Directing for Theatre I

### Select 1: (3 hrs)
- TTP 2101 Fundamentals of Acting or
- TTP 2103 Acting I - Introduction

### Select 1: (3 hrs)
- TPA 2211 Stagecraft II or
- TTP 2170C Acting II - The Actor Prepares

Select one of the following sequences of courses:

- TPA 2210L Stagecraft I Lab
- TPA 2210 Stagecraft I
- TPA 4293L Theatre Participation-Production II

or

- TPP 2110C Technical Theatre Production Lab
- TPP 2201L Technical Theatre Production Lab

### Theatre Elective (THE, TPP, TPA Prefix) (1 hr)

### 3. Core Requirements: Basic Level (9 hrs)

- THE 2081C Introduction to UCF Theatre
- THE 3311 Theatre History and Dramatic Literature I
- THE 3312 Theatre History and Dramatic Literature II
- THE 3313 Theatre History and Dramatic Literature III
- THE 4954 Theatre Exit Critique

### 4. Core Requirements: Advanced Level (64 hrs)

#### Specialization: select one area

### Acting Specialization (61 hrs)

- DAA 2280C Ballet I and
- TPA 2248C Makeup Techniques and
- TTP 2190L Theatre Participation-Performance I and
- TTP 2710C Voice Production I and
- TTP 3172C Acting III - Building the Character and
- TTP 3257C Musical Theatre Voice I and
- TTP 3258C Musical Theatre Voice II and
- TTP 3510C Movement for the Actor and
- TTP 3513C Movement for the Actor II and
- TTP 3711C Voice Production II and
- TTP 3712C Voice Production III and
- TTP 4140C Acting IV - Creating the Role and
- TTP 4142C Acting Verse and
- TTP 4221 Auditioning and
- TTP 4223C Theatre Careers for Performance and
- TTP 4265C Camera Acting and
- TTP 4512C Stage Combat and
- TTP 4531C Period Movement and
- TTP 4730C Dialects and
- TTP 4940L Theatre Internship and

#### Select 1: (2 hrs)

- DAA 2100C Modern Dance I or
- DAA 2570C Jazz Dance I

#### Select 1: (1 hr)

- THE 4093L Theatre Participation-Management II or
- TPA 4293L Theatre Participation-Production II or
- TTP 4193L Theatre Participation-Performance II

#### Stage Management Specialization (60 hrs)

- TTP 3712C Stage Management and
- TTP 4250C ADD for Theatre and
- TTP 4293L Theatre Participation-Production II and
- TTP 4400C Theatre Management and
- TTP 4401C Theatre Careers in Production and
- TPP 3103 Intermediate Acting and
- TPP 4940L Theatre Internship and

#### Restricted Electives (see list of courses) (7 hrs)

- TPP 3860C Scene Design for Theatre I or TPA 3040C

### 5. Restricted Electives (0 hrs)

- (1 credit course, must be taken twice)

#### Design and Technology Specialization (63 hrs)

- ARH 2051 History of Western Art II and
- THE 4284 Period Costume, Architecture, and Decor I and
- THE 4285 Period Costume, Architecture, and Decor II and
- TPA 2000C Theatre Design Basics and
- TPA 2010C Scenography and
- TPA 2071C Theatre Rendering and
- TPA 2210L Stagecraft I Lab and
- TPA 2211L Stagecraft II Lab and
- TPA 2220C Stage Electronics and
- TPA 2230C Costume Construction and
- TPA 2600 Stage Management Basics and
- TPA 3077C Scene Painting and
- TPA 3195L Summer Theatre Studio/Tech/Design I and
- TPA 3197L Summer Theatre Studio/Tech/Design II and
- TPA 3601 Stage Management and
- TPA 4066C Advanced Scenography and
- TPA 4250C ADD for Theatre and
- TPA 4251C Advanced ADD for Theatre and
- TPA 4293L Theatre Participation-Production II and
- TPA 4401C Theatre Careers in Production and
- TPA 4940L Theatre Internship and

#### Design Electives (see list of courses) (9 hrs)

- (1 credit course, must be taken twice)

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**UNIVERSITY OF CENTRAL FLORIDA**

**UCF Degree Programs**

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Undergraduate Catalog 2010-2011
1 Other THE, TPA, TPP, DAA, or DAN courses taught by and approved by the department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

Design Electives
■ (for Design and Technology Specialization)
■ Select three
TPA 3040C Costume Design for Theatre I
TPA 3060C Scenic Design for Theatre I
TPA 3221C Lighting Design for Theatre I
TPA 3260C Sound Design for Theatre I
TPA 3380C Topics in Technical Theatre
TPA 3601 Stage Management
TPA 4014C Costume Design for Theatre II
TPA 4061C Scenic Design for Theatre II
TPA 4224C Lighting Design for Theatre II
TPA 4254C Sound Design for Theatre II
TPA 4293L Theatre Participation-Production II
TPA 4384C Advanced Topics in Technical Theatre
TPA 4400 Theatre Management
TPP 3197L Summer Theatre Studio/Tech/Design I
TPP 3197L Summer Theatre Studio/Tech/Design I (variable)
TPP 3601 Stage Management
TPP 3952 Summer Studio Performance
TPP 4143C Acting Styles
TPP 4193C Theatre Participation-Performance II
TPP 4243C Circus Arts
TPP 4293L Theatre Participation-Production II
TPP 4311C Advanced Directing for Theatre
Honors in the Major Directed Readings and Thesis

6. Capstone Requirements
■ None

7. Foreign Language Requirements

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

Graduation
■ None

8. Electives
■ (variable)

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Earn a grade of "C" (2.0) or better in each Theatre course
■ Maintain a "B" Theatre GPA (3.0) or better
■ Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.
■ Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
■ Minimum of 60 theatre credits must be completed in residency at UCF
■ Computer Competency met by STA 1060C, TPA 4250C, or a computer science course.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 129

Honors In Major
■ None

Related Programs
■ Art
■ Film
■ Music
■ Theatre Studies

Certificates
■ None

Related Minors
■ Art - Studio
■ Dance
■ Film - Cinema Studies
■ Music
■ Theatre

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
■ Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  1. THE 2020 Survey of Theatre for Majors
  2. TPA 2201 Technical Theatre Production
  3. TPP 2300 Introduction to Theatre
■ THE 2304 Script Analysis may be substituted with:
  1. THE 2304 Script Analysis
  2. TPA 2201 Technical Theatre Production
  3. TPP 2300 Introduction to Theatre
■ TPP 2210 Stagecraft I may be substituted with:
  1. TPP 2210 Stagecraft I
  2. TPP 3310C Directing for Theatre

1 may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.

Plan of Study
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oed.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $45 per term
■ Full-Time Student: $90 per term
The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre.

Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

Admission Requirements

■ Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.

■ The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.

■ A candidate must present an audition consisting of one monologue and two musical selections. The entirety of the audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted.


■ All students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.

■ All BFA musical theatre students are accepted on a "Provisional" basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.

■ Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.

■ The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.

■ Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.

■ Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program.

■ Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.

■ Co-op cannot be used in this major.

■ Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

■ Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

■ Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.

■ All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.

■ Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

■ All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

■ Students must follow the most recent department student handbooks which are available on the department web site at http://www.theatre.ucf.edu.

■ The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

■ Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

■ Courses designated 1 (General Education Program) are taken throughout all four years.

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

   A: Communication Foundations (9 hrs)

   B: Cultural & Historical Foundations (9 hrs)

   Required THE 2020 Survey of Theatre for Majors 3 hrs

   Select one course from 1.B.1 list 3 hrs

   Select one course from 1.B.1 or 1.B.2 list 3 hrs

   C: Mathematical Foundations (6 hrs)

   1 Prefer MGF 1106 Finite Mathematics 3 hrs

   Prefer STA 1000C Basic Statistics Using Microsoft Excel 3 hrs

   1 (May substitute a higher math)

   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
1 THE 2304 Script Analysis  3 hrs
1 TPA 201L Technical Theatre Production  2 hrs
TPP 2200L Technical Theatre Production Lab  1 hr
TPP 2290L Theatre Participation-Production I  1 hr
TPP 2110C Acting I - Introduction  3 hrs
TPP 2170C Acting II - The Actor Prepares  3 hrs
1 TPP 3310C Directing for Theatre I  3 hrs
Theatre Elective  (THE, TPP, TPA prefix)  3 hrs
*See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (20 hrs)

- Chosen from the following

DAA 2200C Ballet I  2 hrs
DAA 2201C Ballet II  2 hrs
DAA 2520C Tap Dance I  2 hrs
DAA 2570C Jazz Dance I  2 hrs
DAA 2571C Jazz Dance II  2 hrs
MUT 1111 Music Theory and Musicanship I  4 hrs
MUT 1122 Music Theory and Musicanship II  4 hrs
THE 2081C Introduction to UCF Theatre  0 hrs
TPA 2248C Techniques  2 hrs

4. Core Requirements: Advanced Level (50 hrs)

- Chosen from the following

THE 3311 Theatre History and Dramatic Literature I  3 hrs
THE 3312 Theatre History and Dramatic Literature II  3 hrs
THE 4244 Musical Theatre History I  3 hrs
THE 4245 Musical Theatre History II  3 hrs
THE 4964 Theatre Exit Critique  0 hrs
TPP 3172C Acting III - Building the Character  3 hrs
TPP 3250 Musical Theatre Acting I  3 hrs
TPP 3252 Musical Theatre Acting II  3 hrs
TPP 3257C Musical Theatre Voice I  2 hrs
TPP 3258C Musical Theatre Voice II  2 hrs
TPP 4140C Acting IV - Creating the Role  3 hrs
TPP 4223C Theatre Careers for Performance  3 hrs
TPP 4252C Musical Theatre Acting III  3 hrs
TPP 4259C Musical Theatre Voice III  2 hrs
1 TPP 4746C Musical Theatre Repertoire  2 hrs
TPP 4923C Musical Theatre Voice IV  2 hrs
TPP 4940L Theatre Internship  6 hrs

Select 1:  2 hrs
- (1 credit course, must be taken twice)
THE 4093L Theatre Participation-Management II  1 hr
TPP 4290L Theatre Participation-Production II or
TPP 4193L Theatre Participation-Performance II  1 hr
1 (2 hr class must be taken twice)

Movement Electives  2 hrs
- Any DAA or DAN courses not already required, taught by
the department, and with departmental approval.

Select 1:  2 hrs
TPP 4512C Stage Combat or
TPP 4531C Period Movement

5. Restricted Electives (1 hr)

- Chosen from the following
DAA 2100C Modern Dance I  2 hrs
DAA 2101C Modern Dance II  2 hrs
DAA 2393C World Dance  2 hrs
DAA 2521C Tap Dance II  2 hrs
DAA 3108C Modern Dance III  2 hrs
DAA 3208C Ballet III  2 hrs
DAA 3524C Tap Dance III  2 hrs
DAA 3612 Dance Improvisation/Composition I  3 hrs
DAA 3645 Choreography Practicum  1 hr
DAA 3684 Dance Performance  1 hr
DAN 3154 Dance History I  3 hrs
THE 2250 Sex, Drugs, & the Rock and Roll Musical  3 hrs
THE 3313 Theatre History and Dramatic Literature III  3 hrs
THE 3383 Taboo Theatre: Sex & Violence on Stage  3 hrs
THE 4093L Theatre Participation-Management II  1 hr
THE 4212 Global Theatre  3 hrs
THE 4230 Cultural Diversity in Theater  3 hrs
THE 4284 Period Costume, Architecture, and Decor I  3 hrs
THE 4285 Period Costume, Architecture, and Decor II  3 hrs
THE 4423 Women in Theatre  3 hrs
THE 4543 Theatre for Social Change  3 hrs
1 THE 5307 Contemporary Theatre Practice  3 hrs
1 TPA 2600 Stage Management Basics  3 hrs
TPA 3195L Summer Theatre StudioTech/Design I  3 hrs
TPA 3197L Summer Theatre StudioTech/Design II  3 hrs
TPA 3601 Stage Management  3 hrs
TPP 4293L Theatre Participation-Production II  1 hr
TPA 4400 Theatre Management  3 hrs
TPP 3952L Summer Studio Performance  3 hrs
TPP 4142C Acting Verse  3 hrs
TPP 4143C Acting Styles  3 hrs
TPP 4193L Theatre Participation-Performance II  1 hr
TPP 4201 Auditioning  3 hrs
TPP 4243C Circus Arts  2 hrs
TPP 4265C Camera Acting  3 hrs
TPP 4269C Acting VII Advanced Acting For TV/Film  3 hrs
1 TPP 4311C Advanced Directing for Theatre  3 hrs
TPP 4512C Stage Combat  2 hrs
TPP 4730C Dialects  2 hrs
TPP 4790C Dialects  2 hrs

8. Electives (variable)

9. Additional Requirements

10. Required Minors

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 resi-
dency 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 resi-
dency at UCF
- A maximum of 45 hours of extension, correspondence,
CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon
Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  129
Honors In Major
- None

Related Programs
- Film
- Music
- Theatre Studies

Certificates
- None

Related Minors
- Dance
- Film - Cinema Studies
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  1. THE 2020  Survey of Theatre for Majors  3 hrs
     may be substituted with:
     THE 2304  Script Analysis  3 hrs
     TPA 2201  Technical Theatre Production  2 hrs
     may be substituted with: TPA 2210
     TPA 2201  Technical Theatre Production  2 hrs
     may be substituted with: TPA 2200
     TPP 3310C  Directing for Theatre I  3 hrs
     may be substituted with: TPP 2300
  1 may use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and may still need to be taken.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Theatre Studies (B.A.)
College of Arts and Humanities
Department of Theatre,
University Tech Center, Room: 180
http://www.theatre.cah.ucf.edu/
E-mail: jwshafer@mail.ucf.edu
John Shafer
Phone: 407-823-2862

The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

UCF Degree Programs

Admission Requirements
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit http://www.theatre.ucf.edu.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from the program.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program. Departmental Residency Requirement consists of at least 30 semester hours of courses taken from the UCF Theatre Department.
- All BA Theatre Studies students must register for three semesters of Theatre Participation in addition to the Technical Theatre Production Lab. One Participation credit must be as part of a run crew. One Participation credit must be as part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.
- All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department web site at www.theatre.ucf.edu.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Required THE 2020  Survey of Theatre for Majors  3 hrs
- Select one course from 1.B.1 list 3 hrs
- Select one course from 1.B.2 list 3 hrs
**UCF Degree Programs**

**C: Mathematical Foundations**

1. Prefer MGF 1106  Finite Mathematics  
   Prefer STA 1060C  Basic Statistics Using Microsoft Excel

1 may substitute a higher level math

**D: Social Foundations**

(6 hrs)

**E: Science Foundations**

(6 hrs)

2. Common Program Prerequisites (CPP)

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

1. THE 2020  Survey of Theatre for Majors  
   3 hrs

THE 2000L  Theatre Participation-Management I  
   1 hr

THE 2304  Script Analysis  
   3 hrs

1. TPA 2201  Technical Theatre Production  
   2 hrs

TPA 2201L  Technical Theatre Production Lab  
   1 hr

TPA 2290L  Theatre Participation-Production I  
   1 hr

1. TPP 2101  Fundamentals of Acting  
   3 hrs

TPP 2700C  Stage Speech/Voice  
   3 hrs

1. TPP 3310C  Directing for Theatre I  
   3 hrs

Theatre Elective (THE, TPP, TPA Prefix)  
   3 hrs

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level

   (0 hrs)

   ■ None

4. Core Requirements: Advanced Level

   (10 hrs)

THE 2081C  Introduction to UCF Theatre  
   0 hrs

THE 3311  Theatre History and Dramatic Literature I  
   3 hrs

THE 3312  Theatre History and Dramatic Literature II  
   3 hrs

THE 3313  Theatre History and Dramatic Literature III  
   3 hrs

THE 4954  Theatre Exit Critique  
   0 hrs

Select 1:

- THE 4093L  Theatre Participation-Management II or  
   Theatre Participation-Production II  
   1 hr

- TPA 4200L  Theatre Participation-Production II or  
   Theatre Participation-Performance II  
   1 hr

5. Restricted Electives

   (16 hrs)

   ■ Select 16 hours from the following:

   - THE 2025  Introduction to Theatrical Design  
     3 hrs

   - THE 2250  Sex, Drugs, & the Rock and Roll Musical  
     3 hrs

   - THE 3082  Musical Theatre Survey  
     3 hrs

   - THE 3240  Taboo Theatre: Sex & Violence on Stage  
     1 hr

   - THE 3303  Theatre Participation-Management II  
     1 hr

   - THE 4232  Global Theatre  
     3 hrs

   - THE 4230  Cultural Diversity in Theatre  
     3 hrs

   - THE 4284  Period Costume, Architecture, and Decor I  
     3 hrs

   - THE 4285  Period Costume, Architecture, and Decor II  
     3 hrs

   - THE 4423  Women in Theatre  
     3 hrs

   - THE 4543  Theatre for Social Change  
     3 hrs

   - THE 4912  Directed Independent Research  
     1 hr

   - THE 5307  Contemporary Theatre Practice  
     3 hrs

   - TPA 2248C  Stage Management Basics  
     3 hrs

   - TPA 3195L  Summer Theatre Studio/Design I  
     3 hrs

   - TPA 3197L  Summer Theatre Studio/Design II  
     3 hrs

   - TPA 3601  Stage Management  
     3 hrs

   - TPA 4200L  Theatre Participation-Production II  
     1 hr

   - TPA 4400  Theatre Management  
     3 hrs

   - TPP 2364C  Acting on Camera  
     3 hrs

   - TPP 3852L  Summer Studio Performance  
     3 hrs

   - TPP 4143C  Acting Styles  
     3 hrs

   - TPP 4193L  Theatre Participation-Performance II  
     1 hr

   - TPP 4243C  Circus Arts  
     2 hrs

   - TPP 4311C  Advanced Directing for Theatre  
     3 hrs

   - TPP 4512C  Stage Combat  
     2 hrs

   Any DAA or DAN courses taught by the theatre department with departmental approval

   Honors in the Major Directed Readings and Thesis (see #1 footnote)  
   3 hrs

1 Other THE, TPA, or TPP courses as approved by the department require 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. Students are free to pursue any minor open to them, but are encouraged to participate in the department’s Associated Minor program which provides additional career/advising support targeted at specific career paths. Please see the departmental handbook for a more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

11. Departmental Exit Requirements

   ■ Earn a grade of “C” (2.0) or better in each Theatre course.

   ■ Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.

   ■ Complete an Exit Survey, and Exit Interview/Audit Check the semester prior to final semester of theatre classes.

   ■ Minimum of 30 theatre credits must be completed in residency at UCF.

   ■ Computer Competency met by the following or Computer Science Course:

   STA 1060C  Basic Statistics Using Microsoft Excel  
   3 hrs

12. University Minimum Exit Requirements

   ■ A 2.0 UCF GPA

   ■ 60 semester hours earned after CLEP awarded

   ■ 48 semester hours of upper division credit completed

   ■ 30 of the last 39 hours of course work must be completed in residency at UCF

   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

   ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

1.20

**Honors in Major**

■ None

**Related Programs**

■ Art

■ Film

■ Music

■ Theatre

**Certificates**

■ None
Related Minors
- Art - Studio
- Dance
- Film - Cinema Studies
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- 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 2304  Script Analysis  3 hrs
   - THE 3305  Technical Theatre Production  2 hrs
   - TPA 2201  Technical Theatre Production  2 hrs
   - TPP 2101  Fundamentals of Acting  3 hrs
   - TPP 3310C  Directing for Theatre I  3 hrs
   may be substituted with:
   - TPA 2210  Technical Theatre Production  2 hrs
   - TPP 2300  Technical Theatre Production  2 hrs

1 may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
2 may use any introductory acting course

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.o eas.ucf.edu/aio/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
MINORS AND CERTIFICATES

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

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

Minors
Accounting
Actuarial Science
Aerospace Studies
African American Studies
Aging Studies
American Studies
Anthropology
Anthropology in Multicultural Studies
Art - Studio
Art History
Asian Studies
Astronomy
Bioengineering
Biology
Business
Chemistry
Coaching
Cognitive Sciences
Communication Sciences and Disorders
Community Arts - PAVE
Computer Science
Criminal Justice
Dance
Digital Media
Early Childhood Development and Education
Economics
Education
Emergency Management and Homeland Security
Energy and Sustainability
Engineering Leadership
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Communication
English - Writing
English Language Arts Education
Entrepreneurship
Environmental Studies
European Studies
Exceptional Education
Film - Cinema Studies
Finance
Fitness Training
French
German
Health Informatics and Information Management
Health Sciences
Health Services Administration
History
Hospitality Management
Humanities
Information Technology
Intelligent Robot Systems
Interdisciplinary Informatics Technology
International and Global Studies
International Business
International Engineering
Interpersonal/Organizational Communication
Italian
Judaic Studies
Latin American Area Studies
Leadership Studies
Legal Studies
Magazine Journalism
Marketing
Mass Communication
Mathematics
Mathematics Education
Medical Anthropology
Medieval and Renaissance Studies
Middle Eastern Studies
Military Science
Molecular Biology and Microbiology
Music
Nonprofit Management/American Humanities National Certification Program
North American Indian Studies
Philosophy
Philosophy, Religion and Popular Culture
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Recreation
Religious Studies
Science Education
Secure Computing and Networks
Social Science Education
Social Sciences - Interdisciplinary
Sociology
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technological Entrepreneurship
Theatre
Urban and Regional Planning
Women’s Studies
World Comparative Studies

Certificates
Aging Studies Certificate
Behavioral Forensics Certificate
Children’s Services Certificate
Crime Analysis and Crime Mapping Certificate
Crime Scene Investigation Certificate
Criminal Profiling Certificate
Cultural Tourism Certificate
Diplomacy Certificate
Educational Studies Certificate
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Judaic Studies Certificate
Language Development and Disorders Certificate
Leadership Studies Certificate
Marketing: e-Marketing Certificate
Marketing: Entertainment Marketing Certificate
Marketing: Healthcare Marketing Certificate
Marketing: Retailing Management Certificate
Marketing: Selling and Sales Management Certificate
Marketing: Services Marketing Certificate
Marketing: Sport Marketing Management Certificate
Military Science Certificate
Nonprofit Management Certificate
Real Estate: Mortgage Brokerage Certificate
Real Estate: Real Estate Appraisal Certificate
Real Estate: Real Estate Brokerage Certificate
Security Management Certificate
Service-Learning Certificate
Substitute Teaching Certificate
Translation and Interpretation Certificate
Victim Advocacy Certificate
Women’s Studies Certificate

Additional UCF Programs
Study Abroad Programs:
Argentina
Australia
Austria
Brazil
Costa Rica
Croatia
Czech Republic
England
France
Germany
Honduras
Ireland
Italy
Japan
Jordan
Poland
Russia
Scotland
Spain
Sweden
Switzerland
The Netherlands
Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting,
Business Administration, Room: 437
http://web.bus.ucf.edu/academics/accounting/
Phone: 407-823-2871

For Business and Non-Business Majors.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
ACG 2021 Principals of Financial Accounting 3 hrs
ACG 2071 Principals of Managerial Accounting 3 hrs

Select 1: 3 hrs
■ May not be counted as an elective if selected as a required course.
ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
or
ACG 3361 Cost Accounting I 3 hrs

Restricted Electives (12 hrs)
Select 4: 12 hrs
■ At least two courses must have either an ACG or TAX prefix.
ACG 3131 Financial Accounting Concepts and Analysis or 3 hrs
ACG 3141 Intermediate Financial Accounting II 3 hrs
ACG 3361 Cost Accounting I or 3 hrs
ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
ACG 4401C Accounting Information Systems 3 hrs
or
ACG 4651 Auditing 3 hrs
FIN 3414 Intermediate Corporate Finance or 3 hrs
FIN 4453 Financial Models or 3 hrs
ISM 3253 MIS Techniques or 4 hrs
ISM 4212C Database Design and Implementation or 4 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Actuarial Science - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Dr. David Nickerson, nickersn@mail.ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

Minor Admission Requirements
■ Students need to complete the prerequisite courses.

Other Requirements
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.
■ Students are expected to have completed some of the following courses as part of their GEP requirement.
ECO 2013 Principles of Macroeconomics 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
STA 2023 Statistical Methods I 3 hrs
STA 2033 Statistical Methods II 3 hrs
STA 2064 Statistical Methods III 3 hrs
STA 4321 Statistical Theory I 3 hrs
STA 4322 Statistical Theory II 3 hrs

Required Courses (25 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
FIN 3403C Business Finance 4 hrs
FIN 3403C Business Finance 4 hrs
STA 2023 Statistical Methods I 3 hrs
STA 2184 Theory of Interest 3 hrs
STA 4184 Introduction to Derivative Markets 3 hrs
STA 4186 Theory of Derivative Pricing 3 hrs
STA 4852 Applied Time Series 3 hrs

Restricted Electives (5 hrs)
■ No additional courses are required.

Foreign Language Requirements
■ No Foreign Language is required.

Total Semester Hours Required
■ 25

Other Requirements
■ No credit by exam (TSD, Military credit) may be used toward the minor.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ Any course substitutions must be approved by the program coordinator in advance of their being taken.
Aerospace Studies - Minor
College of Engineering and Computer Science
Air Force ROTC, ROTC Trailer, Room: 103
Col. Michael J. Chandler
Phone: 407-823-1247

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (16 hrs)
Required Courses
AFR 1110C The Air Force Today I 1 hr
AFR 1111C The Air Force Today II 1 hr
AFR 2130C The Development of Air Power I 1 hr
AFR 2131C The Development of Air Power II 1 hr
AFR 3220C Air Force Leadership and Management I 3 hrs
AFR 3230C Air Force Evaluation and Management II 3 hrs
AFR 4201C National Security Affairs and Prep for Active Duty I 3 hrs
AFR 4210C National Security Affairs and Prep for Active Duty II 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 16

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades less than “C-” (1.75) are not accepted.
■ At least 12 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

African American Studies - Minor
College of Arts and Humanities
Program in African American Studies, Colbourn Hall, Room: 411
http://www.aas.cah.ucf.edu/
JoAnne Stephenson, 407-823-0026

The African American Studies minor is designed to complement a student’s major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
AFA 3104 The Black Intellectual Experience 3 hrs
AMH 3571 Black American History I 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 3102 Black Perspectives: A Multidisciplinary Approach 3 hrs
AFA 3955 Study Abroad in Eastern Caribbean 6 hrs
AFA 4105 Documenting African American Heritage and Life 3 hrs
AFH 3100 African History to 1870 3 hrs
AFH 3200 African History Since 1870 3 hrs
AFH 5806 The Historiography of Slavery in Africa 3 hrs
AMH 3403 History of the South Since 1865 3 hrs
AMH 3572 Black American History II 3 hrs
AML 3614 Topics in African-American Literature 3 hrs
AML 3615 Harlem, Haiti, and Havana 3 hrs
ANT 3319 Anthropology of Diaspora 3 hrs
ANT 3398 Black/ Seminole Relations 3 hrs
ANT 4340 Caribbean Cultures 3 hrs
ARM 3520 African Art 3 hrs
FIL 3831 Black Cinema 3 hrs
INR 3253 International Politics of Africa 3 hrs
LAH 3470 History of the Caribbean 3 hrs
LAS 4023 African Caribbean Experience 3 hrs
LIT 3192 Caribbean Literature 3 hrs
MUL 2016 Evolution of Jazz 3 hrs
POS 4622 Politics and Civil Rights 3 hrs
PUP 3314 Minorities in American Politics 3 hrs
SOP 3724 Psychology of Prejudice 3 hrs
SYD 3700 Race and Ethnicity 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

Aging Studies - Minor
College of Health and Public Affairs
School of Social Work, Health and Public Affairs, Room: 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator
Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The minor may be completed as a fully web-based program.

Minor Admission Requirements
■ None
### Other Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

### Prerequisite Courses
- None

### Required Courses
- **(6 hrs)**
  - GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

### Select One:
- HSA 4941 Internship 3 hrs
- PSY 3951 Undergraduate Field Work 3 hrs
- 1 SOW 4510 Field Education 9 hrs
- 2 SOW 4941 Internship 9 hrs
- SYP 4941 Internship 3 hrs

1 For full-time students
2 For part-time students over two semesters

### Restricted Electives
- **(12 hrs)**
  - Students select FOUR additional courses from the following courses: A maximum of TWO courses in their College must be taken and at least TWO courses must be outside their College.

### College of Health and Public Affairs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSA 4220 Long Term Patient Management 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 3740 Social Work Practice with Loss & Life's Transitions 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### American Studies - Minor

#### College of Arts and Humanities
#### CAH Dean's Office, Room: 190
http://www.cah.ucf.edu
Lyman Brodie, lbrodie@mail.ucf.edu, 407-823-2251
Phone: 407-823-2251

#### Minor Admission Requirements
- None

#### Other Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses
- **(9 hrs)**
  - Literature and Humanities
    - Select 1:
      - AML 3031 American Literature I or 3 hrs
      - AML 3682 Ethnic Literature in America or 3 hrs
      - AML 4101 American Novel or 3 hrs
      - AML 4261 Literature of the South 3 hrs
  - Social Sciences
    - Select 1:
      - POS 3413 The American Presidency or 3 hrs
      - POT 3204 American Political Thought or 3 hrs
      - SVD 3700 Race and Ethnicity or 3 hrs
      - SYP 3630 Popular Culture In Society 3 hrs
  - History
    - Select 1:
      - AMH 3561 Women in American History I or 3 hrs
      - AMH 4110 Colonial America, 1607-1763 or 3 hrs
      - AMH 4130 The Age of the American Revolution, 1763-1789 or 3 hrs
      - AMH 4311 American Culture I or 3 hrs
      - AMH 4313 American Culture II 3 hrs
  - Restricted Electives
    - **(12 hrs)**
      - 12 additional upper level hours. Select courses not already used from lists above.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 21

### Other Requirements
- Students must earn at least a "C" (2.0) in each course used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 9 hours may be taken in one area.

### Anthropology - Minor

#### College of Sciences
#### Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

#### Minor Admission Requirements
- The minor is not open to Anthropology majors.

#### Other Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.
Minors

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
<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>
</tbody>
</table>

Restricted Electives (15 hrs)

A. Concentration in General Anthropology (15 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 2:
Select two upper level (3000-5000) courses in Anthropology 6 hrs

B. Concentration in Archaeology (15 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human Culture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 4:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANG 5166</td>
<td>Problems in Maya Studies or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5167</td>
<td>Maya Hieroglyphs or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5228</td>
<td>Maya Iconography or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5822</td>
<td>Maya Field Research or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3106</td>
<td>Archaeology and Popular Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3115</td>
<td>Archaeological Method and Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3142</td>
<td>Old World Prehistory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3148</td>
<td>Life and Death in Ancient Egypt or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3152</td>
<td>Indians of the Southwest or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3158</td>
<td>Florida Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3160</td>
<td>Americas Before Columbus or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3161</td>
<td>Archaeology of Mexico or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3163</td>
<td>Mesoamerican Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3165</td>
<td>Archaeology of South America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3168</td>
<td>Maya Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3173</td>
<td>Archaeology of Sex or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3177</td>
<td>Archaeology of Caribbean Piracy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4144</td>
<td>Prehistory of North America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4153</td>
<td>North American Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4180C</td>
<td>Seminar in Laboratory Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4183</td>
<td>Archaeological Sciences or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4184</td>
<td>Mortuary Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4824</td>
<td>Advanced Archaeological Fieldwork</td>
<td>9 hrs</td>
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</table>

C. Concentration in Physical Anthropology (15 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 4:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANG 5142</td>
<td>Problems in Forensic Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3550</td>
<td>Primatology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4184</td>
<td>Mortuary Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4462</td>
<td>Medical Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4467</td>
<td>Nutritional Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4516</td>
<td>Human Biological Diversity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4521C</td>
<td>Forensic Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4525C</td>
<td>Human Osteology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ANT 4528C</td>
<td>Advanced Forensic Anthropology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ANT 4586</td>
<td>Human Origins</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

D. Concentration in Cultural Anthropology (15 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 4:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANG 5167</td>
<td>Maya Hieroglyphs or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5228</td>
<td>Maya Iconography or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5622</td>
<td>Language, Culture and Pedagogy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3152</td>
<td>Indians of the Southwest or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples of the World or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3241</td>
<td>Magic, Ritual, and Belief or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3252</td>
<td>Rural Society or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3273</td>
<td>Law and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>Indians of the Southeastern United States or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>Ethnology of North American Indians or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3313</td>
<td>Indians of North America High Plains or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3314</td>
<td>Indians of the Northeast Woodlands or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3318</td>
<td>Indians of the Northwest Coast or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3319</td>
<td>Anthropology of Diaspora or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3353</td>
<td>Anthropology of Japan or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3398</td>
<td>Black/Seminole Relations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 3610</td>
<td>Language and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3701</td>
<td>Applied Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4034</td>
<td>History of Anthropological Thought or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4266</td>
<td>Economic Anthropology: Production,</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Consumption, and Exchange or</td>
<td></td>
</tr>
<tr>
<td>1 ANT 4303</td>
<td>Anthropology of Tourism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4308</td>
<td>Gender Issues in Latin America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4332</td>
<td>People and Cultures of Latin America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4340</td>
<td>Caribbean Cultures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4352</td>
<td>African Societies and Cultures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4354</td>
<td>Postcolonial Africa or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4408</td>
<td>Culture, Disease, and Healing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4702</td>
<td>Culture: Power and Development or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4802</td>
<td>Ethnographic Field Methods</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 or its graduate equivalent.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Anthropology in Multicultural Studies - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

This minor develops a student’s understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

Minor Admission Requirements
- None

Other Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.
Prerequisite Courses
Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
Select 1: 3 hrs
ANT 2000  General Anthropology or
ANT 2410  Cultural Anthropology  3 hrs

Restricted Electives (15 hrs)
Select five of the following. Substitutions require prior consent of the Anthropology Coordinator.
ANT 3164  Ancient Incas  3 hrs
ANT 3212  Peoples of the World  3 hrs
ANT 3241  Magic, Ritual, and Belief  3 hrs
ANT 3302  Sex, Gender and Culture  3 hrs
ANT 3319  Anthropology of Diaspora  3 hrs
ANT 3398  Black/Seminole Relations  3 hrs
ANT 3541  Biobehavioral Anthropology  3 hrs
1 ANT 3610  Language and Culture  3 hrs
ANT 3701  Applied Anthropology  3 hrs
ANT 4266  Economic Anthropology: Production, Consumption, and Exchange
1 or its graduate equivalent.

Foreign Language Requirements
None

Total Semester Hours Required
18

Other Requirements
No credit by exam (TSD, Military credit) may be used.
Not open to Anthropology majors.

Art History - Minor
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu/
Ms. Donna Mercado, 407-823-1708

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements
None

Other Requirements
None

Prerequisite Courses
None

Required Courses (18 hrs)
ARH 2050  History of Western Art I  3 hrs
ARH 2051  History of Western Art II  3 hrs
ARH 4210  Italian Renaissance Art  3 hrs
ARH 4430  19th Century Art  3 hrs
ARH 4450  20th Century Art  3 hrs

Non-Western Course Requirement 3 hrs
Select 1: 3 hrs
ARH 3520  African Art
OR
ARH 4540  Art of India
OR
ARH 4653  Meso American Art

Restricted Electives (9 hrs)
ART 4200  Medieval Art  3 hrs
ART 4350  Baroque Art  3 hrs
ART 4800  Theory and Criticism of the Visual Arts  3 hrs
ART 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
Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses

- HUM 3401 Asian Humanities 3 hrs

Restricted Electives

- Approved courses (see department for listing) 18 hrs

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, kassab@mail.ucf.edu, 407-823-5778
Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Professional Advisement or the Pre-Health Professions Advisement office. The minor constitutes up to: (a) for the engineering track 21 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 17 hours of coursework over the requirements for a bachelor of science degree in computer science at UCF.

Minor Admission Requirements

- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school un-weighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@mail.ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Other Requirements

- None
### Biology - Minor

#### College of Sciences

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

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

**E-mail:** biology@ucf.edu

Mr. Frank Logiudice

Phone: 407-823-2141

#### Minor Admission Requirements

- The minor is not open to Biology or Biology Preprofessional majors.

#### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Biology.

#### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

#### Required Courses (35 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 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>EGN 4941</td>
<td>Internship</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>PHY 2049C</td>
<td>Physics for Engineers &amp; Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (6 hrs)

- Students will select either the Engineering Track or Computer Science Track to define their elective choices.

##### Engineering Track

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEE 5272</td>
<td>Biomedical Sensors or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EES 4111C</td>
<td>Biological Process Control or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 5248C</td>
<td>Ergonomics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EMA 5584</td>
<td>Biomaterials or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 5760</td>
<td>Biomechanics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

##### Computer Science Track

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 5418</td>
<td>Tissue Engineering or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 5512</td>
<td>Evolutionary Computation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>Neurobiology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Total Semester Hours Required

- 41

#### Other Requirements

- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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### Business - Minor

#### College of Business Administration

**Department of Management, Business Administration II, Room: 101**

Undergraduate Student Services, 407-823-2184

Minor for Non-Business Majors

#### Minor Admission Requirements

- None

#### Other Requirements

- None

#### Prerequisite Courses

- None
Minors

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<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>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives

- None

Chemistry - Minor

College of Sciences

Department of Chemistry, Chemistry, Room: 117
http://www.cos.ucf.edu/chemistry
E-mail: chemistry@ucf.edu
Dr. Pedro Patino, ppatino@mail.ucf.edu

Minor Admission Requirements

- The minor is not open to Chemistry majors.

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for 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.
- 30 of the last 39 hours of course work must be completed in residency at UCF.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040C</td>
<td>Chemistry Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2041C</td>
<td>Chemistry Fundamentals IB</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2042C</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2043C</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

NOTE: These courses are considered to be equivalents:

- CHM 2040C Chemistry Fundamentals I is 3 hrs
- CHM 2041C Chemistry Fundamentals IB is 3 hrs

Restricted Electives

- 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4103L</td>
<td>Biochemical Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3411L</td>
<td>Physical Chemistry Laboratory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4130</td>
<td>Advanced Analytical Laboratory Technique</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5451C</td>
<td>Techniques in Polymer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3530C</td>
<td>Forensic Analysis of Controlled Substances</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Group II:

- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3422 Applied Physical Chemistry 3 hrs
- CHM 4220 Organic Chemistry III 3 hrs
- CHM 5225 Advanced Organic Chemistry 3 hrs
- CHM 5235 Applied Molecular Spectroscopy 3 hrs
- CHM 5450 Polymer Chemistry 3 hrs
- CHS 4200 Concepts in Industrial Chemistry 3 hrs
- CHS 4615 Environmental Chemistry 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 24

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Coaching - Minor

College of Education

Department of Child, Family and Community Sciences,
Education Building, Room: 209
Debby Mitchell, ED 320H, mitchell@mail.ucf.edu
Phone: 407-823-6598

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses

- None

Required Courses (15 hrs)

1. Select 1: 3 hrs

- PEO 2024 Coaching Basketball or 3 hrs
- PEO 3324 Coaching Volleyball or 3 hrs
- PEO 3644 Coaching Football 3 hrs

1. If the student has completed this course at a community college, it can be transferred into the program.

Other Requirements

- None

Total Semester Hours Required

- 28
Cognitive Sciences - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: philosophy@mail.ucf.edu
Jennifer Mundale, 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive science, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements
□ None

Other Requirements
□ An overall GPA of 2.0 is required to satisfy the minor.
□ No grades below "C-" (1.75) and no "S" grades will be accepted.
□ At least 12 hours used in the minor must be earned at UCF.
□ No TSD or Military credit may be used.
□ Internship of Independent Study credit cannot be used towards the minor.

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSB 3002</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSB 4240C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSB 4422</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3320</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3323</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3451</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4400</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4935</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3204C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EXP 3604</td>
<td>3 hrs</td>
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<tr>
<td>EXP 4507C</td>
<td>3 hrs</td>
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Restricted Electives (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>CAP 4453</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 4630</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3531</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHI 4221</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3703</td>
<td>3 hrs</td>
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Language and Linguistics (3 hrs)

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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ANT 3610</td>
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</tr>
<tr>
<td>LIN 3010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3717</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4221</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3703</td>
<td>3 hrs</td>
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</table>

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSB 3002</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSB 4240C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSB 4422</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3320</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3323</td>
<td>3 hrs</td>
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<tr>
<td>PHI 3451</td>
<td>3 hrs</td>
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<tr>
<td>PHI 4400</td>
<td>3 hrs</td>
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<tr>
<td>PHI 4935</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3204C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EXP 3604</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 4507C</td>
<td>3 hrs</td>
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</table>

Science and Information Technology (3 hrs)

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAP 4453</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 4630</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3531</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Other Requirements
□ A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
□ 18 hours must be taken at the upper division.
□ No more than 12 credit hours may be used both toward credit for a major and the cognitive sciences minor.
□ At least 15 hours used in the minor must be earned at UCF.
□ No credit by exam (TSD, Military credit) may be used.
□ Internship, Co-op, or Independent Study require prior approval from the advisors to be used toward the minor.

Foreign Language Requirements
□ None

Total Semester Hours Required
□ 21
Minors

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (24 hrs)
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- SPA 3112L Basic Phonetics Lab 1 hr
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- SPA 4032 Audiology 3 hrs
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used toward the minor.

Computer Science - Minor
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-2787

Minor Admission Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- CDA 3103 Computer Logic and Organization 3 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
- Select 1: 3 hrs
- COT 3100C Introduction to Discrete Structures or MAD 2104 Foundations of Discrete Math 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used toward the minor.

Criminal Justice - Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
Mary Ann Eastep, 407-823-2603

Minor Admission Requirements
- None

Other Requirements
- None
Dance - Minor

College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.ucf.edu
Brian Vernon, bvernon@mail.ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful audition - contact department for audition dates.

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.

Prerequisite Courses
- None

Required Courses (6 hrs)
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal System 3 hrs

Restricted Electives (12 hrs)
- Select 2: 6 hrs
  - CJC 3010 Corrections and Penology or 3 hrs
  - CJE 4014 Police and Society or 3 hrs
  - CIL 3510 Prosecution and Adjudication 3 hrs
- and 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
- 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://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Phone: 407-823-6100

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- COP 2500C Concepts in Computer Science 4 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 3138 Digital Imagery 3 hrs
- DIG 3716C Internet Interaction 3 hrs

Restricted Electives (6 hrs)
- Select two courses:
  - COP 2500C Concepts in Computer Science 3 hrs
  - DIG 2000 Introduction to Digital Media 3 hrs
  - DIG 3138 Digital Imagery 3 hrs
  - DIG 3716C Internet Interaction 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a “B” (3.0) or better is required.
- 12 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission.
Minors

Early Childhood Development and Education - Minor

College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.ucf.edu
Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Completion of the CLAS requirement, not alternatives, or completion of an A.A. degree from a Florida public post secondary institution, including completion of the CLAS requirement or alternatives.
- A minimum overall GPA of 2.75.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Other Requirements
- A minimum GPA of 2.75 in all Early Childhood Development and Education courses.
- At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None

Required Courses (18 hrs)
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs

Restricted Electives (3 hrs)
- Choose one:
  - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
  - EXE 4751 Parent Involvement in Education 3 hrs
  - MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
  - RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
  - SCE 4304 Teaching Science and Technology to Young Children 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- None

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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
Dr. Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

(fore both Business Majors and non-Business Majors)

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- ECO 3101 Intermediate Macroeconomics 3 hrs
- ECO 3203 Intermediate Microeconomics 3 hrs

Restricted Electives (9 hrs)
- Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.
- Note: ECO 3401 (or equivalents) is a pre-requisite for the following:
  - ECO 3101 Intermediate Macroeconomics 3 hrs
  - ECO 3203 Intermediate Microeconomics 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.

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Education - Minor

College of Education
Department of Educational Studies, Education Building, Room: 220B
http://education.ucf.edu/
Dr. William Wise, ED 220B, wwise@mail.ucf.edu
Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education a limited but substantial experience
in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education. This minor is available for students in the 2007 catalog year and beyond.

### Minor Admission Requirements
- None

### Other Requirements
- None

### Prerequisite Courses
- None

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>MAE 4634</td>
<td>Programs in Teaching of Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4361</td>
<td>Programs in Teaching Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 4936</td>
<td>Programs in Teaching Social 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.

### Energy and Sustainability - Minor

**College of Engineering and Computer Science Engineering, Room: 107**

**CECS Academic Affairs**

[http://www.cecs.ucf.edu](http://www.cecs.ucf.edu)

Paul Edlen, paule@mail.ucf.edu, 407-823-2455

Participants in this minor will acquire knowledge in technical, economic and policy issues related to sustainable energy generation, conservation, management and utilization. Those completing the minor will be able to improve their understanding, awareness and job skills to have additional opportunities and advantages to pursue a career in the emerging energy sector.

**Minor Admission Requirements**
- A minimum GPA of 2.25 is required for acceptance into this minor degree program.

**Other Requirements**
- None

**Prerequisite Courses**
- None
Minors

Required Courses (12 hrs)

- EGN 4824 Energy and Society 3 hrs
- IDS 3150 Foundations of Environmental Studies 3 hrs
- IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs

Select 1: 3 hrs
- GEB 4152 Technological Entrepreneurship or
- IDS 4949 Cooperative Education 0 hrs

1 Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.

Restricted Electives (6 hrs)

- Select any two elective courses from the following courses:
  - EEL 4216 Fundamentals of Electric Power Systems or 3 hrs
  - EML 4411 Mechanical Power Systems or 3 hrs
  - EML 4454 Turbines for Sustainable Power or 3 hrs
  - EML 4600 HVAC Systems Engineering or 3 hrs
  - EML 4602 Applied HVAC Engineering 3 hrs

Water, Environment and Waste Management 0 hr

- ENV 3001 Introduction to Environmental Engineering or 3 hrs
- ENV 4120 Air Pollution Control or 3 hrs
- ENV 4341 Solid & Hazardous Waste Management or 4 hrs
- ENV 4561 Environmental Engineering - Process Design 4 hrs

Business and Public Policy 0 hr

- ECP 3302 Economics and the Environment or 3 hrs
- ECP 4303 Environmental and Natural Resource Economics or 3 hrs
- REE 3614 Environmental Issues for Real Estate 3 hrs

Social and Ethical Dimensions 0 hr

- INR 4350 Global Environmental Politics or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- PAD 4351 Issues in Environmental Program Management or 3 hrs
- PHI 3640 Environmental Ethics or 3 hrs
- PLA 4554 Environmental Law or 3 hrs
- PUP 3203 Environmental Politics or 3 hrs
- PUP 4209 Urban Environmental Policy or 3 hrs
- SYD 4510 Environment and Society 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum grade of "C" (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete the minor.

Engineering Leadership - Minor

College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu

Mr. Kevin Cooley
Phone: 407-823-2204

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering profession.

Minor Admission Requirements

- A minimum GPA of 3.0 is required for acceptance into this minor degree program

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

- EGN 3613 Engineering Economic Analysis 2 hrs
- EGN 4624 Engineering Administration 3 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- EIN 4191C Engineering Leadership Seminar I 2 hrs
- EIN 4192C Engineering Leadership Seminar II 2 hrs
- Two Engineering Design courses 6 hrs

Restricted Electives (6 hrs)

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Students must have a Grade of “C” (2.0) or better in all courses in the minor.
- Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.

English - Creative Writing - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

Restricted Electives (6 hrs)

- Select one course after completing CRW 3013
- CRW 3120 Fiction Writing Workshop 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- CRW 3310 Poetry Writing Workshop 3 hrs
- CRW 3610 Writing Scripts 3 hrs

Select one course

- CRW 4122 Advanced Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs
Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major. 

**Restricted Upper Division Electives--select three courses**

- CRW 3311 Structure of Verse 3 hrs
- CRW 3950 Cypress Dome Editorship 3 hrs
- CRW 4014 The Writing Life 3 hrs
- CRW 4114 History of Prose Style 3 hrs
- CRW 4722 Editing for Creative Writers 3 hrs
- CRW 4724 The Florida Review 3 hrs
- CRW 6806C Teaching Creative Writing 3 hrs
- ENC 3310 Magazine Writing I 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs
- Any other CRW elective or Special Topics course 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 9 hrs

**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.

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**English - Linguistics - Minor**

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**


**E-mail: english@mail.ucf.edu**

Dr. David Wallace, 407-823-2212

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

- LIN 3010 Principles of Linguistics 3 hrs
- LIN 4015 History of the English Language 3 hrs
- LIN 4680 Modern English Grammar 3 hrs

**Restricted Electives**

- ANT 3610 Language and Culture 3 hrs
- LIN 4643 Cross Cultural Communication 3 hrs
- LIN 4660 Linguistics and Literature 3 hrs
- LIN 4801 Language and Meaning 3 hrs
- LIN 5137 Linguistics 3 hrs
- PHI 4221 Philosophy of Language 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- SPA 3112 Basic Phonetics 3 hrs

Or any course approved by the Linguistics Committee 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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**English - Literature - Minor**

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**


**E-mail: english@mail.ucf.edu**

Dr. David Wallace, 407-823-2212

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

- ENG 3014 Theories and Techniques of Literature Study 3 hrs
- PR for all 4000 level AML, ENG, ENL, and LIT courses

**Restricted Electives**

- English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 21

**Other Requirements**
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

---

**English - Technical Communication - Minor**

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**


**E-mail: english@mail.ucf.edu**

Dr. David Wallace, 407-823-2212

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 4215 Technical Publication and Project Management 3 hrs
- ENC 4218 The Visual in Technical Documentation 3 hrs
- ENC 4280 Technical Writing Style 3 hrs
- ENC 4293 Documentation and the Collaborative Process 3 hrs
- ENC 4294 Documentation and Client-Based Collaboration 3 hrs

**Restricted Electives**

- Students completing the minor may intern with a Central Florida corporation

**Foreign Language Requirements**
- None
Minors

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English Language Arts Education - Minor
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/englished/
Dr. Jeff Kaplan, ED 122B, jkaplan@mail.ucf.edu
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 4360 English Instructional Analysis 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English Language Arts as co-requisites
- At least 12 hours in the minor must be earned at UCF

Entrepreneurship: Business - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

Open to Business Students

Minor Admission Requirements
- None

Other Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Writing - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Any 3000 or 4000 level ENC or CRW classes for which the student has met the prerequisites, including:
  - CRW 3013 Creative Writing for English Majors 3 hrs
  - CRW 3053 Theory & Practice of Creative Writing 3 hrs
  - CRW 3120 Fiction Writing Workshop 3 hrs
  - CRW 3211 Creative Nonfiction Writing 3 hrs
  - CRW 3310 Poetry Writing Workshop 3 hrs
  - CRW 3311 Structure of Verse 3 hrs
  - CRW 3610 Writing Scripts 3 hrs
  - CRW 4122 Advanced Fiction Writing Workshop 3 hrs
  - CRW 4224 Advanced Nonfiction Workshop 3 hrs
  - CRW 4320 Advanced Poetry Writing Workshop 3 hrs
  - CRW 4616 Advanced Scriptwriting Workshop 3 hrs
  - ENC 3241 Writing for the Technical Professional 3 hrs
  - ENC 3250 Professional Writing 3 hrs
  - ENC 3310 Magazine Writing I 3 hrs
  - ENC 3311 Advanced Expository Writing 3 hrs

Please note that students will be allowed to take only two of the following courses: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, or CRW 4616

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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.
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: (3 hrs)
- MAR 3391 Professional Selling or
- MAR 3641 Marketing Intelligence 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

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.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Entrepreneurship: For Non-Business Majors - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://web.bus.ucf.edu/

Non-Business Majors

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses

Required Introductory Courses (11 hrs)
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

Select 1: (3 hrs)
- GEB 3113 How to Start a Business or
- MAN 3301 Management of Human Resources 3 hrs

Required Entrepreneurship Courses (9 hrs)
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs

Select 1:
- 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
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- Note: It is the student’s responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Courses (3 hrs)
- IDS 3150 Foundations of Environmental Studies

Restricted Electives (18 hrs)

Science & Environmental Electives (9 hrs)
- BOT 3152C Local Flora 3 hrs
- BOT 3802 Ethnobotany 3 hrs
- BOT 4156C Florida Wildflowers 4 hrs
- BOT 4303C Plant Kingdom 5 hrs
- BOT 4686C Conservation and Management of Native Plants 4 hrs
- BSC 4312C Marine Biology 4 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- ENV 4341 Solid & Hazardous Waste Management 4 hrs
- HSC 4500 Epidemiology 3 hrs
- OCE 3008 Oceanography 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- PCB 3063 Genetics 3 hrs
- PCB 3304C River Ecology 4 hrs
- PCB 3314 Marine Bio Diversity 3 hrs
- PCB 3444 Florida Aquatic Ecology 4 hrs
- PCB 4303C Physicochemical Limnology 4 hrs
- PCB 4303C Biological Limnology 4 hrs
- PCB 4683 Evolutionary Biology 4 hrs
Minors

Social & Humanities Electives 9 hrs
ECO 4701 Seminar in Global Economic Policy 3 hrs
1 ECP 3302 Economics and the Environment 3 hrs
1 ECP 4303 Environmental and Natural Resource Economics 3 hrs
GEO 2370 Resources Geography 3 hrs
GIS 3043C GIS for Environmental Studies 3 hrs
GIS 4035C Remote Sensing of the Environment 3 hrs
GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
INR 4351 International Environmental Law 3 hrs
PAD 3330 Urban and Regional Planning 3 hrs
PAD 4351 Issues in Environmental Program Management 3 hrs
PHI 3033 Philosophy, Religion, and the Environment 3 hrs
PHI 3640 Environmental Ethics 3 hrs
PHI 4400 Philosophy of Science 3 hrs
PHI 4633 Ethics and Biological Science 3 hrs
PHM 4031 Environmental Philosophy 3 hrs
PLA 4554 Environmental Law 3 hrs
PUP 3203 Environmental Politics 3 hrs
PUP 4204 Sustainability 3 hrs
PUP 4503 Government and Science 3 hrs

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.
18 hours must be taken at the upper division.
At least 15 hours used in the minor must be earned at UCF.
No credit by exam (TSD, Military credit) may be used.
Internship or Independent Study require prior approval from the Interdisciplinary Studies advisers to be used toward the minor.
Internship, Independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisers.

Prerequisite Courses

Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
CPO 4101 Politics of the European Union 3 hrs
LIT 3082 Continental European Fiction Since 1900 3 hrs

Restricted Electives (15 hrs)
Any course substitutions are subject to prior approval by the director.

Literature, Film, and Culture: 3 hrs

Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

Select at least 3 credits from this grouping: 3 hrs
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
FRE 4500 French Civilization and Culture or 3 hrs
FRW 4281 20th Century French Novels 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 3370 Survey of German Literature II 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
MUL 3604 German Song Literature or 1 hr
MUL 3605 French Song Literature or 1 hr
SPW 3101 Survey of Spanish Literature II or 3 hrs
SPW 3370 Spanish Short Story 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 (6 hrs)

Select at least 6 credits from this grouping: 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 3315 History of Modern Spain 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 Intervarue War 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 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

European Studies - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@mail.ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the director of European Studies.

Minor Admission Requirements

None

Other Requirements

A grade of "C" (2.0) or better is required for all courses counting toward the minor.
A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
At least 18 hours 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.
Minors

Exceptional Education - Minor

College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://www.education.ucf.edu
Linda Alexander, lalexand@mail.ucf.edu, 407-823-2598
Phone: 407-823-5445

The Exceptional Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor is not intended for students enrolled in the College of Education and does not lead to teacher certification nor admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student’s major program.

Minor Admission Requirements

Prerequisite Courses

Required Courses

Total Semester Hours Required

Other Requirements

foreign Language Requirements

Film - Cinema Studies - Minor

College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu/
E-mail: film@mail.ucf.edu
Mr. S. Schlow, 407-823-2845
Phone: 407-823-4285

Minor Admission Requirements

Other Requirements

Prerequisite Courses

Required Courses

Total Semester Hours Required

Other Requirements
Minors

Restricted Electives (6 hrs)
- Choose Two
  - FIL 3051 Avant-Garde Cinema 3 hrs
  - FIL 3393C Film Documentary 3 hrs
  - FIL 3820 Italian Film 3 hrs
  - FIL 3822 French Film 3 hrs
  - FIL 3823 German Film 3 hrs
  - FIL 3824 Italian Neo-Realist Cinema 3 hrs
  - FIL 3826 American Cinema 3 hrs
  - FIL 3831 Black Cinema 3 hrs
  - FIL 3841 French New Wave Cinema 3 hrs
  - FIL 3845 World Cinema Traditions 3 hrs
  - FIL 3847 Latin American Cinema 3 hrs
  - FIL 3871 The American Film Artist 3 hrs
  - FIL 3890C Images of Women in Film 3 hrs
  - FIL 4647 Film Production Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.

Finance - Minor

College of Business Administration
Department of Finance, Business Administration I, Room: 409
Students seeking advising must go to BA 2 room 101. http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses (6 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Required Courses (10 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3303 Financial Markets 3 hrs
- FIN 3403C Business Finance 4 hrs

Restricted Electives (9 hrs)
- Select 3:
  - FIN 3414 Intermediate Corporate Finance or 9 hrs
  - FIN 3461 Financial Statement Analysis or
  - FIN 3504 Business Valuation Analysis or
  - FIN 3504 Investment Analysis or
  - FIN 4324 Commercial Bank Management or
  - FIN 4453 Financial Models or
  - FIN 4514 Portfolio Analysis and Management or
  - FIN 4533 Financial Derivatives or
  - FIN 4604 International Financial Management or

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 the above listed required or elective courses can count toward another major or minor degree program.

Fitness Training - Minor

College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
Anna Valdes, ED 320 H, asarmien@mail.ucf.edu
Phone: 352-536-2141

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to receive certification from The American Council on Exercise. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- PET 4083 Personal Training Methods 3 hrs
- PET 4312 Biomechanics 3 hrs
- PET 4550 Fitness Assessment 3 hrs
- ZOO 3736C Exercise Physiology Anatomy 4 hrs
- ZOO 3736C Exercise Physiology Anatomy 4 hrs

1 This course should be taken prior to PET 4312, PET 4550, and PET 4083. If the student has completed the Human Anatomy requirement at another school, it can be substituted with this course.

Restricted Electives (6 hrs)
- Select 2:
  - PET 3361 Nutrition for Sport and Fitness or 6 hrs
  - PET 3768 Group Exercise Instruction or
  - PET 3771 Strength and Conditioning Concepts or
  - PET 4215 Motivational Aspects of Athletic Performance or
  - PET 4351C Applied Exercise and Human Physiology 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19
Other Requirements
- No grades below “C-” (1.75) and no “S” grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

German - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Health Informatics and Information Management - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Alice Noblin, anoblin@mail.ucf.edu, 407-823-2353

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (20 hrs)
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HIM 4226C Coding Procedures I 5 hrs
- HIM 4256C Coding Procedures II 3 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- A minimum overall GPA of 2.5 is required. A minimum grade of “C” (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.
Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions,
Health and Public Affairs II, Room: 212
L. Timothy Worrell, 407-823-2214

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ (9 hrs)
  HSA 3111  U.S. Health Care Systems  3 hrs
  HSC 3110  Medical Self Assessment  3 hrs
  HUN 2002  Modern Concepts in Nutrition  3 hrs

Restricted Electives
■ (9 hrs)
  9 additional hours of upper division courses in the
  Department of Health Professions or the Department of Health
  Management and Informatics.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Majors may not count courses presently required in a
  department program
■ A minimum GPA of 2.5 is required in all coursework, and a
  minimum grade of "C" (2.0) is required in all Health Professions
  courses.
■ At least 15 hours used in the minor must be earned at UCF
  within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used
  toward the minor.

Health Services Administration - Minor
College of Health and Public Affairs
Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210
E-mail: hsaInfo@mail.ucf.edu
Dr. Kendall Cortelyou-Ward, 407-823-2359

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ (15 hrs)
  HSA 3111  U.S. Health Care Systems  3 hrs
  HSA 4180  Organization & Management for Health
    Agencies I  3 hrs
  HSA 4191  Health Care Automation  3 hrs
  HSC 4201  Community Health  3 hrs
  HSC 4500  Epidemiology  3 hrs

Restricted Upper Division Electives
■ (3 hrs)

Restricted Electives
■ (3 hrs)
  Additional prerequisite courses may be required

Select 1:
  HIM 4508C  Quality Management or  3 hrs
  HSA 4109  Principles of Managed Care or  3 hrs
  HSA 4702  Health Sciences Research Methods or  3 hrs
  HSC 4652  Health Law and Ethics  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of "C-" (1.75) or better is required in all courses
  used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF
  within the department.
■ No credit by exam (TSD, Military credit) may be used with-
  out academic advisor’s approval.
■ Internship, Co-op, or Independent Study credit cannot be
  used toward the minor without departmental approval.

History - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/
E-mail: history@mail.ucf.edu
Dr. Rosalind J. Belier, 407-823-2225

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ (15 hrs)

Restricted Upper Division Electives
■ (3 hrs)

Restricted Electives
■ (3 hrs)
  Any course taught within the History Department

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 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
E-mail: hospitality@mail.ucf.edu
Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Minor Admission Requirements
■ None

Other Requirements
■ None
### Minors

#### Humanities - Minor

**College of Arts and Humanities**

**Department of Philosophy, Psychology Building, Room: 220**

[http://www.philosophy.cah.ucf.edu](http://www.philosophy.cah.ucf.edu)

**E-mail: philosophy@mail.ucf.edu**

Ms. Ann Maukonen, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

**Minor Admission Requirements**

- None

**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.

**Total Semester Hours Required**

- 21

---

#### Prerequisite Courses

- None

#### Required Courses

<table>
<thead>
<tr>
<th>Take all of the following: (18 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000 Introduction to the Hospitality and Tourism Industry and Management</td>
</tr>
<tr>
<td>HFT 3540 Guest Services Management I</td>
</tr>
<tr>
<td><strong>Select 2:</strong></td>
</tr>
<tr>
<td>HFT 2220 Hospitality Human Resources Management or Hospitality and Tourism Marketing</td>
</tr>
<tr>
<td>HFT 2401 Hospitality Industry Financial Accounting or Hospitality Industry Management</td>
</tr>
<tr>
<td>HFT 2500 Hospitality and Tourism Marketing or Hospitality Industry Management</td>
</tr>
<tr>
<td>HFT 3431 Hospitality Industry Managerial Accounting or Hospitality Information Systems</td>
</tr>
<tr>
<td>HFT 3444 Hospitality Information Systems or Legal Environment in the Hospitality and Tourism Industry</td>
</tr>
<tr>
<td>HFT 4286 Hospitality Communications or Hospitality Industry Finance</td>
</tr>
<tr>
<td>HFT 4464 Hospitality Industry Finance</td>
</tr>
<tr>
<td><strong>Select 2:</strong></td>
</tr>
<tr>
<td>FSS 2221C Techniques of Food Preparation or Lodging Operations</td>
</tr>
<tr>
<td>HFT 2254 Lodging Operations or Event Industry</td>
</tr>
<tr>
<td>HFT 2750 The Event Industry or Restaurant Management</td>
</tr>
<tr>
<td>HFT 3263 Restaurant Management or Tourism Management</td>
</tr>
<tr>
<td>HFT 3273 Principles of Resort Timesharing or Cultural Tourism Management</td>
</tr>
<tr>
<td>HFT 3700 Tourism Management or Legal Environment in the Hospitality and Tourism Industry</td>
</tr>
<tr>
<td>HFT 4277 Yacht, Country, and City Club Management or Theme Park and Attraction Management</td>
</tr>
</tbody>
</table>

#### Restricted Electives

- None

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

---

#### Other Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

<table>
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<tr>
<th>Humanities Foundations (6 hrs)</th>
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<td>Select 2:</td>
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<tr>
<td>HUM 3252 Contemporary Humanities or HUM 3255 Modern Humanities</td>
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<td><strong>Select 2:</strong></td>
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<tr>
<td>ANT 3245 Native American Religions or HUM 3401 Asian Humanities</td>
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<td>HUM 3417 Hindu Thought and Culture or HUM 3419 Islamic Thought and Culture</td>
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<td>HUM 3552 Christian Thought or HUM 3553 Islam</td>
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<tr>
<td>JST 3401 The Jewish People I or PHI 3701 Native American Philosophy</td>
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<td><strong>Restricted Electives (3 hrs)</strong></td>
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<tr>
<td>Select one additional course from the following:</td>
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<td>CLT 3378 Comparative Mythology or HUM 3320 Contemporary Multicultural Studies</td>
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<tr>
<td>HUM 4301 The Classical Ideal or HUM 4303 The Spiritual Ideal</td>
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<tr>
<td>PHI 3700 Philosophy of Religion or PHI 3800 Aesthetics</td>
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<tr>
<td>PHI 4804 Critical Theory</td>
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#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 21

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#### Other Requirements

- None

#### Prerequisite Courses

- None

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#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 21

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#### Other Requirements

- None

#### Prerequisite Courses

- None

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#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 21

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#### Other Requirements

- None

#### Prerequisite Courses

- None

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#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 21

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#### Other Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

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</tbody>
</table>

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 21

---

#### Other Requirements

- None
### Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor

**College of Engineering and Computer Science**  
Engineering, Room: 307  
[http://www.cecs.ucf.edu](http://www.cecs.ucf.edu)

Mr. Paul Edlen, paule@mail.ucf.edu, 407-823-2455

**Minor Admission Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
(9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EGN 3060C Introduction to Robotics</td>
<td>3</td>
</tr>
<tr>
<td>Option 2</td>
<td>6</td>
</tr>
<tr>
<td>CAP 4453 Robot Vision</td>
<td>3</td>
</tr>
<tr>
<td>CAP 4630 Artificial Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3657 Linear Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>EML 3262 Kinematics of Mechanisms</td>
<td>3</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>3</td>
</tr>
</tbody>
</table>

**Restricted Electives**  
(9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option 3</td>
<td>3</td>
</tr>
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</table>

**College Electives**  
Options 1 and 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EML 4804C Digital Control in Mechatronics</td>
<td>3</td>
</tr>
<tr>
<td>EML 5290 Introduction to MEMS and Micromachining</td>
<td>3</td>
</tr>
<tr>
<td>EML 5311 System Control</td>
<td>3</td>
</tr>
</tbody>
</table>

**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 its equivalent) is required for the minor.
  - COP 3223 Introduction to Programming with C  
  - EGN 3211 Engineering Analysis and Computation  
- 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  
  - EGN 4413C Interdisciplinary Design II
Interdisciplinary Informatics Technology - Minor
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu/I2Tech/
Dr. Mark Llewellyn, markl@cs.ucf.edu

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
Required Courses
CGS 3175 Internet Applications 6 hrs
Select 1: 3 hrs
CGS 1060C Introduction to Computer Science
CGS 2100C Computer Fundamentals for Business
COP 3502C Computer Science I
Healthcare Informatics Concentration
HIM 3006 Foundations of Health Information Management (HIM) 9 hrs
HSB 4191 Health Care Automation 3 hrs
Select 1: 3 hrs
CGS 4144 Introduction to Informatics
CIS 3003 Fundamentals of Information Technology 3 hrs
Technical Elective
Students should consult with the program coordinator for a list of the approved technical electives.

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum cumulative GPA of 2.5 is required in the minor/certification.
■ Pre-requisites to the minor include basic computer skills.
■ No credit by exam (TSD, Military credit) may be used.

International and Global Studies - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall,
Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Waltraud Morales
Phone: 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Minor Admission Requirements
■ Double major/dual degree policy in Political Science programs and minors:
  1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
  2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted in the minor.
■ At least nine hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
GEO 3471 World Political Geography 3 hrs
IDS 4315 Global Perspectives 3 hrs

Restricted Electives (15 hrs)
A. Restricted Political Science Electives: 6 hrs
Select courses from this grouping: 6 hrs
INR 4011 Politics of Globalization or
INR 4030 Diplomacy or
INR 4035 International Political Economy or
INR 4054 Global Politics of Energy or
INR 4074 Immigration Policy or
INR 4075 Human Rights Policy or
INR 4076 Global Drug Policy or
INR 4350 Global Environmental Politics or
INR 4502 International Organizations or
INR 4503 International Relations Theory or
INR 4714 Politics of International Trade Policy 3 hrs

B. Restricted Area Studies Electives: 6 hrs
Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies
■ Courses may not have a prefix of INR, CPO, POT, POS or PUB.

C. Restricted Electives: 3 hrs
Substitutions require prior approval by the program advisor.

Select one course from this grouping: 3 hrs
CPO 3103 Comparative Politics or
CPO 4062 Comparative Judicial Process or
CPO 4074 Political Economy or
CPO 4445 Comparative Political Parties or
CPO 4710 Women in Comparative Politics or
CPO 4754 Comparative Political Institutions or
CPO 4784 Political and Economic Inequality in
Comparative Perspective or
DSC 4012 Terrorism or
EHU 3651 War and Society or
MMC 4300 International Media or
SYP 4454 Global Inequality and Society or
THE 3312 Theatre History and Dramatic Literature II or
Three one credit Foreign Language across the Curriculum (FLAC) courses

Foreign Language Requirements
■ Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
International Business - Minor
College of Business Administration
Department of Finance, Business Administration I,
Room: 409
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements
■ None

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

International Engineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, gonzalez@mail.ucf.edu, 407-823-5027

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
■ Admission by interview with the Program Director

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
PIN 4604 International Financial Management 3 hrs
MAN 4600 International Management 3 hrs
MAR 4156 International Marketing 3 hrs
Select 1:
ECO 3703 International Microeconomics or 3 hrs
ECO 4713 International Macroeconomics 3 hrs

Restricted Electives (6 hrs)
ECO 3703 International Microeconomics 3 hrs
ECO 4701 Seminar in Global Economic Policy 3 hrs
ECO 4713 International Macroeconomics 3 hrs
ECS 4013 Development Economics 3 hrs
GEO 3471 World Political Geography 3 hrs
INR 4035 International Political Economy 3 hrs
INR 4224 Contemporary International Politics of Asia 3 hrs
INR 4243 International Politics of Latin America 3 hrs
INR 4401 International Law I 3 hrs
MAR 4174 Strategic Foundations in Global E-Business 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18
Option 2) If this is not possible, then the minor coordinator will select EGN 3940 - Practicum as an acceptable alternative. In this alternative, the student will be paired with a CECS faculty member of the same culture of the country or region where the student seeks to go. The faculty member will assign the student a semester-long project that will entail a technical aspect as well as a cultural aspect.

Option 3) If such a mapping cannot be made, 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 have the option to either:
  - (1) complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad, or
  - (2) complete 6 hours of technical coursework in residence (classroom studies) at a partner institution abroad, plus one semester (3 hours) as an engineering or technology intern abroad in a career-related position with a company in the same country or region.
- Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student's home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

### Interpersonal/Organizational Communication - Minor

**College of Arts and Humanities**

**Department of Modern Languages and Literatures,**

Colbourn Hall, Room: 523

[http://mll.cah.ucf.edu](http://mll.cah.ucf.edu)

E-mail: forlang@mail.ucf.edu

Dr. Paul Giordano, 407-823-2472

**Minor Admission Requirements**

- None

**Other Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3011C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3100</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3110</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3310</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 3301</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 3301</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- None

### Total Semester Hours Required

- 21

### Other Requirements

- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Communication
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.

**Italian - Minor**

**College of Arts and Humanities**

**Department of Modern Languages and Literatures,**

Colbourn Hall, Room: 523

[http://mll.cah.ucf.edu](http://mll.cah.ucf.edu)

E-mail: forlang@mail.ucf.edu

Dr. Paul Giordano, 407-823-2472

**Minor Admission Requirements**

- None

**Other Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- None

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 3301</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- None

### Total Semester Hours Required

- 18
Judaic Studies - Minor
College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu/
E-mail: judaicst@mail.ucf.edu
Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies and Women’s Studies programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For certificate requirements, refer to the section on Judaic Studies Certificate.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
(8 hrs)
HBR 1120  Elementary Modern Hebrew Language and Culture I  4 hrs
HBR 1121  Elementary Modern Hebrew Language and Culture II  4 hrs

Restricted Electives
(18 hrs)

Jewish History
JST 3401  The Jewish People I  3 hrs
JST 3402  The Jewish People II  3 hrs
JST 3415  American Jewish History  3 hrs
JST 3481  20th Century Jewish History and Thought  3 hrs
JST 3550  Introduction to Modernism into Judaism  3 hrs
JST 3701  History of the Holocaust  3 hrs

Bible
JST 3120  Hebrew Scriptures  3 hrs
JST 3125  The Book of Job  3 hrs
JST 3126  Romantic Love in the Bible  3 hrs
JST 3144  Dead Sea Scrolls  3 hrs
JST 3190  The Biblical Prophets  3 hrs

Literature
JST 3100  The Hebrew Creative Mind  3 hrs
JST 3312  Identity and Genre  3 hrs
JST 3751  Literature of the Holocaust  3 hrs

Culture
JST 3450  Modern Jewish Experience  3 hrs
JST 3810  The Jewish National Movement and Roots of Zionism  3 hrs
JST 3820  Modern Hebrew Culture  3 hrs

Latin American Area Studies - Minor
College of Arts and Humanities
Colbourn Hall, Room: 406E & 406F
Dr. Jose Maunez-Cuadra, jmaunez@mail.ucf.edu, 407-823-1173
Phone: 407-823-1174

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Minor Admission Requirements
■ Admission by interview with the Program Director.

Other Requirements
■ Successful completion of the following courses, or demonstration of proficiency.
SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs
SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs

Prerequisite Courses
■ None

Required Courses
■ None

Restricted Electives
(18 hrs)

Anthropology
ANT 3154  Ancient Incas  3 hrs
ANT 3158  Maya Archaeology  3 hrs
ANT 4308  Gender Issues in Latin America  3 hrs
ANT 4332  People and Cultures of Latin America  3 hrs
ANT 4340  Caribbean Cultures  3 hrs
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

**Required Courses** (19 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDR 2001</td>
<td>Foundations of Leadership</td>
<td>4 hrs</td>
</tr>
<tr>
<td>LDR 2002</td>
<td>Intermediate Foundations of Leadership</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

**Foundation Requirement**
- PR: LDR 2001

**Restricted Requirements** (15 hrs)

- Choose one course from each of the five areas:
  - **Communication**
    - COM 3011C  Communication and Human Relations 3 hrs
    - COM 3120  Organizational Communication 3 hrs
    - COM 4461  Intercultural Communication 3 hrs
    - COM 4462  Conflict Management 3 hrs
    - ENC 3250  Professional Writing 3 hrs
    - SPC 3445  Leadership Through Oral Communication 3 hrs
  - **Collaboration**
    - INP 3004  Industrial/Organizational Psychology 3 hrs
    - INP 4313  Organizational Psychology 3 hrs
    - MAN 3025  Management of Organizations 3 hrs
    - MAN 4240  Organizations: Theory and Behavior 3 hrs
    - SPC 4426  Group Dynamics 3 hrs
  - **Social Relations and Culture**
    - ANT 3541  Biobehavioral Anthropology 3 hrs
    - CLP 3143  Abnormal Psychology 3 hrs
    - COM 4461  Intercultural Communication 3 hrs
    - EXP 3304  Motivation 3 hrs
    - SOP 3004  Social Psychology 3 hrs
    - SOP 3723  Cross Cultural Psychology 3 hrs
    - SOP 3742  Psychology of Women 3 hrs
    - SOP 3784  Psychology of Diversity 3 hrs
  - **Politics**
    - PAD 3003  Public Administration in American Society 3 hrs
    - PAD 4104  Administrative Theory 3 hrs
    - PAD 4144  Non-Profit Organizations 3 hrs
    - PAF 4754  Interdisciplinary Leadership in Public Affairs 3 hrs
    - POS 3413  The American Presidency 3 hrs
    - POS 4206  Political Psychology 3 hrs
    - PUP 3325  Women and Political Behavior 3 hrs
    - SYO 4300  Political Sociology 3 hrs
  - **Ethics**
    - BUL 3310  Legal and Ethical Environment of Business 3 hrs
    - EDF 3601  Professional Ethics in Education 3 hrs
    - PAD 3040  Ethics and Values in Public Administration 3 hrs
    - PHI 2108  Critical Thinking 3 hrs
    - PHI 3638  Ethical Issues in the 21st Century 3 hrs
    - PHI 3640  Environmental Ethics 3 hrs

**Other Requirements**
- None

**Political Science**
- None

**Latin American Studies**
- None

**Modern Languages and Literature**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 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.

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Leadership Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None
Minors

Legal Studies - Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
David Slaughter, 407-823-2603

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (3 hrs)
PLA 3014 Law and the Legal System 3 hrs

Restricted Electives (18 hrs)
Restricted Upper Division Electives 15 hrs
■ 15 Semester hours of legal studies courses selected with the aid of an advisor

Restricted Electives 3 hrs
■ 3 semester hours of law-related courses selected with the aid of an advisor

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Marketing - Minor
College of Business Administration
Department of Marketing, Business Administration II,
Room: 307S

Open to Business and Non-Business Students

Minor Admission Requirements
■ Not available to Marketing Majors

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (4 hrs)
MAR 3023 Marketing 4 hrs

Restricted Electives (12 hrs)
Select four or five:
MAR 3323 Integrated Marketing Communication 3 hrs
MAR 3391 Professional Selling 3 hrs
MAR 3403 Sales Force Management 3 hrs
MAR 3503 Customer Behavior 3 hrs
MAR 3613 Marketing Analysis and Research 3 hrs
MAR 3641 Marketing Intelligence 3 hrs
MAR 3721 E-Marketing 3 hrs
MAR 4156 International Marketing 3 hrs
MAR 4231 Retailing Management 3 hrs
MAR 4711 Sport Marketing 3 hrs
MAR 4712 Healthcare Marketing 3 hrs
MAR 4715 Entertainment Marketing 3 hrs
MAR 4724 Strategic Foundations in Global E-Business 3 hrs
MAR 4803 Marketing Management 3 hrs
MAR 4804 Marketing Strategy 3 hrs
MAR 4841 Services Marketing 3 hrs
MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
Minors

Mass Communication - Minor

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Ms. Rebecca Morales, rmorales@mail.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad/PR, Journalism, or Radio/TV majors.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the School of Communication.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses
- None

Restricted Electives (18 hrs)
Select at least 6 courses from the following:

- ADV 3006 Principles of 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
- MMC 2004 Mass Media 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 4300 International Media 3 hrs
- PUR 4000 Public Relations 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

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Mathematics - Minor
College of Sciences
Department of Mathematics,
Math and Physics, Room: 207
http://math.ucf.edu
E-mail: martin@math.ucf.edu
Dr. Heath Martin, MAP 215A
Phone: 407-823-5700

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- A maximum of six hours of the listed required or elective courses can count toward another major or minor degree program.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (15 hrs)
1 MAC 2311 Calculus with Analytic Geometry I 4 hrs
2 MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs

1 This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives’ hours accordingly to earn the hours required in the minor.
2 This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives’ hours accordingly to earn the hours required in the minor.
Minors

<table>
<thead>
<tr>
<th>Restricted Electives (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.</td>
</tr>
</tbody>
</table>

Select two from the following list of options:
- MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MAD XXXX (any 3000, 4000, or 5000 level course)
- MAP XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MAS XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MTG XXXX (any 3000, 4000, or 5000 level course)
- Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee

NOTE: The following course is NOT acceptable as a restricted elective.
- MAP 3401  Problem Analysis  3 hrs

You may select either course if desired, but not both.
- MAS 3105  Matrix and Linear Algebra or 4 hrs
- MAS 3106  Linear Algebra  4 hrs

You may select either sequence, but not both.
- MAA 4226  Advanced Calculus I and 4 hrs
- MAA 4227  Advanced Calculus II  3 hrs

or
- MAA 5210  Topics in Advanced Calculus  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Mathematics Education - Minor

College of Education

Department of Teaching and Learning Principles, Education Building, Room: 209

http://education.ucf.edu/mathed/

Dr. Janet Andreaon, ED 123Q, jandreas@mail.ucf.edu
Dr. Erhan Haciomeroglu, ED 115L, erhansh@mail.ucf.edu,
407-823-4336

Phone: 407-823-5430

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- EDF 4467  Learning Theory and Assessment  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- MAE 4360  Mathematics Instructional Analysis  4 hrs
- MAE 4634  Programs in Teaching of Mathematics  3 hrs
- RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
- TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in mathematics as co-requisites
- At least 12 hours in the minor must be earned at UCF

Medical Anthropology - Minor

College of Sciences

Department of Anthropology, Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
E-mail: anthro@mail.ucf.edu
Dr. Arlen Chase, (407) 823-2227

The Medical Anthropology minor develops students’ understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Other Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (12 hrs)
- Complete all of the following:
  - ANT 2410  Cultural Anthropology  3 hrs
  - ANT 2511  The Human Species  3 hrs
  - ANT 4408  Culture, Disease, and Healing  3 hrs
  - ANT 4462  Medical Anthropology  3 hrs

Restricted Electives
- None

Restricted Electives, Group A: 3 hrs
- Select one course from the list below:
  - ANT 3241  Magic, Ritual, and Belief  3 hrs
  - ANT 3302  Sex, Gender and Culture  3 hrs
  - ANT 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 two courses from the list below:
  - ANT 3148  Life and Death in Ancient Egypt  3 hrs
  - ANT 3541  Biobehavioral Anthropology  3 hrs
  - ANT 3701  Applied Anthropology  3 hrs
ANT 4013  Anthropological Perspectives on Fast Food  3 hrs
ANT 4184  Mortuary Archaeology  3 hrs
ANT 4521C Forensic Anthropology  3 hrs
ANT 4525C Human Osteology  4 hrs
ANT 4802  Ethnographic Field Methods  3 hrs
May substitute a health-related course from another department with permission from Anthropology.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- No Credit by exam (TSD, Military Credit) may be used to satisfy the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Medieval and Renaissance Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 417G
http://www.english.cah.ucf.edu/
Tison Pugh, 407-823-6041

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

Other 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:
  1. ENL 4311 Chaucer  3 hrs
  2. ENL 4333 Shakespeare Studies  3 hrs
  3. ENL 4341 Milton and His Age  3 hrs
  4. EUH 3122 Medieval Society and Civilization  3 hrs
  5. HUM 3435 Medieval Humanities  3 hrs

  1 Only one of these three courses will count towards required courses

Restricted Electives (12 hrs)
- Select no more than two from each disciplinary group:

Department of Art
- ARH 4200 Medieval Art  3 hrs
- ARH 4310 Italian Renaissance Art  3 hrs

Department of English
- ENL 4220 English Renaissance Poetry and Prose  3 hrs
- ENL 4311 Chaucer  3 hrs
- ENL 4333 Shakespeare Studies  3 hrs
- ENL 4341 Milton and His Age  3 hrs

Department of History
- AMH 4110 Colonial America, 1607-1763  3 hrs
- AMH 4112 The Atlantic World  3 hrs
- EUH 3122 Medieval Society and Civilization  3 hrs
- EUH 3124 The Crusades  3 hrs
- EUH 3142 Renaissance and Reformation  3 hrs
- EUH 3531 Medieval Ireland  3 hrs
- EUH 3536 Early Modern Ireland  3 hrs
- EUH 4500 English History to 1485  3 hrs
- EUH 4501 English History: 1485-1815  3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern  3 hrs

Department of Modern Languages
- FRW 3100 Survey of French Literature I  3 hrs
- ITT 3443 Dante’s Inferno  3 hrs
- ITW 3100 Survey of Italian Literature I  3 hrs
- LAT 1120 Elementary Latin Language and Civilization I  4 hrs
- LAT 1121 Elementary Latin Language and Civilization II  4 hrs
- SPW 3100 Survey of Spanish Literature I  3 hrs
- SPW 3370 Spanish Short Story  3 hrs
- SPW 4310 Golden Age Drama  3 hrs
- SPW 4322 Contemporary Iberian Theatre  3 hrs
- SPW 4604 Cervantes  3 hrs

Department of Music
- MUH 4322 Medieval and Renaissance Music  3 hrs

Department of Philosophy
- HUM 3435 Medieval Humanities  3 hrs
- PHH 3200 Medieval Philosophy  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

Middle Eastern Studies - Minor
College of Arts and Humanities
Program in Middle Eastern Studies, Colbourn Hall, Room: 411J
Dr. Husain Kassim, 407-823-2803

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- ASH 3223 The Modern Middle East  3 hrs
- CPO 3403 Politics of the Middle East  3 hrs
- HUM 3419 Islamic Thought and Culture  3 hrs

Restricted Electives (12 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  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 The Jewish People I  3 hrs
- JST 3402 The Jewish People II  3 hrs
- JST 3820 Modern Hebrew Culture  3 hrs
- PHH 3200 Medieval Philosophy  3 hrs
- REL 2300 World Religions  3 hrs
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of "C" or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Military Science - Minor
College of Engineering and Computer Science
Army ROTC, Army ROTC, Room: 501
LTC Sean Morgan
Phone: 407-823-1872

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (16 hrs)

Required Courses
- MSL 3201C  Leadership and Problem Solving  4 hrs
- MSL 3202C  Leadership and Ethics  4 hrs
- MSL 4301C  Leadership and Management  4 hrs
- MSL 4302C  Officership  4 hrs

Restricted Electives (3 hrs)

Select one of the following:
- AMH 3541  U. S. Military History To 1900  3 hrs
- AMH 3547  U.S. Military History Since 1900  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

Molecular Biology and Microbiology - Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (23 hrs)

Required Courses
- BSC 2010C  Biology I  4 hrs
- BSC 3403C  Quantitative Biological Methods  4 hrs
- MCB 3020C  General Microbiology  5 hrs
- PCB 3233L  Immunology Laboratory  1 hr
- PCB 3522  Molecular Biology I  3 hrs
- PCB 4524  Molecular Biology II  3 hrs

Select 1: 3 hrs
- PCB 3233  Immunology or
- PCB 4239  Molecular Immunology

Restricted Electives (7 hrs)
- At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements
- None

Total Semester Hours Required
- 30

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Music - Minor
College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205A
http://www.music.cah.ucf.edu/
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (11 hrs)

Required Courses
- MUT 1121  Music Theory and Musicianship I  4 hrs
- MUT 1122  Music Theory and Musicianship II  4 hrs

Select 1: 3 hrs
- MUH 2017  Survey of Rock Music or
- MUH 2019  American Popular Music, 1840s-present or
The requirements for each are as follows:

- either the Generalist Emphasis or the Public Affairs Emphasis.

**Restricted Electives** (9 hrs)
- Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 20

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**Non-Profit Management/American Humanics National Certification Program - Minor**

**College of Health and Public Affairs**

**Department of Public Administration,**

**Health and Public Affairs II, Room: 238**

E-mail: ahminor@mail.ucf.edu

Stephanie Krick, skrick@mail.ucf.edu, 407-823-0661

The Nonprofit Management/American Humanics National Certification Program Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including "Other Requirements"), the student can earn both a minor and National Certification in American Humanics.

**Minor Admission Requirements**
- None

**Other Requirements**
- Students must earn a “C” (2.0) or better in each course in the minor.

**Prerequisite Courses**
- None

**Required Courses** (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 PAD 3930</td>
<td>1 hr</td>
</tr>
<tr>
<td>2 PAD 3944</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 PAD 4048</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. One credit hour repeated three semesters
2. Internships within other programs may be accepted with prior approval of American Humanics advisor

**Restricted Electives** (9 hrs)

- Student can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

**Select 1:**
- Choose at least one course from each of the following three groups

**Generalist Emphasis**
- Choose at least one course from each of the following three groups

**Select 1:**
- **Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation**
  - ACG 2021 Principles of Financial Accounting or 3 hrs
  - ACG 2071 Principles of Managerial Accounting or 3 hrs
  - MAN 3025 Management of Organizations or 4 hrs
  - PAD 4131 Public Sector Project Management or 3 hrs
  - PAD 4153 Planning and Improvement for Pub Org or 3 hrs
  - PAD 4204 Fiscal Management or 3 hrs
  - PAD 4325 Program Evaluation for Public and Non-Profit Organizations or 3 hrs
  - PAD 5850 Grant and Contract Management or 3 hrs
  - SOW 5401 Social Work Research or 3 hrs

**Select 1:**
- **Group II: Human Development and Human Resource Development and Volunteerism**
  - DEP 2004 Developmental Psychology or 3 hrs
  - DEP 3646 Psychology of Aging or 3 hrs
  - EDG 4941 Directed Field Experience or 1 hr
  - MAN 3301 Management of Human Resources or 3 hrs
  - MAN 4101 Human Relations in Management or 3 hrs
  - MAN 4320 Human Resources Recruitment and Selection or 3 hrs
  - PAD 4148 Volunteer Management or 3 hrs
  - PAD 4414 Public Personnel Administration or 3 hrs
  - SOW 3104 Assessing I: Human Development or 3 hrs
  - SOW 3203 Social Work & Community Resources or 3 hrs

**Select 1:**
- **Group III: Communication & Marketing and Fund Raising Principles & Practices**
  - COM 3110 Business and Professional Communication or 3 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business or 3 hrs
  - MAR 3023 Marketing or 4 hrs
  - 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
  - SOW 3352 Practice II: Interpersonal Skills in Social Work: or 3 hrs
  - SPC 3301 Interpersonal Communication or 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 4131 Public Sector Project Management or 3 hrs
  - PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  - PAD 4148 Volunteer Management or 3 hrs
  - PAD 4153 Planning and Improvement for Pub Org or 3 hrs
  - PAD 4204 Fiscal Management or 3 hrs
  - PAD 4223 Public Budgeting: Skills and Techniques or 3 hrs
  - PAD 4253 Community & Economic Development or 3 hrs
  - PAD 4325 Program Evaluation for Public and Non-Profit Organizations or 3 hrs

1. Course has prerequisites or may be closed to students in the major. Please see catalog for details.

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18
### Philosophy - Minor

**College of Arts and Humanities**  
**Department of Philosophy,**  
**Psychology Building, Room: 220**  
**http://www.philosophy.cah.ucf.edu/**  
**E-mail: philosophy@mail.ucf.edu**  
Jennifer Mundale, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

#### Minor Admission Requirements
- None

#### Other Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2101</td>
<td>Philosophical Reasoning or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2108</td>
<td>Critical Thinking or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2647</td>
<td>Logic and Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3131</td>
<td>Formal Logic II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### History of Philosophy

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3100 Ancient Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3200 Medieval Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3460 Modern Western Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3600 Contemporary Philosophy or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Values and Society

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3701 Native American Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3625 Virtual Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3626 Advanced Ethics in Science and Technology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3638 Ethical Issues in the 21st Century or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640 Environmental Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3670 Ethical Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3800 Aesthetics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3805 Contemporary Aesthetics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4633 Ethics and Biological Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHEM 3100 Freedom and Justice or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHEM 3123 Feminist Theories or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHEM 3401 Philosophy of Law or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHEM 4031 Environmental Philosophy or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Being and Knowing

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3320 Philosophy of Mind or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3323 Minds and Machines: Philosophy of Cognitive Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3451 Philosophy of Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3700 Philosophy of Religion or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4221 Philosophy of Language or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4300 Theories of Knowledge or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4341 Ways of Knowing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4400 Philosophy of Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4420 Philosophy of Social Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4500 Metaphysics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 4782 Phenomenology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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### North American Indian Studies - Minor

**College of Sciences**  
**Department of Anthropology, Howard Phillips Hall,**  
**Room: 309**  
**http://www.cos.ucf.edu/anthropology**  
**E-mail: anthropology@ucf.edu**

Dr. Rosalyn Howard  
Phone: 407-823-2227  

The North American Indian Studies minor will enhance a student’s understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for all UCF undergraduates.

#### Minor Admission Requirements
- Interview with the North American Indian Studies Director.  
- The minor is not open to Anthropology majors.

#### Other Requirements
- Consultation with the Director to develop a program of study and plan course selections.  
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.  
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.  
- At least 15 hours used in the minor must be earned at UCF.

#### Prerequisite Courses
- Students must satisfy a course’s prerequisites before enrolling in the class.

#### Required Courses (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4910</td>
<td>Research</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (15 hrs)

- Courses used in the minor must be taken in at least two departments. Select from the following list.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3411</td>
<td>History of the Frontier: Eastern America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 4110</td>
<td>Colonial America, 1607-1763</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 4112</td>
<td>The Atlantic World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3640</td>
<td>Native American Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3152</td>
<td>Indians of the Southwest</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3158</td>
<td>Florida Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>Indians of the Southeast United States</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>Ethnology of North American Indians</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3313</td>
<td>Indians of North America High Plains</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3314</td>
<td>Indians of the Northeast Woodlands</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3318</td>
<td>Indians of the Northwest Coast</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3398</td>
<td>Black/Seminole Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4144</td>
<td>Prehistory of North America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4153</td>
<td>North American Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4906</td>
<td>Directed Independent Study</td>
<td>1 hr</td>
</tr>
<tr>
<td>PHH 3701</td>
<td>Native American Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3751</td>
<td>North American Indian Women Today</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3752</td>
<td>Modern Law in Indian Country</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.
Philosophy, Religion and Popular Culture - Minor

College of Arts and Humanities

Department of Philosophy,
Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Doug Evans (Orlando Campus), 407-823-2273
Shelley Park, (Cocoa Campus), 321-433-7919

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- NOTE: Appropriate special topics in philosophy or humanities may be substituted for some core courses with prior approval by department advisor.

Topics in Philosophy

Select 1: 3 hrs
PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
PHI 3648 Ethical Implications of the Human Genome Project or 3 hrs
PHI 3683 Philosophy of Friendship or 3 hrs
PHI 3720 Faith and Reason or 3 hrs
PHI 3750 The Problem of Evil or 3 hrs
PHI 3803 Philosophy and Creativity or 3 hrs
PHI 3941 Philosophy Practicum or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
PHI 4804 Critical Theory or 3 hrs
PHI 4931 Philosophy in the News or 3 hrs
PHP 3783 Modernity as a Philosophical Problem or 3 hrs
PHP 3786 Existentialism or 3 hrs
REL 3111 Religion and Philosophy Through Film 3 hrs

Restricted Electives (6 hrs)
- Must consult an advisor for approved courses in this area.
- Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

Theoretical Foundations 6 hrs

Take all of the following: 6 hrs
PHI 3684 Ways of Living and 3 hrs
PHI 4341 Ways of Knowing 3 hrs

Philosophy

Select 1: 3 hrs
PHI 2101 Formal Logic I or 3 hrs
PHI 3670 Ethical Theory or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 3720 Faith and Reason or 3 hrs
PHI 3800 Aesthetics or 3 hrs
PHI 4300 Theories of Knowledge or 3 hrs
PHI 4804 Critical Theory or 3 hrs
PHM 3100 Freedom and Justice or 3 hrs
PHP 3786 Existentialism 3 hrs

Religion

Select 1: 3 hrs
CLT 3378 Comparative Mythology or 3 hrs
HUM 3417 Hindu Thought and Culture or 3 hrs
HUM 3419 Islamic Thought and Culture or 3 hrs
HUM 3552 Christian Thought or 3 hrs
HUM 3553 Moses, Jesus and Muhammad or 3 hrs
HUM 4303 The Spiritual Ideal or 3 hrs
HUM 4554 Religious Quest and Human Dilemma or 3 hrs
PHI 3750 The Problem of Evil 3 hrs

Popular Culture Studies 9 hrs

Select at least one course from Contemporary Media
Select at least one course from Contemporary Forms of Life

Contemporary Media

Select 1: 3 hrs
HUM 3320 Contemporary Multicultural Studies or 3 hrs
HUM 4330 Performance Theory or 3 hrs
HUM 4556 Religion and the Arts or 3 hrs
PHI 3625 Virtual Ethics or 3 hrs
PHI 4931 Philosophy in the News or 3 hrs
POS 3235 Mass Media and Politics or 3 hrs
POS 3258 Politics in Film or 3 hrs
REL 3111 Religion and Philosophy Through Film or 3 hrs
REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
SYP 3630 Popular Culture In Society 3 hrs

Contemporary Forms of Life

Select 1: 3 hrs
ANT 3302 Sex, Gender and Culture or 3 hrs
HUM 3352 Contemporary Humanities or 3 hrs
PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
PHI 3629 Family Values or 3 hrs
PHI 3683 Philosophy of Friendship or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
PHM 3123 Feminist Theories or 3 hrs
PHM 3401 Philosophy of Law or 3 hrs
REL 3131 Religion in America 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 21
Minors

Physics - Minor
College of Sciences
Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
PHY 2048C  Physics for Engineers & Scientists I  4 hrs
PHY 2049C  Physics for Engineers and Scientists II  4 hrs
PHY 3101  Physics for Engineers and Scientists III  3 hrs

Restricted Electives (9 hrs)
- Select from upper-level Physics lecture or laboratory courses appropriate for majors.

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Political Science - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:

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

Political Science/Prelaw - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  1. Students who double minor in Political Science/Prelaw and International and Global Studies shall not count more than one course toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science/Prelaw, shall not count more than one course toward both programs, except the following:

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
POS 2041  American National Government  3 hrs

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.
Restricted Electives (12 hrs)

Select 1:

- INR 4401  International Law I  3 hrs
- INR 4402  International Law II or 3 hrs
- POS 4603  American Constitutional Law or 3 hrs
- POS 4604  American Constitutional Law II  3 hrs

Restricted Upper Division Electives 9 hrs

- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUP and one GEO - World Political Geography are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of the following course may be counted:
  - POS 4941L Political Science Internship  3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

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Psychology - Minor

College of Sciences

Department of Psychology, Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: psychadvising@mail.ucf.edu
Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements

- The minor is not open to psychology majors.

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of “C” (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (10 hrs)

- PSY 2012  General Psychology  3 hrs
- PSY 3204C Statistical Methods in Psychology  4 hrs

Select one statistics course: 3 hrs

- STA 2014C  Principles of Statistics  3 hrs
- STA 2023  Statistical Methods I  3 hrs

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Restricted Electives (15 hrs)

A. Experimental

Select 1:

- EXP 3204C Perception or 3 hrs
- EXP 3404  Basic Learning Processes or 3 hrs
- EXP 3604  Cognitive Psychology or 3 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSY 3703  Psychology of Language  3 hrs

B. Personality/Social

Select 1:

- PPE 3003  Personality Theory or 3 hrs
- SOP 3004  Social Psychology  3 hrs

C. Developmental

Select 1:

- DEP 2004  Developmental Psychology or 3 hrs
- DEP 3202  Psychology of Exceptional Children or 3 hrs
- DEP 3464  Psychology of Aging  3 hrs

D. Diversity

Select one additional Psychology elective 3 hrs

- CLP 3184  Women’s Mental Health or 3 hrs
- SOP 3723  Cross Cultural Psychology or 3 hrs
- SOP 3724  Psychology of Prejudice or 3 hrs
- SOP 3742  Psychology of Women or 3 hrs
- SOP 3784  Psychology of Diversity  3 hrs

E. Select one additional Psychology elective 3 hrs

- The following courses will not fulfill this requirement:
  - INP 3141C  Advanced Applied Psychology  1 hr
  - INP 3951  Industrial/Organizational Field Work  3 hrs
  - PSY 3905  Directed Independent Study  1 hr
  - PSY 3951  Undergraduate Field Work  1 hr
  - PSY 4906  Directed Independent Study  1 hr
  - PSY 4912  Directed Independent Research  1 hr

This course may fulfill the requirement with prior approval.

Foreign Language Requirements

- None

Total Semester Hours Required 25

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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Public Administration - Minor

College of Health and Public Affairs

Department of Public Administration, Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Dr. Michael Abels, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

Minor Admission Requirements

- None

Other Requirements

- None
Minors

Prerequisite Courses
- None

Required Courses (21 hrs)
- PAD 3003 Public Administration in American Society 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Public Personnel Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 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, Independent Study, or Directed Research 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/realestate/
Phone: 407-823-3575

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses (6 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Required Courses (13 hrs)

Required Courses
- FIN 3020 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs

Restricted Electives (6 hrs)

Select 2:
- REE 3614 Environmental Issues for Real Estate 3 hrs
- REE 4103 Real Estate Appraisal and Valuation 3 hrs
- REE 4204 Commercial Real Estate Finance 3 hrs
- REE 4303 Real Estate Investment Analysis 3 hrs
- REE 4732 Real Estate Development 3 hrs
- REE 4933 Advanced Topics in Real Estate 3 hrs

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

Recreation - Minor

College of Education

Department of Child, Family and Community Sciences,
Education Building, Room: 209
Dr. Debby Mitchell, ED 320H, mitchell@mail.ucf.edu
Phone: 407-823-6598

This minor will assist students who wish to work in recreation areas such as YMCA’s, Boys and Girls Clubs, after school programs, sports for children programs, theme park and resort recreation programs. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- PEO 3041 Games Analysis 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 3820 Teaching Sports Skills I 3 hrs

Restricted Electives (9 hrs)

Select 3:
- DAE 3370 Dance and Rhythms or 3 hrs
- PET 3361 Nutrition for Sport and Fitness or 3 hrs
- PET 3771 Strength and Conditioning Concepts or 3 hrs
- PET 4002 Outdoor and Leisure Activities or 3 hrs
- PET 4050C Motor Development and Learning or 3 hrs
- PET 4312 Biomechanics or 3 hrs
- SPM 3310 Aquatic Management or 3 hrs
- SPM 3204 Sports and Ethics or 3 hrs
- SPM 3415 Public Relations in Sport and Fitness 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.
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, Art, Philosophy, Political Science, Psychology, and Sociology, and are to be selected in consultation with the Religious Studies advisor.

Minor Admission Requirements
■ None

Other Prerequisite Requirements
■ None

Required Courses
(3 hrs)
REL 2300 World Religions 3 hrs

Restricted Electives
(18 hrs)
■ (Select from the following courses)

Religion, Humanities, Classics, and Philosophy courses 12 hrs
CLT 3370 Classical Mythology or 3 hrs
CLT 3378 Comparative Mythology or 3 hrs
HUM 3320 Contemporary Multicultural Studies or 3 hrs
HUM 3401 Asian Humanities or 3 hrs
HUM 3417 Hindu Thought and Culture or 3 hrs
HUM 3419 Islamic Thought and Culture or 3 hrs
HUM 3552 Christian Thought or 3 hrs
HUM 3553 Moses, Jesus and Muhammad or 3 hrs
HUM 4303 The Spiritual Ideal or 3 hrs
HUM 4320 Performance Theory or 3 hrs
HUM 4554 Religious Quest and Human Dilemma or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3672 Animal Ethics or 3 hrs
PHI 3684 Ways of Living or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body or 3 hrs
Self or
PHI 4341 Ways of Knowing or 3 hrs
PHI 4804 Critical Theory or 3 hrs
PHM 3020 Philosophy of Love or 3 hrs
PHM 3100 Freedom and Justice or 3 hrs
PHP 3786 Existentialism or 3 hrs
REL 3111 Religion and Philosophy Through Film or 3 hrs
REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
REL 3131 Religion in America or 3 hrs
REL 3340 Buddhist Thought or 3 hrs
REL 3432 Roots of Western Mysticism or 3 hrs
REL 4110 Religion and the Arts or 3 hrs
REL 4180 Religion and Medicine or 3 hrs

Courses offered through other Departments 6 hrs
■ NOTE: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.

AML 3615 Harlem, Haiti, and Havana or 3 hrs
ANT 3241 Magic, Ritual, and Belief or 3 hrs
ANT 3245 Native American Religions or 3 hrs
ASH 3222 Islam and its Empires or 3 hrs
ASH 3223 The Modern Middle East or 3 hrs
JST 3005 Tenets of Judaism or 3 hrs
JST 3125 The Book of Job or 3 hrs
JST 3144 Dead Sea Scrolls or 3 hrs
JST 3401 The Jewish People I or 3 hrs
JST 3402 The Jewish People II or 3 hrs
JST 3450 Modern Jewish Experience or 3 hrs
JST 3550 Introduction 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
JST 3810 The Jewish National Movement and Roots of Zionism or 3 hrs
LIT 3202 Death and Dying or 3 hrs
LIT 4374 Literature of the Bible or 3 hrs
POT 4632 Religion and Politics or 3 hrs
SYO 4200 Religion in Society 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 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

Science Education - Minor
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Aldrin Sweeney, ED 123L, asweeney@mail.ucf.edu
Dr. Janet Anderson, ED 123Q, jandreas@mail.ucf.edu,
407-823-5430
Phone: 407-823-2561

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
■ None

Other Requirements
■ Have a minimum 2.5 overall GPA
■ Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Prerequisite Courses
■ None

Required Courses
(19 hrs)
EDP 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs
SCE 4360 Science Instructional Analysis 4 hrs
TSL 4080 Theory and Practice of Teaching ESOL or 3 hrs
Students in Schools

Restricted Electives
■ None
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF

Secure Computing and Networks - Minor
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Engineering, Room: 107
http://www.cecs.ucf.edu
Ms. Kim Small, ksmall@mail.ucf.edu, 407-823-2455

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CIS 3360  Security in Computing  3 hrs
- CIS 3362  Cryptography and Information Security  3 hrs

Restricted Electives (12 hrs)
- Elective Courses: Select any four courses from the following list.
  Select 4: 12 hrs
  - CIS 4361  Secure Operating Systems and Administration  3 hrs
  - CIS 4615  Secure Software Development and Assurance  3 hrs
  - CNT 4403  Network Security and Privacy  3 hrs
  - CNT 4703C  Design and Implementation of Computer Communication Networks  3 hrs
  - CNT 4704  Analysis of Computer Communication Networks  3 hrs
  - COP 4600  Operating Systems  3 hrs
  - EEL 4781  Computer Communication Networks  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

Social Science Education - Minor
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- EDF 4467  Learning Theory and Assessment  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
- SSE 4361  Social Science Instructional Analysis  4 hrs
- SSE 4936  Programs in Teaching Social Science  3 hrs
- TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF

Social Sciences - Interdisciplinary - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Dr. Jay Corzine
Phone: 407-823-3744

Minor Admission Requirements
- The minor is not open to Social Sciences majors.

Other Requirements
- Students must earn a grade “C” or above (2.0) in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- At least 18 hours must be upper division classes.
Minors

Prerequisite Courses
● Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
● One method course, selected from the three immediately below

Select 1: 3 hrs
POS 3703 Scope and Methods of Political Science or 3 hrs
PSY 3213C Research Methods in Psychology or 5 hrs
SYA 4300C Research Methods 4 hrs

Restricted Electives (18 hrs)
● Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.

Communication
Economics
Political Science
Public Administration
Psychology
Sociology & Anthropology

Foreign Language Requirements
● None

Total Semester Hours Required
● 21

Other Requirements
● No credit by exam (TSD, Military credit) may be used.
● Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Sociology - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Dr. Jay Corzine
Phone: 407-823-3744

Minor Admission Requirements
● The minor is not open to Sociology majors.

Other Requirements
● Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
● Grades below “C” (2.0) in lower level courses are not accepted.
● At least 15 hours used in the minor must be earned at UCF within the department of Sociology.
● No more than 3 hours of Independent Study credit can be used toward the minor.

Prerequisite Courses
● Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
SYG 2000 Introduction to Sociology 3 hrs

Restricted Electives (15 hrs)

Restricted Electives 3 hrs
● 2000-4000 level Sociology courses

Restricted Upper Division Electives 12 hrs
● 3000-4000 level Sociology courses

Foreign Language Requirements
● None

Total Semester Hours Required
● 18

Other Requirements
● No credit by exam (TSD, Military credit) may be used.
● Co-op or internship credit cannot be used toward the minor.

Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
● None

Other Requirements
● None

Prerequisite Courses
● None

Required Courses
● None

Restricted Electives (18 hrs)
● A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
● Approval of a departmental advisor is required prior to registration.
● Select six upper division courses in Spanish, including the following courses:
  SPN 3300 Advanced Spanish Grammar and Composition  3 hrs
  SPN 3420 Spanish Composition  3 hrs
  SPN 3760 Advanced Spanish Oral Communication  3 hrs

Foreign Language Requirements
● None

Total Semester Hours Required
● 18

Other Requirements
● A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
● At least 15 hours used in the minor must be earned at UCF within the department.
● No credit by exam (TSD, Military credit) may be used.
● Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.
Minors

Sport Business Management (SPB): Business Minor

College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharri-son@bus.ucf.edu, 407-823-1158

Open to Business majors only. Minor will only be awarded at the time of business degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
- Completion of Common Program Prerequisites and Admission to a major within the College of Business Administration

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- MAR 4711 Sport Marketing 3 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

Restricted Electives
- 1 GEB 4824 Business Law in Sport & Entertainment 3 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 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 a “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.

Sport Business Management (SPB): Minor for Non-Business Majors - Minor

College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharri-son@bus.ucf.edu, 407-823-1158

Open to Non-Business Majors only. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- MAR 4711 Sport Marketing 3 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

Restricted Electives
- 1 GEB 4824 Business Law in Sport & Entertainment 3 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 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 a “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.
Statistics - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
E-mail: statistics@ucf.edu
Dr. David Nickerson
Phone: 407-823-2289

Minor Admission Requirements
■ The minor is not open to Statistics majors.

Other Requirements
■ A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
STA 4163  Statistical Methods II  3 hrs
STA 4164  Statistical Methods III  3 hrs
Select 1: 3 hrs
STA 2023  Statistical Methods I or
STA 3032  Probability and Statistics for Engineers  3 hrs

Restricted Electives (9 hrs)
Select from upper division STA prefix courses taught within the Statistics Department.
The following course cannot be used as a restricted elective:
STA 3032  Probability and Statistics for Engineers  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ 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 Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/teched/
E-mail: jwhitema@mail.ucf.edu
Dr. Jo Ann M. Whiteman, ED 115D
Phone: 407-823-2848

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not intended for students admitted to a degree program in the College of Education and does not lead to teacher certification or admission to the College of Education. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
■ Must be Junior standing

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
ADE 4382  Teaching Adult Learners in Technical Programs  3 hrs
EVT 3062  Professional Role of the Vocational Teacher  3 hrs
EVT 3367  Evaluation of Vocational Instruction  3 hrs
EVT 4065  Principles and Practices of Technical Education  3 hrs
EVT 4169  Curriculum Development Techniques for Industry Training  3 hrs
EVT 4368  Advanced Teaching Techniques for Vocational Education  3 hrs

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
College of Engineering and Computer Science
Department of Management, Business Administration,
Room: 307
http://www.cei.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

Other 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

Restricted Electives (9 hrs)
Minors

Innovation Design or Research Sequence  
6 hrs
- Any 6-credit sequence approved by the program coordinator in coordination with faculty in partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. Examples of approved course sequences for the minor include:

All engineering, interdisciplinary students (e.g., 6 hrs business):
- EGN 4412C Interdisciplinary Design I and 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

BSEE, BSCPE:
- BEE 4914 Senior Design I and 3 hrs
- BEE 4915L Senior Design II 3 hrs

BSME:
- EML 4501C Engineering Design I and 3 hrs
- EML 4502C Engineering Design II 3 hrs

BSCE:
- CEE 4810C Construction Design Project and 3 hrs
- CEG 4801C Geotechnical Engineering Design 3 hrs

BSAE:
- EAS 4700C Aerospace Design I and 3 hrs
- EAS 4710C Aerospace Design II 3 hrs

Discipline-Specific or Experiential Sequence 3 hrs
- Any 3-credit discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in coordination with faculty in partner discipline. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (EGN 4641C), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- Student 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 from 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
Department of Public Administration, Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Jay Jurie, 407-823-2604

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- PAD 3330 Urban and Regional Planning 3 hrs
- PAD 4253 Community & Economic Development 3 hrs
- PAD 4331 Land Use and Planning 3 hrs
- PAD 4334 Urban Design 3 hrs
- PAD 4351 Issues in Environmental Program Management 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4803 Issues in Urban Administration 3 hrs

Theatre - Minor
College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.cah.ucf.edu
E-mail: theatre@mail.ucf.edu
Earl Weaver, eweaver@mail.ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful interview and current resume

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- THE 2304 Script Analysis 3 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- TPA 2201 Technical Theatre Production 2 hrs
- TPA 2201L Technical Theatre Production Lab 1 hr
- TPP 2101 Fundamentals of Acting 3 hrs

Select 1:
- 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
Women's Studies - Minor
College of Arts and Humanities
Program in Women's Studies,
Colbourn Hall, Room: 201H
http://womensstudies.cah.ucf.edu
E-mail: womensst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269

The Women's Studies minor provides students with an opportunity to learn about women's historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women's Studies Program.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ Required Courses (3 hrs)
WST 3015  Introduction to Women's Studies

Select 1: (3 hrs)
■ Select one course from the Theories Group:
LIT 4554  Advanced Feminist Theories or
PHM 3123  Feminist Theories or
WST 3522  First and Second Wave Feminisms or
WST 3561  Third Wave Feminisms or
WST 3621  Theories of Masculinity or
WST 4349  Ecofeminism or
WST 4415  Global and Transnational Feminism

Restricted Electives
■ Restricted Electives (12 hrs)
Students should complete at least two of their four Elective courses from outside their major. Students may count additional courses from the Theories Group as electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

Women's Studies Disciplinary Approaches
■ Women's Studies Disciplinary Approaches (6 hrs)
WST 3020  Girls' Studies
WST 3371  Women and Leadership
WST 3460  Womanist Studies
WST 3500  Gender Issues and Community Activism
WST 3522  First and Second Wave Feminisms
WST 3621  Theories of Masculinity
WST 4002  Researching Women and Gender
WST 4021  Girls and Leadership
WST 4349  Ecofeminism
WST 4415  Global and Transnational Feminism

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
■ At least 15 hours used to satisfy the minor must be earned at UCF within the department.
■ Internship or Independent Study credit cannot be used toward the minor.
■ No credit by exam (TSD, Military credit) may be used.
The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- IDS 3333 World Comparative Studies 3 hrs

Restricted Electives
- Thematic Concentrations: Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor, with permission of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

Language and Culture
- Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.
  - AML 3615 Harlem, Haiti, and Havana 3 hrs
  - ANT 3145 Archaeology of Complex Societies 3 hrs
  - ANT 3212 Peoples of the World 3 hrs
  - ANT 3319 Anthropology of Diaspora 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - ANT 4702 Culture, Power and Development 3 hrs
  - FSS 3008 Culture and Cuisine 3 hrs
  - HFT 3868 History and Culture of Wine 3 hrs
  - HFT 4866C Exploring Wines of the World 3 hrs
  - HFT 4894 International Gastronomy 3 hrs
  - HUM 3419 Islamic Thought and Culture 3 hrs

Economics
- AN 4702 Culture, Power and Development 3 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4701 Seminar in Global Economic Policy 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECP 3302 Economics and the Environment 3 hrs
- ECS 4013 Development Economics 3 hrs
- HFT 3700 Tourism Management 3 hrs
- INR 4035 International Political Economy 3 hrs

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.
CERTIFICATES

Aging Studies - Certificate
College of Health and Public Affairs
School of Social Work, Health and Public Affairs I,
Room: 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator
Phone: 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The certificate may be completed as a fully web-based program. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ A required internship, along with course options that include service-learning activities, complements the web-based course of study.
■ Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
■ None

Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs
- HSA 4941 Internship 3 hrs
- PSY 3951 Undergraduate Field Work 3 hrs
- SOW 4510 Field Education 9 hrs
- SOW 4941 Internship 3 hrs
- SYP 4941 Internship 3 hrs

Restricted Electives (9 hrs)
■ Students select three additional courses from the following courses: A maximum of two courses 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 3220 Long Term Care and Administration 3 hrs
- HSA 4220 Long Term Patient Management 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- SYP 4732 Minority Aging 3 hrs

Other Colleges (3 hrs)
- DEP 3464 Psychology of Aging 3 hrs
- GEY 5007 Women and Healthy Aging 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

Foreign Language Requirements
■ None

Behavorial Forensics - Certificate
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: kmottare@mail.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) 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:
  - SYG 2000 Introduction to Sociology 3 hrs

Take all of the following: 6 hrs
■ Complete both classes:
  - PPE 3003 Personality Theory and 3 hrs
  - SYP 3510 Sociology of Deviant Behavior 3 hrs

Required Courses (9 hrs)
- CLP 4390 Forensic Psychology 3 hrs
- SOP 3751 Legal Aspects of Psychology 3 hrs
- SYP 3520 Criminology 3 hrs

Restricted Electives (12 hrs)
■ Note: It is the student’s responsibility to meet all prerequisites for every course selected

From Psychology, select one of the following: 3 hrs
- CLP 3143 Abnormal Psychology 3 hrs
- CLP 3302 Clinical Psychology 3 hrs
- CLP 4134 Childhood Psychopathology 3 hrs
- PCO 4203 Interviewing and Counseling 4 hrs
Certificates

**Children’s Services - Certificate**

**College of Health and Public Affairs**

**School of Social Work, Health and Public Affairs I, Room: 204**

E-mail: socialwk@mail.ucf.edu

BSW Coordinator

Phone: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and with the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- Must be a BSW major.

**Certificate Requirements**

- Placement with the Department of Children and Families-Working with child welfare or placement in an agency that serves children
- Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 3352</td>
<td>Practice II: Interpersonal Skills in Social Work</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4650</td>
<td>Child Abuse: Treatment and Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4654</td>
<td>Children’s Services</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

1. SOW 4510 Field Education or 3 hrs
2. SOW 4941 Internship 9 hrs

1. (for full-time students ONLY)
2. (for part-time students over two semesters)

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 30

**Other Requirements**

- None

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**Crime Analysis and Crime Mapping - Certificate**

**College of Health and Public Affairs**

**Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311**

E-mail: cjadvise@mail.ucf.edu

R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, predict occurrence of future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 4076</td>
<td>Crime Analysis II</td>
<td>3 hrs</td>
</tr>
<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 Analysis I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- 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 3450</td>
<td>The Criminal Justice Manager</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3451</td>
<td>Justice System Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 3444</td>
<td>Crime Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4352</td>
<td>Policy Development in Law Enforcement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4572</td>
<td>Justice Agency Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4654</td>
<td>Crime and Place</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice
- No credit by exam (TSD, Military credit) may be used
- Internship or Independent Study credit may not be used toward the program
Crime Scene Investigation - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311

Department of Anthropology, Phillips Hall, Room: 403
David Fabianic, fabianic@mail.ucf.edu, 407-823-2603
Dr. John Schultz, jschultz@mail.ucf.edu, 407-823-2618
Mary Ann Eastep, cjadvise@mail.ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
| None |

Certificate Requirements
| A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate. |
| At least 12 hours used in the program must be earned at UCF. |
| No credit by exam (TSD, Military credit) may be used. |
| Internship or Independent Study credit may not be used toward the program. |

Prerequisite Courses
| None |

Required Courses (12 hrs)
| Note: some courses have limited offerings, and should be taken when available. |
| ANT 4183 Archaeological Sciences 3 hrs |
| ANT 4521C Forensic Anthropology 3 hrs |
| CJE 4012 Criminal Profiling in Criminal Justice 3 hrs |
| CJE 4610 Criminal Investigation 3 hrs |

Restricted Electives (3 hrs)
| Select one of the following courses: |
| ANT 3115 Archaeological Method and Theory 3 hrs |
| ANT 4528C Advanced Forensic Anthropology 5 hrs |
| CJE 4195 Interviews & Interrogations in CJ 3 hrs |
| CHS 3501 Introduction to Forensic Science 3 hrs |
| CJE 4630 Serial Murder and Criminal Justice 3 hrs |
| SYP 3511 Sociology of Murder 3 hrs |

Foreign Language Requirements
| None |

Total Semester Hours Required
| 15 |

Other Requirements
| Course substitutions must be approved by both departments in advance. |

Cultural Tourism - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Certificate Admission Requirements
| None |

Certificate Requirements
| None |

Prerequisite Courses
| None |

Required Courses (12 hrs)
| Select one of the following: |
| CCJ 4195 Interviews & Interrogations in CJ 3 hrs |
| CJE 4610 Criminal Investigation 3 hrs |
| DSC 4012 Terrorism 3 hrs |

Foreign Language Requirements
| None |

Total Semester Hours Required
| 15 |

Other Requirements
| No credit by exam (TSD, Military credit) may be used |
| Internship or Independent Study credit cannot be used toward the certificate |

Criminal Profiling - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
David Fabianic, fabianic@mail.ucf.edu, 407-823-2603
Mary Ann Eastep, cjadvise@mail.ucf.edu, 407-823-2603

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today’s law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
| None |

Certificate Requirements
| None |

Prerequisite Courses
| None |

Required Courses (12 hrs)
| ANT 4303 Anthropology of Tourism 3 hrs |
| HFT 3540 Guest Services Management I 3 hrs |
| HFT 3700 Tourism Management 3 hrs |
| HFT 4735 Tourism Geography 3 hrs |
Certificates

Diplomacy - Certificate
College of Sciences
Department of Political Science, Phillips Hall, Room: 302
Department of History, Colburn Hall, Room: 551
http://www.cos.ucf.edu/politicalscience
Dr. R. Handberg, 407-823-2608
Dr. E. Kallina, 407-823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this 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.

Restricted Electives (6 hrs)
■ Choose two classes from one of the following areas:

African American Heritage area (choose two classes)
AFA 3104 The Black Intellectual Experience 3 hrs
AFA 4105 Documenting African American Heritage and Life 3 hrs
SYD 3700 Race and Ethnicity 3 hrs

Anthropology area (choose two classes)
ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
ANT 2410 Cultural Anthropology 3 hrs
ANT 3115 Archaeological Method and Theory 3 hrs
ANT 3212 Peoples of the World 3 hrs
ANT 3701 Applied Anthropology 3 hrs

Environmental Tourism area (choose two classes)
BOT 3152C Local Flora 3 hrs
PCB 3442 Florida Aquatic Ecology 3 hrs
PUP 3203 Environmental Politics 3 hrs
PUP 4204 Sustainability 3 hrs
SYD 4510 Environment and Society 3 hrs

Latin American area (choose two classes)
ANT 3165 Mesoamerican Archaeology 3 hrs
ANT 3168 Maya Archaeology 3 hrs
ANT 4332 People and Cultures of Latin America 3 hrs
ANT 4340 Caribbean Cultures 3 hrs
ARH 4653 Meso American Art 3 hrs
CPO 4303 Comparative Latin American Politics 3 hrs
LAH 3130 Latin American History I 3 hrs
LAH 3200 Latin American History II 3 hrs
LAH 3400 History of Mexico and Central America 3 hrs
LAH 3470 History of the Caribbean 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” or above (2.0) is required in each course used to satisfy the certificate.
■ At least 12 hours used in the certificate must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

Educational Studies - Certificate
College of Education
Department of Educational Studies, Education Building, Room: 220B
http://education.ucf.edu/es/
E-mail: wwise@mail.ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Educational Studies certificate is intended to provide for students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education. An Educational Studies minor that includes a sixth course is also an option. This certificate is available for students in the 2007 catalog year and beyond.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

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 (6 hrs)
Select two courses from the following list: 6 hrs
AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
EUH 4620 European Great Powers: 1815-1914 or 3 hrs
INR 4054 Global Politics of Energy or 3 hrs
INR 4074 Immigration Policy or 3 hrs
INR 4075 Human Rights Policy or 3 hrs
INR 4076 Global Drug Policy or 3 hrs
INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
INR 4114 American Security Policy or 3 hrs
INR 4351 International Environmental Law or 3 hrs
INR 4401 International Law I or 3 hrs
INR 4502 International Organizations or 3 hrs
INR 4714 Politics of International Trade Policy 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.
Certificates

Restricted Electives (3 hrs)

Choose one:
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs
- MAE 4634 Programs in Teaching of Mathematics 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used.
- Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Finance: Banking - Certificate
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- FIN 4324 Commercial Bank Management 3 hrs
- Select 1:
  - FIN 4941 Finance Internship 3 hrs
  - MAR 3391 Professional Selling 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

Finance: Corporate Finance - Certificate
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4941 Finance Internship 3 hrs

Finance: Investments - Certificate
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://www.bus.ucf.edu/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 3504 Investment Analysis 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4941 Finance Internship 3 hrs
## Certificates

<table>
<thead>
<tr>
<th>Program Name</th>
<th>College</th>
<th>Program Details</th>
<th>Required Courses</th>
<th>Other Requirements</th>
</tr>
</thead>
</table>
| Judaic Studies - Certificate | College of Arts and Humanities | Program in Judaic Studies, Colbourn Hall, Room: 415 E-J http://www.judaicstudies.cah.ucf.edu E-mail: judaicst@mail.ucf.edu | | Certificate Admission Requirements
- None
Certificate Requirements
- None
Prerequisite Courses
- None
<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language</td>
<td>HBR 1120  Elementary Modern Hebrew Language and Culture I  4 hrs</td>
</tr>
<tr>
<td></td>
<td>HBR 1121  Elementary Modern Hebrew Language and Culture II  4 hrs</td>
</tr>
<tr>
<td></td>
<td>HBR 2200  Intermediate Modern Hebrew I  3 hrs</td>
</tr>
</tbody>
</table>
| | HBR 2201  Intermediate Modern Hebrew II  3 hrs | | Restricted Electives
- None
Foreign Language Requirements
- None
Total Semester Hours Required
- 15
Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

| Language Development and Disorders - Certificate | College of Health and Public Affairs | Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101 http://www.cohpa.ucf.edu/comdis E-mail: advising@mail.ucf.edu | | Certificate Admission Requirements
- None
Certificate Requirements
- None
Prerequisite Courses
- None
<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(11 hrs)</th>
</tr>
</thead>
</table>
| Language | LIN 3673  Grammar & Advanced Prose Style  3 hrs | | Restricted Electives
- None
Foreign Language Requirements
- None
Total Semester Hours Required
- 11
Other Requirements
- A minimum grade of “C-” (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses to complete the certificate.
- At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.
Leadership Studies - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (13 hrs)
Foundation Requirement 4 hrs
LDR 2001 Foundations of Leadership 2 hrs
1 LDR 2002 Intermediate Foundations of Leadership 2 hrs
1 PR: LDR 2001

 Restricted Requirements 9 hrs
Choose one course from three of the areas below:
Communication 3 hrs
COM 3011C Communication and Human Relations 3 hrs
1 COM 3120 Organizational Communication 3 hrs
1 COM 4461 Intercultural Communication 3 hrs
1 COM 4462 Conflict Management 3 hrs
Collaboration 3 hrs
INP 3004 Industrial/Organizational Psychology or 3 hrs
INP 4131 Organizational Psychology or 3 hrs
MAN 3025 Management of Organizations or 4 hrs
1 MAN 4240 Organizations: Theory and Behavior or 3 hrs
1 SPC 4426 Group Dynamics 3 hrs
Social Relations and Culture 3 hrs
ANT 3541 Biobehavioral Anthropology or 3 hrs
CLP 3143 Abnormal Psychology or 3 hrs
COM 4461 Intercultural Communication or 3 hrs
EXP 3304 Motivation or 3 hrs
SOP 3004 Social Psychology or 3 hrs
SOP 3723 Cross Cultural Psychology or 3 hrs
SOP 3742 Psychology of Women or 3 hrs
SOP 3784 Psychology of Diversity 3 hrs
Politics 3 hrs
PAD 3003 Public Administration in American Society or 3 hrs
PAD 4104 Administrative Theory or 3 hrs
PAD 4144 Non-Profit Organizations or 3 hrs
PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
POS 3413 The American Presidency or 3 hrs
POS 4206 Political Psychology or 3 hrs
PUP 3325 Women and Political Behavior 3 hrs
Ethics 3 hrs
BUL 3130 Legal and Ethical Environment of Business or 4 hrs
EDF 3601 Professional Ethics in Education or 3 hrs
PAD 3040 Ethics andValues in Public Administration or 3 hrs
PHI 2108 Critical Thinking or 3 hrs
PHI 3640 Environmental Ethics 3 hrs
1 PR: COM 3311

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 13

Other Requirements
■ Earn a grade of “C” (2.0) or better in each course used to satisfy the certificate.
■ At least 12 credit hours used in the certificate must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
■ Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

Marketing: e-Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
■ Restricted to Marketing majors
■ These six hours count as the six elective marketing hours required in the major

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
MAR 3721 E-Marketing 3 hrs
1 MAR 4941 Marketing Internship 3 hrs
1 Internship in “e”-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 6

Other Requirements
■ None

Marketing: Entertainment Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
■ Restricted to Marketing majors
■ These six hours count as the six elective marketing hours required in the major

Certificate Requirements
■ None
Certificates

**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 the six elective marketing hours required in the major.

**Certificate Requirements**
- None

**Required 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 the six elective marketing hours required in the major.

**Certificate Requirements**
- None

**Required Courses**
- None

**Required Courses**
- 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: Selling and Sales Management - Certificate**
**College of Business Administration**
**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing Majors
- These six hours count as the six elective marketing hours required in the major.

**Certificate Requirements**
- None

**Required Courses**
- None

**Required Courses**
- 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
Certificates

Marketing: Services Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II,
Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4841 Services Marketing 3 hrs
- ¹MAR 4941 Marketing Internship 3 hrs

¹ Internship in services-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Sport Marketing Management - Certificate
College of Business Administration
Department of Marketing, Business Administration II,
Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required for the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4711 Sport Marketing 3 hrs
- ¹MAR 4941 Marketing Internship 3 hrs

¹ Internship in sports-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Military Science - Certificate
College of Engineering and Computer Science
Army ROTC, BLDG 501
LTC Bryce Christensen, 407-823-1872

Students enrolled in the UCF Army ROTC Military Science Program who are contracted under a three semester option prior to Commissioning will be eligible for a Military Science Certificate in Military Studies. Application for a Military Science Certificate will be approved by the Military Science Department Chair once a contracted Cadet completes the 12 credit hours of MSL Advanced Course instruction and the 3 credit hour Military History Course for a combined total of 15 credit hours in Military Science.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- AMH 3547 U.S. Military History Since 1900 3 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C Officership 4 hrs

Select 1:
- MSL 3201C Leadership and Problem Solving or 4 hrs
- MSL 3202C Leadership and Ethics 4 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades less that “C-” (1.75) are not accepted.
- No credit by exam (TSD, Military Credit) may be used.
- Internship or Independent Study credit can be used toward the certificate.
- Students earning the Military Science Minor are not eligible for this certificate.

Nonprofit Management - Certificate
College of Health and Public Affairs
Department of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm
E-mail: pa/ba-bs@mail.ucf.edu
Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None
Certificates

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4144</td>
<td>Non-Profit Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4147</td>
<td>Resource Development in the Nonprofit Sector</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4148</td>
<td>Volunteer Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4153</td>
<td>Planning and Improvement for Pub Org Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4325</td>
<td>Program Evaluation for Public and Non-Profit Organizations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)
- See advisor for approved courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of "C" (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration

Real Estate: Mortgage Brokerage - Certificate

College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida mortgage broker's license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 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>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 REE 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

Real Estate: Real Estate Brokerage - Certificate

College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Real Estate: Real Estate Appraisal - Certificate

College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate appraiser's license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 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>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 REE 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

Required Courses (15 hrs)
- MAR 3391 Professional Selling 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4303 Real Estate Investment Analysis 3 hrs
- REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Service-Learning - Certificate
Office of Undergraduate Studies
Office of Experiential Learning, Ferrell Commons, Room: 203
http://www.explearning.ucf.edu
A. Zeh, azeh@mail.ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this process. This certificate is open to all undergraduate and graduate students in any major.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- 4 UCF-approved SL courses

Other Requirements
- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

Substitute Teaching - Certificate
College of Education
Department of Educational Studies, Education Building, Room: 220B
http://education.ucf.edu/
E-mail: wwise@mail.ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. The certificate is intended for University students enrolled outside the College of Education and does not lead to
Certificates

teacher certification or admission to the College of Education. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students' major programs. This certificate is available for students in the 2006 catalog year and beyond.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ EDF 2007 Introduction to Substitute Teaching 3 hrs
■ EDF 2250 Classroom Management for Substitute Teachers 3 hrs
■ EDG 2311 Teaching Strategies for Substitute Teachers 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 9

Other Requirements
■ A minimum GPA of 2.5 in all courses
■ No credit by exam (CLEP, Military credit) may be used.
■ At least 6 hours used in the certificate must be earned at UCF.
■ Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

Translation and Interpretation - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 505
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

Certificate Admission Requirements
■ 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
■ 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
■ SPT 3833 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 all courses used to satisfy the certificate.
■ Grades below "C" (2.0) in lower level courses are not accepted.
■ At least 12 hours used in the certificate must be earned at UCF within the Department.
■ No credit by exam (TSD, Military credit) may be used.
■ 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 and Legal Studies,
Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
Mary Ann Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice and Legal Studies, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ CCJ 3667 Victims and the CJ System 3 hrs
■ CCJ 4670 Women and Crime 3 hrs
■ CCJ 4661 Domestic Violence and the Justice System 3 hrs

Restricted Electives
■ Select two of the following:
■ CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs
■ CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
■ CCJ 4664 Juvenile Justice System 3 hrs
■ NJR 4516 Crisis Intervention 3 hrs
■ SDW 4754 Forensic Social Work Theory and Practice 3 hrs
■ SYP 4521 Crime Victims in Society 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the program must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the certificate.
Women’s Studies - Certificate
College of Arts and Humanities
Program in Women’s Studies,
Colbourn Hall, Room: 201H
http://womensstudies.cah.ucf.edu
E-mail: womenst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269

The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is open to both degree-seeking and non degree-seeking students, but should be particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- WST 3015 Introduction to Women’s Studies 3 hrs

Restricted Electives (9 hrs)
- See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option: 3 hrs
- Internship required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women’s issues.

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of “C” or below will not be counted toward the Women’s Studies Minor.
- At least 9 hours used in the certificate must be earned at UCF.
STUDY ABROAD PROGRAMS

International Studies
Director: Angel Cardec; Research Pavilion, Suite 395, P.O. Box 163105, Orlando, FL 32816-3105; 407-882-2300; Fax: 407-882-0240; http://www.international.ucf.edu.

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

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

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

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

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

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Université d'Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jonkoping and Malardalen universities in Sweden; and Northampton University and University of Surrey in the United Kingdom.

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

Aerospace Engineering - Accelerated
Undergraduate-Graduate Program
(B.S.A.E. / M.S.A.E. or M.S.M.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu

Dr. Alain Kassab, kassab@mail.ucf.edu, 407-823-5778
Ms. Waheeda Iliasarie, willasar@mail.ucf.edu, 407-823-5448
Dr. Kuo-Chi (Kurt) Lin, klin@mail.ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

- None

1. UCF General Education Program (GEP) (0 hrs)
   - See Aerospace Engineering major in catalog for GEP requirements.

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)
   - See Aerospace Engineering major in the catalog for the CPP requirements.

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

4. Core Requirements: Advanced Level (54 hrs)
   - EAS 3010 Fundamentals of Aerospace Flight 3 hrs
   - EAS 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 4124 High-Speed Aerodynamics 3 hrs
   - EAS 4200 Flight Structures 3 hrs
   - EAS 4210 Space Structural Dynamics 3 hrs
   - EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs
   - EGM 3601 Solid Mechanics 3 hrs
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3343 Thermodynamics 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
   - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   - EML 4312C Feedback Control 3 hrs
   - STA 3032 Probability and Statistics for Engineers GEP

5. Restricted Electives (9 hrs)
   - Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - 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
- EGN 4412C Interdisciplinary Design I 3 hrs

Select 1:
- EAS 4710C Aerospace Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary

Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be classified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.
Accelerated Undergraduate-Graduate Programs

- The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must complete nine hours of graduate course work to be formally admitted into the master's degree program in communication sciences and disorders. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that.

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.

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: $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://mil.cah.ucf.edu/
E-mail: comdisug@mail.ucf.edu
Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 18 credit hours of graduate-level courses while completing the bachelor's degree. This enables full-time students to achieve a master's degree in one to two fewer semesters.

Admission Requirements
- Completion of the junior year of course work in communication sciences and disorders
- 3.5 GPA or better in courses in the major
- 1000 on the combined verbal and quantitative sections of the Graduate Record Examinations and a score of at least 500 on the verbal section
- Completion of a graduate application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a "B" or better for all 18 credit hours of graduate course work will be formally admitted into the master's program in communication sciences and disorders following receipt of the bachelor's degree

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
   Prefer MGF 1106 Finite Mathematics 3 hrs
   Select 1: STA 2014C Principles of Statistics or 3 hrs
       Suggested STA 2023 Statistical Methods I 3 hrs
   Select 1: STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
   Suggested PSY 212 General Psychology 3 hrs
   Select 1: ECO 2013 Principles of Microeconomics or 3 hrs
       Suggested ECO 2023 Principles of Macroeconomics or 3 hrs
       Suggested POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
   Suggested ECO 2005 Biological Principles 3 hrs
   Select one physical science

2. Common Program Prerequisites (CPP) (0 hrs)
- None

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (50 hrs)
   DEP 2004 Developmental Psychology 3 hrs
   LIN 3713 Language Science 3 hrs
   LIN 3716 Language Development 3 hrs
   LIN 3716L Language Development Lab 2 hrs
   SPA 3011 Speech Science I: Production 3 hrs
   SPA 3015L Speech Production Lab 1 hr
   SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
   SPA 3104 Neural Bases of Communication 3 hrs
   SPA 3112 Basic Phonetics 3 hrs
   SPA 3112L Basic Phonetics Lab 1 hr
   SPA 3123 Speech Science II: Perception 3 hrs
   SPA 3123L Speech Perception Lab 1 hr
   SPA 3471 Communication Disorders in Literature and Media 3 hrs
   SPA 4032 Audiology 3 hrs
   SPA 4321 Audiologic Rehabilitation 3 hrs
   SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs

Select 1:
   EAB 3703 Principles of Behavior Modification or 4 hrs
   EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
   EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
   EXE 4601 Introduction to Behavior Management or 3 hrs
   SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs

Statistics Requirement 6 hrs
- Students have two options in completing this requirement:

   Option 1: STA 2023 Statistical Methods I and 6 hrs
      STA 4163 Statistical Methods II 3 hrs
   Option 2: STA 2014C Principles of Statistics or 3 hrs
      STA 2023 Statistical Methods I 3 hrs

   SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

   1 In the Accelerated Program, students may elect to enroll in SPA 6805 which replaces SPA 4803.

5. Restricted Electives (0 hrs)
- B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college
- B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.
Accelerated Undergraduate-Graduate Programs

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

   Graduation
   - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Electives
   - Select primarily from upper level courses after

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum grade of "B" in all graduate courses.
    - A minimum overall GPA of 3.0 in the courses used to satisfy the major
    - A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- Interested students should contact a faculty advisor

Research Programs
- Early Childhood Education
- Exceptional Student Education
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work

Certificates
- Language Development and Disorders

Related Minors
- Aging Studies
- Communication Sciences and Disorders
- Early Childhood Education
- Exceptional Education
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology

Advising Notes
- None

Transfer Notes
- "D" (1.0) grades are not accepted
- Courses taken at community college do not substitute for Upper Division courses

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- SPA 6204 Articulation/Phonological Disorders 3 hrs
- SPA 6402 Preschool Language Disorders 3 hrs
- SPA 6403 School-Aged Language Disorders 3 hrs
- SPA 6410 Aphasia and Related Disorders 3 hrs
- SPA 6503C Entry-Level Clinical Practicum 3 hrs
- SPA 6805 Research in Communicative Disorders 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oemas.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 - Accelerated Undergraduate-Graduate Program
(B.S.P.E. / M.S.P.E.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Michael Georgioupolos, michaelg@eecs.ucf.edu
Ms. Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - See 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) (0 hrs)
   - See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   - Computer Engineering: Basic Core 2 hrs
     - EGN 1006C Introduction to the Engineering Profession 1 hr
     - EGN 1007C Engineering Concepts and Methods 1 hr
Accelerated Undergraduate-Graduate Programs

4. Core Requirements: Advanced Level (54 hrs)

Courses Required for the Engineering Core
- EGN 3310 Engineering Analysis-Statics (3 hrs)
- STA 3032 Probability and Statistics for Engineers (3 hrs)

Select 1: (3 hrs)
- EGN 332I Engineering Analysis-Dynamics or
- EGN 3358 Thermo-Fluids-Heat Transfer (3 hrs)

Courses Required for the Major (48 hrs)
- COP 3330 Object Oriented Programming (3 hrs)
- COP 3502C Computer Science I (3 hrs)
- COP 3503C Computer Science II (4 hrs)
- COP 4331C Processes for Object-Oriented Software Development (4 hrs)
- COP 4600 Operating Systems (3 hrs)
- EEL 3100C Introduction to Discrete Structures (3 hrs)
- EEE 3307C Digital Systems (3 hrs)
- EEL 3213C Networks and Systems (4 hrs)
- EEL 3801C Computer Organization (3 hrs)
- EEL 4742C Embedded Systems (4 hrs)
- EEL 4768C Computer Architecture (4 hrs)
- EEL 4781 Computer Communication Networks (3 hrs)

5. Restricted Electives (9 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSPE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- EEL 4914 Senior Design I (3 hrs)
- EEL 4915L Senior Design II (3 hrs)

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 152

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Computer Science
- Engineering Leadership
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary

Advising Notes
- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

College of Engineering and Computer Science
School of Electrical Engineering and Computer Science
Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Ron Dutton, dutton@eecs.ucf.edu
Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None
## 1. UCF General Education Program (GEP) (36 hrs)
- See Computer Science major in the catalog for track specific GEP requirements.

### A: Communication Foundations

### B: Cultural & Historical Foundations

### C: Mathematical Foundations

### D: Social Foundations

### E: Science Foundations

## 2. Common Program Prerequisites (CPP) (0 hrs)
- See Computer Science major in the catalog for the CPP requirements.

## 3. Core Requirements: Basic Level (25 hrs)
- A “C” (2.0) or better is required in all courses listed.
- 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</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 3103</td>
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</tr>
<tr>
<td>CIS 3360</td>
<td>3</td>
</tr>
<tr>
<td>COP 3330</td>
<td>3</td>
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<tr>
<td>COP 3402</td>
<td>3</td>
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<td>COP 3502C</td>
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<tr>
<td>ENC 3241</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>3</td>
</tr>
</tbody>
</table>

## 4. Core Requirements: Advanced Level (20 hrs)
- No independent study hours, internship, or cooperative education credits are allowed.
- 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.

### 4000-5000 level mathematics or statistics (6 hrs)
- courses from: STA, MAP, MAA, MAD, MAS prefixes and the following courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313</td>
<td>4</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>3</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>4</td>
</tr>
<tr>
<td>MAS 3106</td>
<td>4</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).

### 5000 level Computer Science courses (9 hrs)

### 4000-5000 level Computer Science courses (6 hrs)

## 6. Capstone Requirements
- None

## 7. Foreign Language Requirements
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

## 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

## 9. Additional Requirements
- None

## 10. Required Minors
- None

## 11. Departmental Exit Requirements
- Complete an exit survey
- Computer Competency met by completion of major

## 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Undergraduate Hours Required
- 120

## Total Combined Hours Required
- 138

## Honors In Major
- None

## Related Programs
- Computer Engineering
- Information Technology

## Certificates
- None

## Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology
- Secure Computing and Networks

## Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

## Transfer Notes
- None

## Acceptable Substitutes for Transfer Courses
- None

## Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

## Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

## Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Accelerated Undergraduate-Graduate Programs

Economics - Accelerated Undergraduate-Graduate Program (B.A. / M.S.)

College of Business Administration
Department of Economics, Business Administration II, Room: 305

http://www.bus.ucf.edu/economics
Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
Phone: 407-823-3266

This program is designed for highly qualified majors in Economics who would like to earn undergraduate and graduate degrees in five rather than six years of full-time course work. The program provides students with specialized training in economics within a broad liberal arts education. A minor from several other colleges can be selected according to the student's personal interests and career goals.

Admission Requirements
- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites
- For admission to graduate courses, students must achieve a minimum 3.25 GPA after completion of 80 credit hours and meet the UCF graduate admission requirements as described in the Graduate Catalog.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Suggested COP 2223 Introduction to Programming with C
     - Prefer SPC 1608 Fundamentals of Oral Communication
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Required STA 2023 Statistical Methods I
     - Select 1:
       - Required MAC 2233 Concepts of Calculus or
       - Required MAC 2311 Calculus with Analytic Geometry I
   - D: Social Foundations (6 hrs)
     - Select 1:
       - Prefer ECO 2013 Principles of Macroeconomics or
       - Prefer ECO 2023 Principles of Microeconomics
     - Select 1:
       - Prefer ANT 2000 General Anthropology or
       - Prefer PSY 2012 General Psychology or
       - Prefer SYG 2000 Introduction to Sociology
   - E: Science Foundations (6 hrs)
     - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
     - ECO 2013 Principles of Macroeconomics
     - ECO 2023 Principles of Microeconomics
   - 3. Core Requirements: Basic Level (0 hrs)
     - None
   - 4. Core Requirements: Advanced Level (16 hrs)
     - Undergraduate Major Courses
       - ECO 3101 Intermediate Microeconomics
       - ECO 3203 Intermediate Macroeconomics
       - ECO 4451 Research Methods in Economics
   - 5. Restricted Electives (3 hrs)
     - Select any other 3000-4000 level economics course
   - 6. Capstone Requirements
     - None
   - 7. Foreign Language Requirements
     - Admissions
       - Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
     - Graduation
       - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literature or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
   - 8. Electives
     - Variable
   - 9. Additional Requirements
     - None
   - 10. Required Minors
     - Completion of a minor in one of the following:
     - Other minors may be selected with prior approval of the Economics Undergraduate Advisor.
     - Computer Science
     - Environmental Studies
     - History
     - Mathematics
     - Political Science
     - Psychology
     - Public Administration
     - Sociology
     - Statistics
   - 11. Departmental Exit Requirements
     - A minimum grade of 3.0 is required for all graduate courses
     - A minimum GPA of 2.5 is required for all courses taken in the major and minor.
     - Computer Competence is met by Research Methods course.
   - 12. University Minimum Exit Requirements
     - A 2.0 UCF GPA
     - 60 semester hours earned after CLEP awarded
     - 48 semester hours of upper division credit completed
     - 30 of the last 39 hours of course work must be completed in residency at UCF
     - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
     - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
Accelerated Undergraduate-Graduate Programs

| Total Semester Hours Required | 135
| Honors In Major | None
| Related Programs | None
| Certificates | None
| Related Minors | None
| Advising Notes | None
| Transfer Notes | Grades below “C” (2.0) are not accepted
| Courses taken at community college do not substitute for Upper Division courses
| Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
| ECO 2013 and 2023 are prerequisites for all subsequent economics courses.
| Acceptable Substitutes for Transfer Courses | None
| Shared Courses | (15 hrs)
| ECO 6118 Microeconomic Theory I 3 hrs
| ECO 6206 Macroeconomic Theory I 3 hrs
| ECO 6403 Mathematical Economics 3 hrs
| ECO 6424 Econometrics I 3 hrs
| ECO 6XXX Economics Elective 3 hrs
| Program Academic Learning Compacts | Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
| Equipment Fees | Part-Time Student: $15 per term
| Full-Time Student: $30 per term
| A: Communication Foundations
| B: Cultural & Historical Foundations
| C: Mathematical Foundations
| D: Social Foundations
| E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)
- See Electrical Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- Engineering Core: Basic
  - EGN 1006C Introduction to the Engineering Profession 1 hr
  - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)
- Engineering Core: Advanced
  - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.
  - EGN 3310 Engineering Analysis-Statics 3 hrs
  - EGN 3420 Engineering Analysis 3 hrs
  - PHY 3101 Physics for Engineers and Scientists III 3 hrs
  - STA 3032 Probability and Statistics for Engineers 3 hrs

Select 1: (3 hrs)
- EGN 3321 Engineering Analysis-Dynamics
- EGN 3358 Thermo-Fluids-Heat Transfer

Courses Required for the Major (41 hrs)
- EEE 3307C Electronics I 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEE 4309C Electronics II 4 hrs
- EEL 3004 Electrical Networks 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EEL 3801C Computer Organization 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs

5. Restricted Electives (10 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None
### Accelerated Undergraduate-Graduate Programs

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Undergraduate Hours Required
- 128

#### Total Combined Hours Required
- 146

#### Honors in Major
- None

#### Related Programs
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

#### Certificates
- None

#### Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

#### Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
  - Undergraduate students are not eligible to take 6000-level courses

#### Transfer Notes
- None

#### Acceptable Substitutes for Transfer Courses
- None

#### Shared Courses
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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### History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

**College of Arts and Humanities**

Department of History, Colbourn Hall, Room: 551
[http://www.history.cah.ucf.edu/](http://www.history.cah.ucf.edu/)

E-mail: Graduate program: hisgrad@mail.ucf.edu
E-mail: Undergraduate program: history@mail.ucf.edu

Dr. Rosalind Beiler, 407-823-2225
Phone: 407-823-2224

Purpose of this degree - This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master’s degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

#### Admission Requirements
- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- A 3.5 GPA or better in history courses and a 3.25 overall GPA or better.
- Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section.
- Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History Department.
- Students will be formally admitted to the master’s program following receipt of the B.A. degree.

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000-level courses to meet this requirement.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. **UCF General Education Program (GEP)** (36 hrs)
   - See the History major in this catalog for track specific GEP requirements

#### A: Communication Foundations
- AMH 1010  U.S. History: 1492-1877  GEP
- AMH 1020  U.S. History: 1877-Present  GEP

#### B: Cultural & Historical Foundations
- None

#### C: Mathematical Foundations
- None

#### D: Social Foundations
- None

#### E: Science Foundations
- None

2. **Common Program Prerequisites (CPP)** (0 hrs)
   - These Common Program Prerequisites are part of the requirements for entering the major.

#### 1 See Transfer Notes for possible substitutes
Accelerated Undergraduate-Graduate Programs

3. Core Requirements: Basic Level (6 hrs)
Select one of the following sequences of courses:
- EUH 2000 Western Civilization I and EUH 2001 Western Civilization II 3 hrs
- or WOH 2012 World Civilization I and WOH 2022 World Civilization II 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
- HIS 4150 History and Historians 3 hrs

5. Restricted Electives (21 hrs)
- (Must be taken within the History Department)
Select six hours of approved history courses within three of the four geographic regions:
- Asian, African, and Middle Eastern
- British and European
- Latin American
- U.S. and Canadian
Select three hours of approved history courses 3 hrs
- Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
Graduate Degree Requirements
- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
- Students need to pay fees at the graduate rate for the graduate courses they take.

Schedule for students enrolled full-time in the accelerated program:
- Students complete nine hours of graduate-level courses their senior year.
- Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
- Students complete and defend a master’s thesis in six hours.

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 3.5 in upper division required courses attempted.
- Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Students must complete at least 18 of the required 36 history hours at UCF.
- Computer competency met by completion of the major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 120

Total Combined Hours Required
- 147

Honors In Major
- None

Related Programs
- Humanities

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm
Accelerated Undergraduate-Graduate Programs

Industrial Engineering - Accelerated
Undergraduate-Graduate Program
(B.S.I.E. / M.S.I.E.)

College of Engineering and Computer Science
Department of Industrial Engineering and Management
Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/

Dr. William Thompson, wthompson@mail.ucf.edu, 407-823-2636
Phone: 407-823-2204

Admission Requirements

- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the junior year
- Admission is not automatic. Interested students may need to be interviewed

Degree Requirements

1. UCF General Education Program (GEP) (38 hrs)
   - See Industrial Engineering major is the Catalog for track specific GEP requirements.

   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (7 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (0 hrs)
   Industrial Engineering Core: Basic 2 hrs
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum of 2.25 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.
   EGN 1006C Introduction to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (58 hrs)
   Industrial Engineering Core: Advanced 15 hrs
   COP 3223 Introduction to Programming with C 3 hrs
   EGN 3310 Engineering Analysis-Statics 3 hrs
   EGN 3321 Engineering Analysis-Dynamics 3 hrs
   EGN 3373 Principles of Electrical Engineering 3 hrs
   Select 1: 3 hrs
   EGN 3343 Thermodynamics or
   EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 43 hrs

- Graduate courses used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A “C” (2.0) or better is required in all courses listed.

EIN 3313 Engineering Economic Analysis 2 hrs
EIN 2000 Introduction to Industrial Engineering and Management Systems 2 hrs
EIN 3314C Work Measurement & Design 3 hrs
EIN 3354 Principles of Cost Engineering 3 hrs
EIN 4233 Human Engineering 3 hrs
EIN 4335 Production and Distribution Systems 3 hrs
EIN 4364C Industrial Facilities Planning and Design 3 hrs
EIN 4381C Manufacturing Engineering 3 hrs
EIN 4517 Systems Engineering 3 hrs
EIN 5108 The Environment of Technical Organizations 3 hrs
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
ESI 4234 Quality Engineering 3 hrs
ESI 4628C Industrial Engineering Applications of Computers 3 hrs
ESI 5306 Operations Research 3 hrs
ESI 5531 Discrete Systems Simulation 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

5. Restricted Electives (3 hrs)
   - Technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
128

Total Combined Hours Required
146

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.
## Accelerated Undergraduate-Graduate Programs

**University of Central Florida**

### Mechanical Engineering - Accelerated Undergraduate-Graduate Program

**(B.S. / M.S.M.E., M.S.M.S.E., or M.S.A.E.)**

- **College of Engineering and Computer Science**
- **Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307**

**http://www.mmae.ucf.edu**

Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Dr. Alain Kassab, kassab@mail.ucf.edu
Dr. Kuo-Chi (Kurt) Lin, klin@mail.ucf.edu, 407-823-0137
Phone: 407-823-2416

### Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

### Degree Requirements

- None

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

- See Mechanical Engineering major in the Catalog for track specific GEP requirements.

#### A: Communication Foundations (9 hrs)
- EGN 1006C Introduction to the Engineering Profession
- EGN 1007C Engineering Concepts and Methods

#### B: Cultural & Historical Foundations (9 hrs)
- EML 3101 Thermodynamics of Mechanical Systems
- EML 4145 Topics in Heat Transfer and
- EML 4221C Mechanical Systems Experimental Techniques and

#### C: Mathematical Foundations (7 hrs)
- EML 4304C Design of Thermo-Fluid Experiment and
- EML 4703 Fluid Mechanics II and

#### D: Social Foundations (6 hrs)
- EML 4312C Feedback Control
- EML 4535C CAD/CAM

#### E: Science Foundations (7 hrs)
- STA 3032 Probability and Statistics for Engineers

### 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
- EGN 1007C Engineering Concepts and Methods

### 4. Core Requirements: Advanced Level (65 hrs)

- EGM 3601 Solid Mechanics
- EGN 3310 Engineering Analysis-Statics
- EGN 3321 Engineering Analysis-Dynamics
- EGN 3343 Thermodynamics
- EGN 3365 Structure and Properties of Materials
- EGN 3365 Structure and Properties of Materials
- EGN 3373 Principles of Electrical Engineering
- EML 3094C Modeling Methods in Mechanical and
- EML 3303C Mechanical Engineering Measurements
- EML 3500 Machine Design and Analysis
- EML 3701 Fluid Mechanics I
- EML 4142 Heat Transfer
- EML 4220 Vibration Analysis
- EML 4312C Feedback Control
- EML 4535C CAD/CAM
- STA 3032 Probability and Statistics for Engineers

### 5. Required Minors

- None

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- None

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 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

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  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 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

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 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

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 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

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 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

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 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

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Accelerated Undergraduate-Graduate Programs

11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:
- EGN 4412C Interdisciplinary Design I or EML 4501C Engineering Design I 3 hrs

Select 1:
- EGN 4413C Interdisciplinary Design II or EML 4502C Engineering 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, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

Career and Academic Advising
- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
  - EML 3990 - Mechanical Career and Academic Faculty Advising I 0 hrs
  - EML 4991 - Mechanical Career and Academic Faculty Advising II 0 hrs

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- Shared B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E. Up to 12 credit hours of approved 5000 and 6000 level courses with grades of "B" (3.0) or better may be counted towards the B.S. and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Molecular Biology and Microbiology - UCF/USF Accelerated Medical School (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology,

Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu

E-mail: bcbsinfo@mail.ucf.edu

Dr. P.E. Kolattukudy, Chair

Phone: 407-823-5932

Students seeking admission to University of South Florida College of Medicine [USFCOM] through the accelerated program will meet all USFCOM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of the first year of the medical school curriculum.

Admission Requirements
- Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include FL residency, unweighted high school GPA of 3.7 and SAT score of 1300 or ACT of 29. More information about the admission process can be found at http://www.honors.ucf.edu and in catalog: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a departmental advisor and the Burnett Honors College advisor.
- Grades below a C- (1.75) in the life sciences will not be accepted for students who decelerate.

1. UCF General Education Program (GEP) (36 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101H Honors Freshman Composition I 3 hrs
- Required ENC 1102H Honors Freshman Composition II 3 hrs
- Prefer SPC 1003H Honors Freshman Composition I 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (9 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I GEP
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I GEP
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2311 Calculus with Analytic Geometry I GEP
Select one of the following sequences of courses:

PHY 2053C  College Physics I and  
PHY 2054C  College Physics II  4 hrs

or

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

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level  (10 hrs)

Life Sciences: Basic
SLS 2311C  Overview of Select Medical Careers  2 hrs

Math, Calculus and Statistics
MAC 2311  Calculus with Analytic Geometry I  GEP
STA 2023  Statistical Methods I  GEP

Chemistry
Take all of the following:  8 hrs
CHM 2210  Organic Chemistry I and  
CHM 2211  Organic Chemistry II and  3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs

4. Core Requirements: Advanced Level  (0 hrs)

Students must select at least two honors sections of upper division core requirements or restricted electives, and a total of four lower division courses in honors.

Life Sciences: Advanced  26 hrs
BSC 3403C  Quantitative Biological Methods  4 hrs
MCB 3020C  General Microbiology  5 hrs
MCB 4912  Directed Independent Research  3 hrs
MCB 4941  Internship  1 hr
PCB 3233L  Immunology Laboratory  1 hr
PCB 3522  Molecular Biology I  3 hrs
PCB 4239  Molecular Immunology  3 hrs
PCB 4524  Molecular Biology II  3 hrs

Chemistry
BCH 4053  Biochemistry I  3 hrs

5. Restricted Electives  (8 hrs)

Five restricted electives satisfied by first year medical school
PCB 3703C  Human Physiology  4 hrs
ZOO 3733C  Human Anatomy  4 hrs

Students decelerating to the 4 year B.S. program must take the following additional courses:
MCB 4414  Microbial Metabolism  3 hrs
4 additional Upper Division Restricted Electives listed under Molecular Biology and Microbiology B.S. (minimum)

6. Capstone Requirements

None

7. Foreign Language Requirements

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

Graduation
None

8. Electives
None

9. Additional Requirements

Additional USF/UCF Advanced Requirements
IDH 1921H  Honors Symposium II  2 hrs

Select 1:  3 hrs
ENC 3241  Writing for the Technical Professional or  
ENC 3241H  Honors Writing for the Technical Professional  3 hrs

Select 1:  3 hrs
PAF 3753H  Honors Ethical Issues in Health and Public Affairs or  
PHI 4633H  Honors Ethics and Biological Science  3 hrs

10. Required Minors

None

11. Departmental Exit Requirements
For decelerated program, the student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.

For accelerated program the degree is awarded after successful completion of first year USF Medical School program.

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  120

Honors in Major
None

Related Programs
Biology
Interdisciplinary Studies

Certificates
None

Related Minors
Biology
Chemistry

Advising Notes
None

Transfer Notes
None

Acceptable Substitutes for Transfer Courses
Acceptable substitutes for common program prerequisites if taken prior to transferring to UCF:
BSC 2011C  Biology II  4 hrs
may be substituted with: BSC 3403C
CHM 2045C  Chemistry Fundamentals I  4 hrs
may be substituted with: CHM 2040C
CHM 2045C  Chemistry Fundamentals II  4 hrs
may be substituted with: CHM 2041C

None

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $39 per term
Full-Time Student: $78 per term
Nursing - Accelerated Second Degree B.S.N. Option  
(B.S.N.)  
College of Nursing  
HPA-1, Room: 220  
http://www.nursing.ucf.edu  
E-mail: ucfnurse@mail.ucf.edu  
Dr. Jean Leuner, Dean  
Dr. Linda Hennig, Assoc. Dean Undergraduate  
Ms. Patricia Leil, Undergraduate Coordinator  
Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements  
■ Acceptance to the university does not constitute admission to the upper division nursing program.  
■ Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu/.  
■ Application to the university must also be submitted by the program application deadline.  
■ Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.  
■ Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar’s Office. These students complete the “Readmission Application” form.  
■ Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.  
■ All applicants must have a minimum overall GPA of 3.0.  
■ All applicants must complete a mandatory accelerated second degree program information session, online or in person, prior to submitting the application.  
■ Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.  
■ A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.  
■ At least seven (7) of the nine (9) common program prerequisites must be completed by the program application deadline. This includes (Chemistry with Lab, at least 2 other courses from Group A and the remainder from Groups A or B.  

Chemistry with Lab  
■ required with grade of B- or better.  

Group A  
■ grade of B- 92.75) or better  
Microbiology with Lab  4 hrs  
Anatomy with Lab  4 hrs  
Physiology with Lab (or A&P I, II)  4 hrs

Group B  
■ grade of C or better  
Sociology  3 hrs  
Psychology  3 hrs  
Developmental Psychology  3 hrs  
Human Nutrition  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)  (0 hrs)  
A: Communication Foundations  
B: Cultural & Historical Foundations  
C: Mathematical Foundations  
D: Social Foundations  
E: Science Foundations

2. Common Program Prerequisites (CPP) (31 hrs)  
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.  
1 CHM 1032 General Chemistry  3 hrs  
1 CHM 1032L General Chemistry Laboratory  1 hr  
1 HUN 3011 Human Nutrition  3 hrs  
1 MCB 2004C Microbiology for Health Professionals  4 hrs  
1 PCB 3703C Human Physiology  4 hrs  
PSY 2012 General Psychology  3 hrs  
SYG 2000 Introduction to Sociology  3 hrs  
1 ZOO 3733C Human Anatomy  4 hrs

Select 1:  3 hrs  
1 STA 2014C Principles of Statistics or  3 hrs  
STA 2023 Statistical Methods I  3 hrs

Select 1:  3 hrs  
1 DEP 2004 Developmental Psychology or  3 hrs  
1 SOW 3104 Assessing I: Human Development  3 hrs  
1 science prerequisite

3. Core Requirements: Basic Level  (0 hrs)  
■ None

4. Core Requirements: Advanced Level  (57 hrs)  
■ Any variation from the following must be approved by the College of Nursing.  
■ Students may petition to waive elective requirement.

NUR 3065 Health Assessment  2 hrs  
NUR 3065L Health Assessment Lab  1 hr  
NUR 3125 Pathophysiology for Nursing Practice  3 hrs  
NUR 3145 Pharmacology for Nursing Practice  3 hrs  
1 NUR 3167 Accelerated Nursing Research Seminar  1 hr  
NUR 3225 Nursing Care of the Adult I  3 hrs  
NUR 3225L Nursing Care of the Adult I: Clinical Practice  2 hrs  
NUR 3345 Nursing Care of Families  3 hrs  
NUR 3445L Nursing Care of Families Clinical  2 hrs  
NUR 3634 Community Health Nursing  3 hrs  
NUR 3634L Community Health Nursing Clinical  2 hrs  
NUR 3755L Essentials of Nursing Practice Clinical  2 hrs  
NUR 3825 The Role of the Professional Nurse  2 hrs  
NUR 4227 Nursing Care of the Adult II  4 hrs

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UNIVERSITY OF CENTRAL FLORIDA  
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Accelerated Undergraduate-Graduate Programs

57

1 Students without a research course on transcript must take NUR 3165 (3 hrs)

Total Semester Hours Required

57

Honors in Major

University Honors and Honors in the Major Available

Related Programs

Health Services Administration
Social Work

Certificates

None

Related Minors

Aging Studies
Health Sciences
Health Services Administration
Psychology

Advising Notes

None

Transfer Notes

General Psychology (PSY X012) or any General Psychology course (3 hrs)
General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
Statistics (STA 2014C or 2023)
General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab) (4hrs)
Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086). This is a biological science prerequisite. (6-8 hrs)
General Microbiology (MCB 3020C) or (MCB X010C) w/lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course (3 hrs)
Human Nutrition with Therapeutic Nutrition course (3 hrs)

Acceptable Substitutes for Transfer Courses

None

Shared Courses

None

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

Part-Time Student: $24 per term
Full-Time Student: $50 per term

Nursing - R.N. to M.S.N. Option (B.S.N. / M.S.N.)

College of Nursing

HPA-1, Room: 220

http://www.nursing.ucf.edu/

E-mail: ucfnurse@mail.ucf.edu

Ms. Barbara Lange, RN to MSN Coordinator
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate

Phone: 407-823-2744

An accelerated program for students who hold an RN license and meet general education requirements, nursing pre-requisites, and required GPA.

Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nurse Educator. Nine (9) graduate credit hours may be applied meeting requirements of both BSN and MSN programs.

Admission Requirements

Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at http://www.nursing.ucf.edu for application materials.

All applicants must meet the following criteria:

Graduate of a state-approved or accredited associate degree or diploma nursing program
Licensure as a Registered Nurse (RN)
Completion of UCF general education requirements or an AA degree from a Florida community or state college, including CLAS (or exempt)
Completion of pre-requisites for the RN to BSN nursing program
Minimum cumulative GPA of 2.0 (all prior college coursework)
Admitted to UCF undergraduate program
Accelerated Undergraduate-Graduate Programs

- Two professional references addressing qualifications and ability to succeed in graduate school
- Resume
- Letter of Intent/Goal statement
- 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.

Interim Requirements:
- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Program Phase:
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies Web site for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- An updated resume

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities
- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements
- The MSN is awarded after program completion
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours
- An individualized plan of study is developed for each student admitted to the RN to MSN option.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1508 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer MAC 1105 College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MAC 1105 College Algebra 3 hrs
- Required STA 2023 Statistical Methods I GEP 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs
- Required PSY 2012 General Psychology or
- Required SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs
- Required ECO 2013 Principles of Macroeconomics or
- Required ECO 2023 Principles of Microeconomics or
- Required POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements, but BOTH are required nursing program prerequisites.

E: Science Foundations (6 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs
- Required CHM 1032L General Chemistry Laboratory 1 hr

1 Science Foundation is 6 credit hours for General Education Program; however, the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab or its equivalent. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (CPP) (22 hrs)

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

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CHM 1032</td>
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<td>CHM 1032L</td>
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<tr>
<td>HUN 3011</td>
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<tr>
<td>MCB 2004C</td>
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<tr>
<td>PCB 3703C</td>
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<tr>
<td>PSY 2012</td>
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<tr>
<td>SYG 2000</td>
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<tr>
<td>ZDO 3733C</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs
- STA 2014 Principles of Statistics or
- STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
- DEP 2004 Developmental Psychology or
- SOW 3104 Assessing I: Human Development

1 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. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (30 hrs)

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>NUR 3163</td>
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<td>NUR 3634</td>
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<td>NUR 3805</td>
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<tr>
<td>NUR 4604L</td>
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<td>NUR 4637</td>
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<td>NUR 4837</td>
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<td>NUR 4828</td>
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</table>

NURSE EDUCATOR / CLINICAL NURSE LEADER TRACKS

12 hrs

- Take the following 12 credits (nine graduate credits also applied to MSN)
- Takes the following 12 credits (nine graduate credits also applied to MSN)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>NGR 5003</td>
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<td>NGR 5003L</td>
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<td>NGR 5141</td>
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<tr>
<td>NGR 5638</td>
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<td>NUR 4828</td>
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</tbody>
</table>

NURSING LEADERSHIP & MANAGEMENT TRACK

12 hrs

- Takes the following 12 credits (nine graduate credits also applied to MSN)

<table>
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<tr>
<th>Course</th>
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<tr>
<td>NGR 5720</td>
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<td>NGR 5800</td>
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<td>NGR 5871</td>
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<td>NUR 3065</td>
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<tr>
<td>NUR 3065L</td>
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5. Restricted Electives (27 hrs)

Upper Division Credit

- May be met by validation

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<th>Course</th>
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<tbody>
<tr>
<td>NUR 3028</td>
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<tr>
<td>NUR 3028L</td>
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<tr>
<td>NUR 3225L</td>
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<td>NUR 3445</td>
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<td>NUR 3445L</td>
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<tr>
<td>NUR 3755L</td>
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<td>NUR 4227</td>
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<td>NUR 4227L</td>
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</tbody>
</table>

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Accelerated Undergraduate-Graduate Programs

NUR 4535  Psychiatric Mental Health Nursing  3 hrs
NUR 4535L Psychiatric Mental Health Clinical  2 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

   Graduation
- None

8. Electives
- Variable to meet degree requirements.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “B” (3.0) or better
- Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Health Services Administration

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oelas.ucf.edu/alc/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 Community College with an A.S. degree in one of the following five programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the statewide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later. (Fall 2003 or later for Criminal Justice) from a Florida public community or state college.
2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 community college A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.
3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.
4. Students should write on the front of their application for admission to UCF, “A.S. - B.A./B.S.” or select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.
5. Students have the option of completing the state approved general education program at a Florida Community or State College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.

A. Applied Science - A.S. to B.S. Track (B.A.S.)
B. Office of Undergraduate Studies
C. Office of Interdisciplinary Studies,
D. 12201 Research Parkway, Room: Suite 101
E. http://www.regionalcampuses.ucf.edu/
F. Helen Hill, Director of Regional Campuses, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making.

The University of Central Florida offers five specialized degree programs for students who have graduated from a Florida Community College with an A.S. degree in the following areas:

1. Technology, Business Administration, Hospitality Management, and Nursing.
2. A.S. to B.S. programs have slightly different requirements.
3. Students must meet all of UCF’s current course requirements.
4. Students may not be transient in their last 30 of 39 hours at UCF.

A. Applied Science - A.S. to B.S. Track (B.A.S.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies,
12201 Research Parkway, Room: Suite 101
http://www.regionalcampuses.ucf.edu/
Helen Hill, Director of Regional Campuses, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making.

Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida state or community college or state university and must request an official transcript with “general education requirements met” on the transcript 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.

If students wish to take an upper division course at the main Orlando campus, they should see a Regional Campus academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-4547.

Completion program only for individuals who have a statewide articulated A.S. from a Florida public state or community college.

Admission Requirements

- Completion of an A.S. degree from a Florida public state or community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including CLAS, Gordon Rule, Foreign Language Admission and General Education.

1. UCF General Education Program (GEP) (36 hrs)
   - Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:

   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
   - None

3. Core Requirements: Basic Level (10 hrs)
   - MAN 3025 Management of Organizations (4 hrs)
   - Select 1: BUL 3130 Legal and Ethical Environment of Business or PLA 3014 Law and the Legal System (4 hrs)
   - Select 1: ENC 3250 Writing for the Technical Professional or ENC 3250 Professional Writing (3 hrs)

4. Core Requirements: Advanced Level (0 hrs)
   - None

5. Restricted Electives (0 hrs)
   - Area of Concentration (Choose one)
   - All tracks are not available at all locations.
### Supervision and Administration Track
- **20 hrs**

#### Take all of the following: **20 hrs**
- AC 3082: Accounting for Non-Business Majors and
- INP 3004: Industrial/Organizational Psychology and
- ISM 3011C: Essentials of Management Information Systems and
- MAN 3302: Essentials of Human Resource Management for Non-Business Majors and
- MAN 3354: Employee Training for Non-Business Majors and
- MAR 3023: Marketing

Students are strongly urged to complete STA 2023 within the general education program.

#### Industrial Operations Track
- **21 hrs**

- Students are strongly urged to complete STA 2023 within the general education program.

#### Take all of the following: **21 hrs**
- CET 3010: Introduction to Information Technology and
- ETI 3116: Applied Engineering Quality Assurance and
- ETI 3671: Technical Economic Analysis and
- ETI 4186: Applied Reliability and
- ETI 4448: Applied Project Management and
- EIT 4635: Technical Administration and
- EIT 4640: Operations Management for Technologists

#### Criminal Justice Track
- **18 hrs**

- CCJ 3014: Crime in America
- CCJ 3024: Criminal Justice System

- Select 2: **6 hrs**
  - CJC 3010: Corrections and Penology or
  - CJE 4014: Police and Society or
  - CJL 3510: Prosecution and Adjudication

Six additional hours of CCJ, CJC, CJE, CJL, or CJT courses, selected with the aid of an academic advisor

#### Legal Studies Track
- **18 hrs**

#### Take all of the following: **6 hrs**
- PLA 3014: Law and the Legal System and
- PLA 3108: Legal Research

- Select 4: **12 hrs**
  - PLA 3155: Legal Writing or
  - PLA 3205: Civil Practice and Procedure or
  - PLA 3277: The Law of Torts or
  - PLA 3309: Criminal Procedure or
  - PLA 4424: The Law of Contracts or
  - PLA 4703: Professional Ethics and Liability

#### Health Services Administration
- **18 hrs**

- Select 1: **3 hrs**
  - HIM 4508C: Quality Management or
  - HSA 4109: Principles of Managed Care or
  - HSA 4502: Risk Management Systems or
  - HSA 4702: Health Sciences Research Methods or
  - HSC 4652: Health Law and Ethics

- 1 HSA 3111 is a prerequisite for all of the following classes
- 2 PR: CGS 2100C
- 3 PR: STA 2014C or STA 2023

### Information Technology Track
- **21 hrs**

- Students are strongly urged to complete STA 2023 within the general education program.

#### Take all of the following: **24 hrs**
- CET 2364: Systems Applications in C/C++ and
- CET 3383: Applied Systems Analysis I and
- CET 3679: Intro to Telephony and
- CET 4427: Applied Database I and
- CET 4663: Computer and Network Security and
- CET 4748: Wide Area Networks I and
- CET 4749: Wide Area Networks II and
- EIT 4448: Applied Project Management

1 PR: MAC 1105

### Early Childhood Education Track
- **21 hrs**

#### Take all of the following: **27 hrs**
- CET 4663: Computer and Network Security and
- CET 4749: Wide Area Networks II and
- EEC 3700: Social and Emotional Development of Young Children and
- EEC 4268: Curriculum Activities in Early Childhood and
- EEC 4604: Classroom Management and Guidance of Young Children and
- EEX 3450: Young Children With Special Needs and
- EEX 4751: Parent Involvement in Education and
- RED 3310: Early Reading, Writing and Language Arts and
- TSL 4080: Theory and Practice of Teaching ESOL

Students in Schools

1 PR: EEC 3700

### 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- None
Statewide Articulated A.S. To B.S. Programs

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Students have the option of completing the state approved general education program at a Florida state or community college or state university and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.
- Courses taken at community colleges do not substitute for upper division courses.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.
- All students seeking a baccalaureate degree from State of Florida Institution are required to satisfy the CLAS requirement. Transfer students with more than 60 semester hours who have not met the CLAS requirement may be admitted, but they must satisfy the CLAS requirement during their first semester at UCF.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Criminal Justice - A.S. to B.S. Track (B.S.)

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311
http://www.cohipa.ucf.edu/crim.jus/
E-mail: cjadvise@mail.ucf.edu

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public state or community college

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- The courses designated in section 1 below may be taken at a Florida community college
- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives

1. UCF General Education Program (GEP) (36 hrs)
- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)
- Completed as part of the approved A.S. program
- See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (18 hrs)
- CCJ 3024 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- CCJ 3010 Corrections and Penology 3 hrs
- CJE 4014 Police and Society 3 hrs
- CJC 3010 Prosecution and Adjudication 3 hrs

5. Restricted Electives (30 hrs)
- 27 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
- 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 130
Statewide Articulated A.S. To B.S. Programs

<table>
<thead>
<tr>
<th>Honors In Major</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Related Programs</td>
<td>Legal Studies</td>
</tr>
<tr>
<td>Certificates</td>
<td>None</td>
</tr>
<tr>
<td>Related Minors</td>
<td>Legal Studies, Psychology, Public Administration</td>
</tr>
<tr>
<td>Advising Notes</td>
<td>None</td>
</tr>
<tr>
<td>Transfer Notes</td>
<td>None</td>
</tr>
</tbody>
</table>

### 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](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**

Completion program only for individuals who have statewide articulated A.S. from a Florida public state or community college.

#### Admission Requirements
- Completion of a Statewide Articulated A.S. in Business Administration from a Florida public state or community college which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

#### Degree Requirements
- Must complete all Gordon Rule and CLAS requirements prior to admission to this degree.
- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be 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:

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
</tr>
</thead>
</table>

#### 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 3 hrs |
| STA 2023 | Statistical Methods I 3 hrs |

#### 3. Core Requirements: Basic Level (0 hrs)
- None

#### 4. Core Requirements: Advanced Level (32 hrs)
- First of subsequent semester in the College of Business Administration:

| BUL 3130 | Legal and Ethical Environment of Business 4 hrs |
| ECO 3411 | Quantitative Business Tools II 4 hrs |
| FIN 3403C | Business Finance 4 hrs |
| GEB 3031 | Cornerstone: Professional Skills for Business 3 hrs |
| GEB 3031L | Cornerstone Lab: Professional Skills for Business 1 hr |
| GEB 3375 | Introduction to International Business 4 hrs |
| ISM 3011C | Essentials of Management Information Systems 4 hrs |
| MAN 3025 | Management of Organizations 4 hrs |
| MAR 3023 | Marketing 4 hrs |

#### 5. Restricted Electives (15 hrs)
- Students must take one course from each of the following areas. These five courses are restricted to the courses listed below.
- At least two of the following courses must be at the 4000 level.

<table>
<thead>
<tr>
<th>Finance</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3303</td>
</tr>
<tr>
<td>FIN 3414</td>
</tr>
<tr>
<td>FIN 3504</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3113</td>
</tr>
<tr>
<td>GEB 4435</td>
</tr>
<tr>
<td>MAN 3301</td>
</tr>
<tr>
<td>MAN 4240</td>
</tr>
<tr>
<td>MAN 4441</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Management Information Systems (MIS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISM 3253</td>
</tr>
<tr>
<td>ISM 4153C</td>
</tr>
<tr>
<td>ISM 4154</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Marketing</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3403</td>
</tr>
<tr>
<td>MAR 3613</td>
</tr>
<tr>
<td>MAR 4156</td>
</tr>
<tr>
<td>MAR 4841</td>
</tr>
</tbody>
</table>
Statewide Articulated A.S. To B.S. Programs

Economics 9 hrs
- ECO 4703 is required. ECP 3203 and ECP 3223 are restricted electives only. With permission of an Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. This substitution must be petitioned and have written approval.
  - ECO 3223 Money and Banking and 3 hrs
  - ECP 3203 Labor Economics and 3 hrs
  - ECP 4703 Managerial Economics 3 hrs

A.S. Transfer Courses
- Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

6. Capstone Requirements (4 hrs)
  - MAN 4720 Strategic Management 4 hrs
- This course should be taken in the graduating term and requires the following prerequisites:
  - FIN 3403C Business Finance 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3203 Marketing 4 hrs

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

Graduation
- None

8. Electives
- Must be outside of the College of Business (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 132

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Hospitality Management - A.S. to B.S. Track (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819
E-mail: hospitality@mail.ucf.edu
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida public state or community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study

Degree Requirements
- None

1. UCF General Education Program (GEP) (18 hrs)
- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
  - A: Communication Foundations
  - B: Cultural & Historical Foundations
  - C: Mathematical Foundations
Statewide Articulated A.S. To B.S. Programs

### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select 1:**
- CGS 2100C  Computer Fundamentals for Business or STA 2023  Statistical Methods I

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3263</td>
<td>Restaurant Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3933</td>
<td>Distinguished Lectures in Hospitality Management</td>
<td>1</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (27 hrs)

**Hospitality Management Core (27 hrs)**

- HFT 3431  Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540  Guest Services Management I 3 hrs
- HFT 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 1 hr
- HFT 4944  Practicum 1 hr

**Select 3**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3263</td>
<td>Restaurant Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3273</td>
<td>Principles of Resort Timesharing or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3700</td>
<td>Tourism Management or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4277</td>
<td>Yacht, Country, And City Club Management or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4755</td>
<td>Theme Park and Attraction Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Guest Lecture**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3933</td>
<td>Distinguished Lectures in Hospitality Management</td>
<td>1</td>
</tr>
</tbody>
</table>

1. See Program Advisor for Options

#### 5. Restricted Electives (15 hrs)
- Students should select one of the following options to fulfill their restricted electives requirement:

**Restricted Electives (15 hrs)**

- Students must take 15 credit hours (five courses) of Hospitality Management courses in the restricted electives of the other two degree programs (Restaurant and Foodservice Management B.S. and/or Event Management B.S.) offered by the Rosen College.

**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)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3784</td>
<td>Amusement Technology or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4758</td>
<td>Contemporary Issues in the Theme Park and Attraction Industry or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3</td>
</tr>
</tbody>
</table>

**Golf and Club Management Track (15 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1350</td>
<td>Career &amp; Promotional Development in Golf or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 1356</td>
<td>Concepts and Practices of Golf Associations or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 2359</td>
<td>Design &amp; Maintenance of Golf Equipment or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3353</td>
<td>Golf Planning &amp; Operations I or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Management or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3355</td>
<td>Golf Planning &amp; Operations II or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>Golf Event Operations or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3384</td>
<td>Golf and Club Enterprises Management or</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4358</td>
<td>Golf Course Facility Design</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

**Guest Lecture**

- 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

**Total Semester Hours Required**

- 124

**Honors In Major**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- None

**Transfer Notes**
- Florida public state or community college students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
Statewide Articulated A.S. To B.S. Programs

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Substitution</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting (3 hrs) may be substituted with: ACG X001</td>
</tr>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting (3 hrs) may be substituted with: ACG X011</td>
</tr>
</tbody>
</table>

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/atc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Nursing - A.S. to B.S.N. Track (B.S.N.)

College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
Ms. Barbara Lange, RN-BSN Coordinator
Phone: 407-823-2744

Completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida state or public community college. (12/2000 or later)

Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
  - A minimum overall undergraduate GPA of 2.5
  - Completion of a Statewide Articulated AS in Nursing from a Florida public state or community college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later).
  - Individuals who received AS prior to 12/00 or attended school other than a Florida public community or state college should complete those courses prior to their last 30 hours at UCF.
  - Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

Degree Requirements

- Completion of all common program prerequisite courses with at least a grade of “C” (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida community or state college or other universities and should usually be completed in the first 60 hours

- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program
- UCF Residency Requirement: 32 hours

1. UCF General Education Program (GEP) (36 hrs)
- Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college must complete those courses prior to their last 30 hours at UCF.

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>Required ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>Required SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required STA 2014C</td>
<td>Principles of Statistics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>Required STA 2014C</td>
<td>Principles of Statistics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>Required SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required BSC 2010C</td>
<td>Biology I</td>
</tr>
</tbody>
</table>

Select one of the following sequences of courses:

- Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. BSC 2010C is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

| Required SYG 2000 | Introduction to Sociology |
| Required ENC 1101 | Composition I |
| Required ENC 1102 | Composition II |
| Required SPC 1608 | Fundamentals of Oral Communication |
| Required STA 2014C | Principles of Statistics |
| CHM 1032 | General Chemistry |
| CHM 1032L | General Chemistry Laboratory |
| Suggested CHM 1032 | General Chemistry |
| Suggested CHM 1032L | General Chemistry Laboratory |

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

Select 1:

| Required DEP 2004 | Developmental Psychology |
| Required SOW 3104 | Assessing I: Human Development |

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 2004</td>
<td>Developmental Psychology</td>
</tr>
<tr>
<td>SOW 3104</td>
<td>Assessing I: Human Development</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Core Requirements: Basic Level</th>
<th>(0 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>
4. Core Requirements: Advanced Level (51 hrs)

**UCF Core**
- NUR 3065: Health Assessment 2 hrs
- NUR 3065L: Health Assessment Lab 1 hr
- NUR 3165: Nursing Research 3 hrs
- NUR 3634: Community Health Nursing 3 hrs
- NUR 3805: Dimensions of Professional Nursing Practice 3 hrs
- NUR 4604L: Practicum in Community and Public Health for RNs 4 hrs
- NUR 4637: Public Health Nursing 2 hrs
- NUR 4828: Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4837: Health Care Issues, Policy, and Economics 3 hrs

**Upper Division Credit** 27 hrs
- May be met by validation
  - NUR 3028: Essentials of Nursing Practice 2 hrs
  - NUR 3028L: Essentials of Nursing Practice Lab 1 hr
  - NUR 3225: Nursing Care of the Adult I 3 hrs
  - NUR 3225L: Nursing Care of the Adult I: Clinical Practice 2 hrs
  - NUR 3445: Nursing Care of Families 3 hrs
  - NUR 3445L: Nursing Care of Families Clinical 2 hrs
  - NUR 3755L: Essentials of Nursing Practice Clinical 2 hrs
  - NUR 4227: Nursing Care of the Adult II 4 hrs
  - NUR 4227L: Nursing Care of the Adult II: Clinical Practice 3 hrs
  - NUR 4535: Psychiatric Mental Health Nursing 3 hrs
  - NUR 4535L: Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (6 hrs)
- NUR XXXX: Any two upper division nursing electives 6 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- variable to meet degree requirements

9. Additional Requirements

Progression Requirements:
- Prior to NUR 3805: RN status or eligible to take NCLEX.
- Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
- Prior to NUR 3634 Community Health Nursing: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida Community or State College or University (SUS); 3) complete Nursing prerequisites; 4) satisfy CLAS requirement; and 5) complete foreign language admission requirement.

Other:
- Selected Courses may be offered at regional campuses.
- The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- Cumulative overall GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 128

**Honors In Major**
- None

**Related Programs**
- Health Services Administration
- Social Work

**Certificates**
- Aging Studies

**Related Minors**
- Health Sciences
- Health Services Administration
- Psychology

**Advising Notes**
- None

**Transfer Notes**
- None

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study** (30 hrs)
- None

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
COMMON COURSE NUMBERING SYSTEM

Classification of Courses
The University course numbering system is as follows:

0-0999. Subcollegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and 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 33 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed on the next page.) For example, a freshman composition skills course is offered by 58 different postsecondary institutions. Each institution uses “ENC 101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalences are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. Note: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term systems. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

<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>

Example of Course Identifier

English Composition: Lower (Freshman) Level at this institution, Freshman Composition Skills. Freshman Composition Skills I.
### Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.

B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.

C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include special topics courses, Internships, Practica, Study Abroad, Thesis, and Dissertations.

D. College preparatory and vocational preparatory courses.

E. Graduate courses.

F. Internships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999.

G. Applied courses in the performing arts (Art, Dance, Interior Design, Music and Theatre and skills courses in Criminal Justice are not guaranteed as transferable.

### Courses at Nonregionally Accredited Institutions

The Statewide Course Numbering System makes available on its home page (http://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 Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Dr. Elliot Vittes, Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691 or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or via the internet at http://scns.fldoe.org.

### Common Course Numbering System

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABE</td>
<td>Agricultural and Biological Engineering</td>
</tr>
<tr>
<td>ABT</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/AC/Refrigeration: Tech/Trade</td>
</tr>
<tr>
<td>ADE</td>
<td>Adult Education</td>
</tr>
<tr>
<td>ADV</td>
<td>Advertising</td>
</tr>
<tr>
<td>AEB</td>
<td>Agricultural Economics and Business</td>
</tr>
<tr>
<td>AEE</td>
<td>Agriculture and Extension Education</td>
</tr>
<tr>
<td>AER</td>
<td>Automotive Mechanics</td>
</tr>
<tr>
<td>AFA</td>
<td>African-American Studies</td>
</tr>
<tr>
<td>AFH</td>
<td>African History</td>
</tr>
<tr>
<td>AFR</td>
<td>Aerospace Studies</td>
</tr>
<tr>
<td>AFS</td>
<td>African Studies</td>
</tr>
<tr>
<td>AGE</td>
<td>Agricultural Engineering (Discontinued Effective 2005)</td>
</tr>
<tr>
<td>AGG</td>
<td>Agriculture - General</td>
</tr>
<tr>
<td>AGR</td>
<td>Agronomy</td>
</tr>
<tr>
<td>AHM</td>
<td>Amharic Language</td>
</tr>
<tr>
<td>AHT</td>
<td>Amharic Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>AHW</td>
<td>Amharic Literature (Writings)</td>
</tr>
<tr>
<td>AKA</td>
<td>Akan Language</td>
</tr>
<tr>
<td>AKT</td>
<td>Akan Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>AKW</td>
<td>Akan Literature (Writings)</td>
</tr>
<tr>
<td>ALS</td>
<td>Agriculture and Life Sciences</td>
</tr>
<tr>
<td>AMH</td>
<td>American History</td>
</tr>
<tr>
<td>AML</td>
<td>American Literature</td>
</tr>
<tr>
<td>AMS</td>
<td>American Studies</td>
</tr>
<tr>
<td>AMT</td>
<td>Aviation Maintenance Technology</td>
</tr>
<tr>
<td>ANG</td>
<td>Anthropology-Graduate</td>
</tr>
<tr>
<td>ANS</td>
<td>Animal Science</td>
</tr>
<tr>
<td>ANT</td>
<td>Anthropology</td>
</tr>
<tr>
<td>AOM</td>
<td>Agricultural Operations Management</td>
</tr>
<tr>
<td>APA</td>
<td>Applied Accounting</td>
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<td>Applied Kinesiology</td>
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<tr>
<td>ARA</td>
<td>Arabic Language</td>
</tr>
<tr>
<td>ARC</td>
<td>Architecture</td>
</tr>
<tr>
<td>ARD</td>
<td>Architectural Design</td>
</tr>
<tr>
<td>ARE</td>
<td>Art Education</td>
</tr>
<tr>
<td>ARH</td>
<td>Art History</td>
</tr>
<tr>
<td>ARR</td>
<td>Autobody Repair and Refinishing</td>
</tr>
<tr>
<td>ART</td>
<td>Art</td>
</tr>
<tr>
<td>ARV</td>
<td>Art, Vocational</td>
</tr>
<tr>
<td>ASC</td>
<td>Aviation Science: General</td>
</tr>
<tr>
<td>ASG</td>
<td>Animal Science: General</td>
</tr>
<tr>
<td>ASH</td>
<td>Asian History</td>
</tr>
<tr>
<td>ASL</td>
<td>American Sign Language</td>
</tr>
<tr>
<td>ASN</td>
<td>Asian Studies</td>
</tr>
<tr>
<td>AST</td>
<td>Astronomy</td>
</tr>
<tr>
<td>ATE</td>
<td>Animal Science Technology</td>
</tr>
<tr>
<td>ATT</td>
<td>Aviation Technology: Flight</td>
</tr>
<tr>
<td>ATT</td>
<td>Aviation Technology: Theory</td>
</tr>
<tr>
<td>AVM</td>
<td>Aviation Management</td>
</tr>
<tr>
<td>AVS</td>
<td>Avionics</td>
</tr>
<tr>
<td>AYM</td>
<td>Aymara Language</td>
</tr>
<tr>
<td>BAN</td>
<td>Commercial Banking (AIB Courses Only)</td>
</tr>
<tr>
<td>BCA</td>
<td>Building Construction Apprenticeships</td>
</tr>
<tr>
<td>BCC</td>
<td>Basic Clinical Clerks (Required)</td>
</tr>
<tr>
<td>BCH</td>
<td>Biochemistry (Biophysics)</td>
</tr>
<tr>
<td>BCN</td>
<td>Building Construction</td>
</tr>
<tr>
<td>BCT</td>
<td>Building Construction Trades</td>
</tr>
<tr>
<td>BCV</td>
<td>Building Construction: Vocational</td>
</tr>
<tr>
<td>BME</td>
<td>Biomedical Engineering</td>
</tr>
<tr>
<td>BMS</td>
<td>Basic Medical Sciences</td>
</tr>
<tr>
<td>BOT</td>
<td>Botany</td>
</tr>
<tr>
<td>BRC</td>
<td>Banking Related Courses (Not AIB or IFE)</td>
</tr>
<tr>
<td>BSC</td>
<td>Biological Sciences</td>
</tr>
<tr>
<td>BTE</td>
<td>Business Teacher Education</td>
</tr>
<tr>
<td>BUL</td>
<td>Business Law</td>
</tr>
<tr>
<td>CAP</td>
<td>Computer Applications</td>
</tr>
<tr>
<td>CAS</td>
<td>Clinical Audiology and Speech Language Pathology (Dis 898)</td>
</tr>
<tr>
<td>CAT</td>
<td>Catalan Language</td>
</tr>
<tr>
<td>CBH</td>
<td>Comparative Psychology and Animal Behavior</td>
</tr>
<tr>
<td>CCE</td>
<td>Civil Construction Engineering</td>
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<td>CCJ</td>
<td>Criminology and Criminal Justice</td>
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<tr>
<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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</table>
Common Course Numbering System

Courses Numbered 0-999
Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses
In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

Special Undergraduates Grad
Directed Independent Studies 1906, 2905, 3905, 4906, 5907
Directed Independent Research 4912, 5917
Special Undergraduate Research IDS 3913, 4914
Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
*Internship, Practicums, Clinical Prac 3940, 4941, 5944
Cooperative Education 1949, 2949, 3949, 4949, 5949
Honors Undergraduate Thesis 3970H, 4970H
Honors Directed Reading 4903H
Honors Directed Reading 3904H, 4904H
Study Abroad 4955, 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.

Special Undergraduates Grad
Directed Independent Studies 1906, 2905, 3905, 4906, 5907
Directed Independent Research 4912, 5917
Special Undergraduate Research IDS 3913, 4914
Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
*Internship, Practicums, Clinical Prac 3940, 4941, 5944
Cooperative Education 1949, 2949, 3949, 4949, 5949
Honors Undergraduate Thesis 3970H, 4970H
Honors Directed Reading 4903H
Honors Directed Reading 3904H, 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/School/Department Indicator
Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Medicine, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HM = Hospitality Management, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

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<th>College/School</th>
<th>Department</th>
<th>Abbreviation</th>
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UCF Courses and Descriptions

Finding a Course in this List: The UCF courses in this section are listed alphabetically by prefix. Consult the “Common Course Numbering System” section of the Undergraduate Catalog for additional information.

Availability of Courses: The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at https://my.ucf.edu for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional—department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

ACG 2021 BA-ACCT 3(3,0)

ACG 2021H BA-ACCT 3(3,0)

ACG 2071 BA-ACCT 3(3,0)
Principles of Managerial Accounting: PR: ACG 2021 and MAC 1105 or equivalent. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

ACG 3082 BA-ACCT 3(3,0)
Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

ACG 3131 BA-ACCT 3(3,0)
Financial Accounting Concepts and Analysis: PR: Junior Standing. Accounting major or minor, and ACG 2021, ACG 2071 with a grade of “C” (2.0) or better. Technical knowledge about accounting measurement, and disclosure plus the study of how accounting reports are analyzed, and interpreted by external users. Fall, Spring.

ACG 3141 BA-ACCT 3(3,0)
Intermediate Financial Accounting II: PR: Accounting major or minor. ACG 3131 with a grade of “C” (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

ACG 3361 BA-ACCT 3(3,0)
Cost Accounting I: PR: Junior standing. Accounting major or minor, and MAC 1105, ECO 2013, ECO 2023, and ACG 2071 with a grade of “C”. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

ACG 3501 BA-ACCT 3(3,0)
Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of “C” (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.

ACG 4252 BA-ACCT 3(3,0)

ACG 4284 BA-ACCT 3(3,0)

ACG 4401C BA-ACCT 3(3,0)
Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and CGS 2100C, with a grade of “C” or better. Manual and computer-based accounting information systems. Fall, Spring.

ACG 4651 BA-ACCT 3(3,0)
Auditing: PR: Accounting major or minor. ACG 3141 and ACG 4401C with a grade of “C” or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

ACG 4671 BA-ACCT 3(3,0)
Internal Auditing: PR: Accounting major or minor, ACG 3121 or ACG 3361. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 4803 BA-ACCT 3(3,0)
Contemporary Issues in Accounting: PR: ACG 3141, ACG 3361, ACG 4401C, Tax 4001. A study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. Fall, Spring.

AED 4382 ED-TLP 3(3,0)
Teaching Adult Learners in Technical Programs: PR: EVT 3365 or CI. Planning for and teaching of adult learners in formal & informal technical settings. Fall, Spring.

ADV 3008 COS-COMM 3(3,0)
Principles of Advertising: PR: SPC 1608, or SPC 2508 or CI. An introduction to advertising media, audiences, and research methods. Fall, Spring.

ADV 4101 COS-COMM 3(3,0)
Advertising Copywriting: PR: ADV 3008 majors only and ADV 3008 and PUR 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. Fall, Spring.

ADV 4103 COS-COMM 3(3,0)
Radio-Television Advertising: PR: R/TV or AD PR Majors only and ADV 3008 or CI. Radio and television advertising sales, including interpretation of rate structures, program audiences, and creative approaches to sponsor needs. Fall, Spring.

ADV 4300 COS-COMM 3(3,0)
Advertising Media Planning: PR: ADV 3008 and AD/PR majors. Media planning and buying, including basic media terms, calculations, and resources. Fall, Spring.

AFA 2300 CAH-AAS 3(3,0)
African American Music: Comprehensive look at music written and made popular by African Americans. Fall.

AFA 3102 CAH-AAS 3(3,0)
Black Perspectives: A Multidisciplinary Approach: PR: ENC 1102. Key issues and methodologies in African American Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.

AFA 3104 CAH-AAS 3(3,0)

AFA 3428 CAH-AAS 3(3,0)

AFA 3955 CAH-AAS 6(6,0)

AFA 4105 CAH-AAS 3(3,0)

AFA 5930 CAH-AAS 3(3,0)
Topics in African American Studies: PR: Graduate standing or senior standing or CI. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on 20th century American society. Occasional.

AFH 3100 CAH-HIST 3(3,0)
African History to 1870: PR: CI. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.

AFH 3200 CAH-HIST 3(3,0)

AFH 5259 CAH-HIST 3(3,0)
Colloquium in African History: PR: Graduate standing or CI. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. Odd Fall.

AFH 5806 CAH-HIST 3(3,0)
The Historiography of Slavery in Africa: PR: Graduate standing or senior standing or CI. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

AFL 1101C ECS-AFROTC 1(1,2)

AFL 1111C ECS-AFROTC 1(1,2)

AFL 2130C ECS-AFROTC 1(1,2)
The Development of Air Power I: A study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. Fall.

AFL 2131C ECS-AFROTC 1(1,2)
The Development of Air Power II: A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. Spring.

AFL 3220C ECS-AFROTC 3(3,2)
Air Force Leadership and Management I: An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. Fall.

AFL 3230C ECS-AFROTC 3(3,2)
Air Force Evaluation and Management II: PR: AFL 3220C or CI. A concluding study of Air Force management fundamentals, including performance evaluation skills. Spring.
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.

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.

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. Odd Fall. M&S fee: $2.56

Nutritional Anthropology: PR: One course in Social Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, and ecological. Occasional.

Language, Culture, and Pedagogy: 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. Spring.

Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology to the study of health and disease. Odd Fall.

Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary field research in the Maya area. Spring.

General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.


Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

Cultural Anthropology: An introduction to human diversity as exemplified among various cultures and ethnic groups. Fall, Spring.

The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.


Archaeology and Popular Culture: PR: ANT 2000 or C.I. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

Archaeological Method and Theory: PR: or CR: ANT 2000 or ANTI 2140 or C.I. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Even Fall.

Old World Prehistory: PR: or CR: ANT 2000 or ANTI 2140 or C.I. A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. Occasional.

Archaeology of Complex Societies: PR: or CR: ANT 2000 or ANTI 2140 or C.I. Theoretical perspectives on ancient hierarchies of power. Fall.

Life and Death in Ancient Egypt: PR: Any 2000 level Anthropology course. Use of archaeology and physical anthropology to examine the lives and death of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Occasional.


Florida Archaeology: PR: ANT 2000 or ANTI 2140 or C.I. Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, artifacts, and occupations. Fall.

Americas Before Columbus: PR: ANT 2000, or C.I. Archaeological developments of North, Central, and South America from the hemisphere's initial peopling through the advent of European culture. Occasional.

Archaeology of Mexico: PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. Occasional.

Mesoamerican Archaeology: PR: or CR: ANT 2000 or ANTI 2140 or C.I. An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Occasional.

Ancient Incas: PR: ANT 2000 or SYG 2000 or ANT 2140 or C.I. The ancient Inca civilization, including exami- nation of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. Occasional.

Archaeology of South America: PR: ANT 2000 or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. Occasional.

Archaeology of Sex: PR: ANT 2000 or C.I. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an archaeological perspective. Occasional.


Magic, Ritual, and Belief: PR: or CR: ANT 2000 or ANTI 2410 or C.I. Patterns in religious behavior in various societies with primary emphasis on myth, ritual, rite, taboo, and festival social phenomena. Fall, Spring.

Native American Religions: PR: ANT 2000 or ANTI 2410 or C.I. The religious beliefs of native New World peoples. Occasional.


Law and Culture: PR: or CR: ANT 2000 or C.I. An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.


Indians of the Northeast Woodlands: PR: ANT 2000 or ANTI 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northeast. Occasional.

Indians of the Northwest Coast: PR: ANT 2000 or ANTI 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northwest Coast of North America. Occasional.


Cultural Ecology of Amazonia: PR: Any 2000 level social science course or C.I. The cultural ecology and adaptive strategies of native Amazonians, including effects of modernization on resource use and cultural survival. Occasional.


Peoples of Southeast Asia: PR: or CR: ANT 2000 or ANTI 2410 or C.I. A survey of the peoples of Vietnam, Cambodia, Laos and Thailand from the anthropological perspective. Occasional.
ANT 3363 COS-ANTHRO 3(3,0)
Anthropology of Japan: PR: or CR: ANT 2000 or C.I. An exploration of Japan's culture and its contemporary behavioral and organizational patterns by drawing upon archaeology, cultural history, linguistics, cultural anthropology, and social organization. Occasional.

ANT 3393 COS-ANTHRO 3(3,0)
American Indian Literature and Culture in Florida: ENL 2400L Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through oral tales and legends, treaties, archival sources. Occasional.

ANT 3398 COS-ANTHRO 3(3,0)

ANT 3450 COS-ANTHRO 3(3,0)

ANT 3541 COS-ANTHRO 3(3,0)
Biobehavioral Anthropology: PR: or CR: ANT 2000 or ANT 2410 or C.I. An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. Spring.

ANT 3550 COS-ANTHRO 3(3,0)
Primate Behavior: PR: ANT 2511 or C.I. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. Occasional.

ANT 3610 COS-ANTHRO 3(3,0)
Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior; language and perception. Spring.

ANT 3701 COS-ANTHRO 3(3,0)
Applied Anthropology: PR: ANT 2000 or AN 2410 or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization, and health. Occasional.

ANT 3949 COS-ANTHRO 0(0,8)
Cooperative Education in Anthropology: PR: Departmental permission required before registering. Cooperative education experience in anthropology. Graded S/U. May be repeated up to 24 semester hours.

ANT 4013 COS-ANTHRO 3(3,0)

ANT 4034 COS-ANTHRO 3(3,0)

ANT 4144 COS-ANTHRO 3(3,0)
Prehistory of North America: PR: Any lower level course in the social sciences. The rise of North American Native culture from the earliest evidence of human occupation in the New World; e.g., the Folsom, Clovis, Sandia, etc., to the time of contact with European cultures. Occasional.

ANT 4153 COS-ANTHRO 3(3,0)
North American Archaeology: PR: any lower level social science course. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Occasional.

ANT 4180C COS-ANTHRO 3(1,4)
Seminar in Laboratory Analysis: PR: or CR: ANT 2000 or ANT 2410 or C.I. The processing of archaeological finds from excavation through publication. May be repeated for credit.

ANT 4183 COS-ANTHRO 3(3,0)
Archaeological Sciences: PR: ANT 2511, or ANT 2410, or C.I. Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

ANT 4184 COS-ANTHRO 3(3,0)
Mortuary Archaeology: PR: ANT 2000, or ANT 2410, or C.I. Archaeological interpretations of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Occasional.

ANT 4266 COS-ANTHRO 3(3,0)

ANT 4303 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Social theory of tourism; anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANT 4308 COS-ANTHRO 3(3,0)
Gender Issues in Latin America: PR: Completion of a lower-level social science course or its equivalent. Issues of gender in Latin America through an anthropological approach, both theoretical and practical, with special attention to women’s lives. Occasional.

ANT 4408 COS-ANTHRO 3(3,0)
Culture, Disease, and Healing: PR: Any 2000 level Anthropology course. The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. Odd Spring.

ANT 4462 COS-ANTHRO 3(3,0)
Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. Occasional.

ANT 4467 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: One 2000 level course in biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. Occasional.

ANT 4560 COS-ANTHRO 3(3,0)
Archaeological Fieldwork: PR: ANT 2000, or SYG 2000, or C.I. Subsistence and social organization. Perspectives are cross-cultural, biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. Occasional.

ANT 4800 COS-ANTHRO 3(3,0)

ANT 4801 COS-ANTHRO 3(3,0)

ANT 4853 COS-ANTHRO 3(3,0)

ANT 4854 COS-ANTHRO 3(3,0)

ANT 4855 COS-ANTHRO 3(3,0)

ANT 4856 COS-ANTHRO 3(3,0)

ANT 4702 COS-ANTHRO 3(3,0)

ANT 4802 COS-ANTHRO 3(3,0)
Advanced Forensic Anthropology: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.

APA 3471 BA-ACCT 3(3,0)

APK 2131C ED-CFCS 3(1,2)
TriFit Training: Principles and practices of the three disciplines comprised of the triathlon. Students provide all personal equipment, including bicycle, helmet, swim goggles. Fall, Spring.

APK 3132 ED-CFCS 3(3,0)
Triathlon Training and Performance: PR: PEM 2104 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. Occasional.

APK 4300 COS-PYCH 3(3,0)

APK 4315 HPA-HP 3(3,0)
Sports Medicine Field Application: Demonstration and application of the treatment for various sports injuries. Spring.

ARA 1120C CAH-LANG 4(3,1)
Elementary Arabic Language and Civilization I: 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 1121 C CAH-LANG 4(3,1)
Elementary Arabic Language and Civilization II: II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

ARA 1121H CAH-LANG 4(4,1)

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.
Materials and Methods of Construction 2: cultural, economic and technological forces. Design with a large scale urban context. Theory, methodology, and evolution of urban design in response to social, cultural, economic and technological forces. Odd Spring.

Architectural Design 5: 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.

Architectural Design 6: ARC 3320L Architectural design with a large scale urban context. Theory, methodology, and evolution of urban design in response to social, cultural, economic and technological forces. Odd Spring.

Methods and Materials of Construction 2: CR: ARH 3323L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.


Environmental Technology 1: ARC 3323L. Principles and practices relating to control of the thermal, atmospheric environment and plumbing in buildings. Odd Spring.

Architectural History 3: CR: ARC 3323L. Social, political, material, technological, and cultural forces on design and construction from 1850 including architect's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

Architectural Theory 2: ARC 3323L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

Architectural Design 7: ARC 3323L. 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.

Architectural Design 8: ARC 3323L. Architecture focuses on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.


Early Childhood Art and Creativity: An examination of component patterns in children's art behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee: $5.00

Community Arts Practicum: CR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. Occasional.
ARH 3820 CAH-ART 3(3,0)
Visual Arts Administration Vitae: PR: Junior Standing or C.I. General education, personnel, copyright laws, museum practices, etc. Occasional.

ARH 4130 CAH-ART 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-ART 3(3,0)
Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. Occasional.

ARH 4200 CAH-ART 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 4310 CAH-ART 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-ART 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.

ARH 4352 CAH-ART 3(3,0)
Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.

ARH 4430 CAH-ART 3(3,0)
19th Century Art: PR: ARH 2050 and ARH 2052. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.

ARH 4450 CAH-ART 3(3,0)
20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, Futurism, Cubism to the art of the present. Occasional.

ARH 4540 CAH-ART 3(3,0)
Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Raiput, and Muslim periods. Occasional.

ARH 4653 CAH-ART 3(3,0)
Meso American Art: PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from the Pre-Columbia, through the Spanish Colonial, to the 20th century. Occasional.

ARH 4800 CAH-ART 3(3,0)
Theory and Criticism of the Visual Arts: PR: ARH 2050 and ARH 2051 or C.I. Explores criteria of art criticism and theoretical approaches to art meaning through time; art examples from various period/cultures. Occasional.

ART 2823 CAH-ART 3(3,0)
Art as Interface: An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.

ART 2823H CAH-ART 3(3,0)
Honors Art as Interface: PR: Consent of Honors. An overview of Art department specializations, and selected historical and theoretical information influencing the art curriculum. Aesthetic characteristics shared among the disciplines and their use by the profession. With Honors content. Occasional.

ART 3161 CAH-ART 3(3,0)
Mixed Media: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Concepts and techniques involving the creation of art objects by integrating painting, sculpture, drawing, design, and art history. Occasional.

ART 3170C CAH-ART 3(2,4)

ART 3171C CAH-ART 3(2,4)

ART 3175C CAH-ART 3(2,4)

ART 3176C CAH-ART 3(2,4)
The Illuminated Book: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and ART 3170C. The creation of visual, illuminated responses to language from stories, fables, poetry, and books using a variety of media. Occasional. M&S fee: $45.00

ART 3332C CAH-ART 3(2,4)

ART 3433C CAH-ART 3(2,4)
Screenprinting: PR: ART 2201C, ART 2203C, ART 2400C. Techniques of waterbase screenprinting, including diblend and photopolymer processes and printmaking applications of screenprinting as a means for image making. Occasional.

ART 3504C CAH-ART 3(2,4)
Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Reinforces and extends methods and materials content of ART 2500C, and deals with issues of figurative painting. Fall, Even Spring. M&S fee: $15.00

ART 3616C CAH-ART 3(3,0)
Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. C.I. The 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 3618C CAH-ART 3(3,0)
Post-Production Design: PR: Accepted into Animation program. Special effects and composting for computer animation and film. Focus on the use of After Effects, Premier and Photoshop software. Occasional.

ART 3643C CAH-ART 3(2,4)
Digital Effects & Compositing: PR: Animation major and FIL 3720C. Special effects and composting for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. Fall, Spring. M&S fee: $45.00

ART 3709C CAH-ART 3(2,4)
ART 3737C CAH-ART 3(2,4)
Narrative Sculpture: PR: ART 2201C, ART 2203C, ART 3701C. Aesthetics of sculpture incorporating narrative content and referencing historical contexts. May be repeated for credit. Occasional.

ART 3761C CAH-ART 3(2,4)

ART 3764C CAH-ART 3(2,4)
Ceramic Handbuilding I: PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee: $35.00

ART 3833C CAH-ART 3(2,4)

ART 3833C CAH-ART 3(4,2)
Processes and Ideas in Art: PR: Junior Standing. This course combines the development of individual creativity and the generation of new insights concerning artistic expression. These "formative activities" must be manifested by students in the form of small sculptures and/or other forms of creative activity. Occasional.

ART 3950 CAH-ART 0(0,0)

ART 4132C CAH-ART 3(2,4)
Advanced Fiber And Fabrics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2130C, and a satisfactory portfolio review or C.I. Textile design and production, including non-loom weaving processes. May be repeated for credit. Occasional. M&S fee: $5.00.

ART 4172C CAH-ART 3(2,4)

ART 4173C CAH-ART 3(2,4)

ART 4174C CAH-ART 3(2,4)

ART 4177C CAH-ART 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-ART 3(3,3)

ART 4320C CAH-ART 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-ART 3(2,4)
Advanced Printmaking: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Even Fall. Spring. M&S fee: $30.00

ART 4505C CAH-ART 3(2,4)

ART 4634C CAH-ART 3(1,3)

ART 4644C CAH-ART 3(2,4)

ART 4710C CAH-ART 3(2,4)
Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2701C, and a satisfactory portfolio review or C.I. May be repeated for credit. Fall, Spring. M&S fee: $45.00.

ART 4765C CAH-ART 3(2,4)

ART 4780C CAH-ART 3(2,4)

ART 4783C CAH-ART 3(2,4)
Advanced Ceramics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3701C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. Fall. Spring. M&S fee: $34.99

ART 4786C CAH-ART 3(2,4)

ART 4935 CAH-ART 3(1,1)

ART 4945L CAH-ART 6(0,6)
Advanced Design Lab: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. An interdisciplinary practicum where students design and develop visual solutions for real world clients in partnership with industry. Occasional.

ART 4954 CAH-ART 3(3,0)
Scotland Study Abroad: PR: ART 2823, ART 2201C or ART 2301C. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.

ART 4971 CAH-ART 3(2,4)

ART 5109C CAH-ART 3(2,4)
Multiple-Cultural Crafts Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, graduate status or senior standing, or C.I. The content of this course will include an appreciation for and the production of Western and Non-Western art forms. Occasional.

ART 5280C CAH-ART 3(3,3)
Serial Content and Classic Form I: PR: Admission to MFA. Studio course exploring serial imaging history, photographs, alphabet development, typographic design, and the computer as sequenced design concepts and tools. Fall. M&S fee: $45.00.
ASH 4243 CAH-HIST 3(3,0)
History of Iraq: PR: WOH 2012 and WOH 2022. Modern Iraq: History through a set of interrelated mono-
grapic studies that focus on the political and legal compo-
nents of the Iraqi state. Occasional.

ASH 4304 CAH-HIST 3(3,0)
Women in China: PR: AMH 2010 and AMH 2020, or EUH 2000 and EUH 2001, or WOH 2012 and WOH 2022. This course is designed to provide women with a variety of experiences. Chinese women through the traditional period, the modern era and contemporary times. Occasional.

ASH 4402 CAH-HIST 3(3,0)

ASH 4404 CAH-HIST 3(3,0)

ASH 4442 CAH-HIST 3(3,0)
Modern Japan, 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century: World War I; Japanese militarism; World War II; and U.S. occupation. Occasional.

ASH 5227 CAH-HIST 3(3,0)
The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. Occasional.

ASH 5408 CAH-HIST 3(3,0)
Collective Memory in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholar-
ship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

ASH 5485 CAH-HIST 3(3,0)
U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. Even Fall.

ASL 2140 HPA-COM SC&DIS 4(4,0)
Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf cul-
ture, literature, research examined. Fall, Spring.

ASL 2150 HPA-COM SC&DIS 4(4,0)

ASL 2510 HPA-COM SC&DIS 3(3,0)
Issues of Deafness: PR: C.I. The impact of deafness on individual, family and social problems in the deaf commu-
nity and culture, including historical and changing attitudes toward persons and disabilities. Occasional.

ASL 3444 HPA-COM SC&DIS 3(3,0)

ASL 4161C HPA-COM SC&DIS 4(3,1)

ASL 4201 HPA-COM SC&DIS 4(4,0)
American Sign Language IV: PR: ASL 4161C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasizing production of non-voiced, conversational, spontaneous signed sentences, “reading” signed phrases and sentences. Occasional.

ASL 4301 HPA-COM SC&DIS 3(3,0)
Structure of American Sign Language: PR: ASL 2140 and ASL 2150 or C.I. Study of phonologic, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and com-
munication. Occasional.

ASL 4435 HPA-COM SC&DIS 3(3,0)
Fingerspelling: PR: ASL 2140 and ASL 2150 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling proficiency beyond basic skill levels. Occasional.

AST 4470 HPA-COM SC&DIS 3(3,0)
Literature of Signed Languages: PR: ASL 2510. Overview of literature produced by Deaf communities across the world, with emphasis on the American Deaf Community. Genres include poetry, narrative, historical and cultural prose. Occasional.

AST 2002 COS-PHYS 3(3,0)
Astronomy: PR: High school algebra or MAC 1105. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.

AST 2002H COS-PHYS 3(3,0)
Honors Astronomy: PR: Permission of Honors. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolu-
tion, black holes, neutron stars. Honors level content. Occasional.

AST 2037 COS-PHYS 1(0,3)
Astronomy Lab: CR: AST 2002. Laboratory exper-
iments covering selected topics in astronomy related to AST 2002. Occasional. M&S fee: $10.00

AST 3211 COS-PHYS 3(3,0)
Planetary Atmospheres: PR: Admission standing in the Physics department or C.I. This course examines the physical and chem-
ical processes that govern the behavior of the atmosphere of Earth and the other planets. Occasional.

AST 5263 COS-PHYS 3(3,0)
Advanced Observational Astronomy: PR: Graduate standing in the Physics department or C.I. Experimental design and experimental techniques in astroph-
physics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.

AST 5334 COS-PHYS 3(3,0)
Extrasolar Planets and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynam-
ics, detection, and environments. Odd Spring.

AST 5765 COS-PHYS 3(3,0)
Advanced Astronomical Data Analysis: PR: MAC 2313, a 3000-level or higher course in astronomy or planetary science, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer program-
ing, statistics, interpretation, and written and oral presenta-
tion of results. Occasional.

BCH 4053 COS-CHEM 3(3,0)
Biochemistry I: PR: CHM 2211. A consideration of proteins, carbohydrates, nucleic acids and the use of information on biochemical processes and inter-
relationship of intermediary metabolism. Fall, Spring.

BCH 4053H COS-CHEM 3(3,0)

BCH 4054 COS-CHEM 3(3,0)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 3152C</td>
<td>COS-BIOL</td>
<td>Local Flora</td>
<td>3(1,4)</td>
<td>Designed for non-majors. Recognition and identification of Florida higher plants, especially those common to central Florida, stressing environmental and ethnobotanical significance. Weekend field trips may be required. Occasional.</td>
</tr>
<tr>
<td>BOT 3802</td>
<td>COS-BIOL</td>
<td>Ethnobotany</td>
<td>3(3,0)</td>
<td>PR: BSC 2011C or C.I. Historical and modern uses of plants economically important in various cultures. Spring.</td>
</tr>
<tr>
<td>BOT 3820C</td>
<td>COS-BIOL</td>
<td>Plants and the Urban Environment</td>
<td>3(2,1)</td>
<td>PR: Junior standing or C.I. The selection, placement, propagation and care of ornamental plants in residential and industrial areas. For non-majors only. Occasional. M&amp;S fee: $15.00.</td>
</tr>
<tr>
<td>BOT 4434C</td>
<td>COM-M&amp;M</td>
<td>Principles of Biotechnology</td>
<td>4(3,1)</td>
<td>PR: BSC 2010C, MCB 3020C or BSC 2111C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. Occasional.</td>
</tr>
<tr>
<td>BOT 4503</td>
<td>COS-BIOL</td>
<td>Plant Physiology</td>
<td>3(0,3)</td>
<td>PR: PCB 2023 or C.I. A Study of mechanisms used by plants to cope with the environment. Occasional.</td>
</tr>
<tr>
<td>BOT 4503L</td>
<td>COS-BIOL</td>
<td>Plant Physiology Laboratory</td>
<td>1(0,3)</td>
<td>CR: BOT 4503. The laboratory to accompany BOT 4503C. Occasional. M&amp;S fee: $15.00.</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>COS-BIOL</td>
<td>Biological Principles</td>
<td>3(3,0)</td>
<td>A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. Fall, Spring.</td>
</tr>
<tr>
<td>BSC 1005H</td>
<td>COS-BIOL</td>
<td>Biological Principles-Honors</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. Biological factors that affect dependence on the environment; the role of human population preserving ecological integrity. Occasional.</td>
</tr>
<tr>
<td>BSC 1005L</td>
<td>COS-BIOL</td>
<td>Biological Principles Laboratory</td>
<td>1(0,2)</td>
<td>CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&amp;S fee: $15.00.</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>COS-BIOL</td>
<td>Biology and Environment</td>
<td>3(3,0)</td>
<td>Designed for non-majors. Occasional.</td>
</tr>
</tbody>
</table>
Course Construction in Business Education: PR: EV-3085 or C.I. An overview and examination of business curriculum and methodology integrated into the vocational frameworks. Planning and preparation of materials, managing the laboratory and involvement in vocational student organizations. Occasional.

Legal and Ethical Environment of Business - Honors: PR: Junior standing and business major or minor. Analysis of the law as a dynamic social and political institution in the business environment. Contract law, torts, and ethical consideration. Fall, Spring.

Legal & Ethical Environment of Business: PR: EV-3085 or C.I. An overview and examination of business curriculum and methodology integrated into the vocational frameworks. Planning and preparation of materials, managing the laboratory and involvement in vocational student organizations. Occasional.

Legal and Technology: 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.

Legal and Technology Interaction: PR: COP 3330 and COP 3505C. Perceptual, cognitive, affective, social organizational, commercial, and cultural factors. Disciplines, techniques and methodologies, Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. Fall.

Legal and Technology Interaction: PR: COP 3330 and COP 3505C. Perceptual, cognitive, affective, social organizational, commercial, and cultural factors. Disciplines, techniques and methodologies, Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. Fall.

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.

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CEN 5077 ECS-CS 3(3,0) Web Application Testing: PR: Graduate standing and/ or approval of the Director of the Software Engineering Certificate Program. Test design strategies, patterns and tools, Metrics, Client-server and wireless applications testing, Automated testing, Quality assurance, Performance, security, and usability analysis. Cross site scripting tests. Occasional.

CEN 5326 ECS-CS 3(3,0) Web Server Configuration and Maintenance: PR: COP 3502C, CNT 3004, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. Occasional.

CES 4100C ECS-CECE 4(3,3) Structural Analysis I and Lab: PR: EGN 3353 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 4101 ECS-CECE 3(3,0) Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Introduction to matrix structural analysis, 2D and 3D structural analysis, special topics and modeling techniques, software tools for structural engineers for computer based applications. Occasional.

CES 4605 ECS-CECE 3(3,0) Steel Structures: PR: CES 4100C. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. Fall.


CET 4326 ECS-ENT 3(3,0) Structures: PR: CET 3198C or C.I. An introductory level course in telephony technology. The telephone environment, telemanagement, telephony connectivity and services of telephony. Fall.

CET 4134C ECS-ENT 3(3,2) Microprocessor Electronics II: PR: Digital Circuits I or C.I. The MC68000 Software architecture programming and hardware architecture are covered in detail. Assembly language programming, interfacing and hardware characteristics as well as applications are covered. Occasional. M&S fee: $45.00

CET 4135 ECS-ENT 3(3,0) Digital Programmable Devices: PR: CET 3198C or equivalent. C.I. Architecture and applications of various types of programmable logic devices. Design entry methods, e.g. HDL, schematic capture, etc. Lab exercises using PALS, PLDs, and FPGA5s. Occasional.


CET 4427 ECS-ENT 3(3,0) Applied Database I: PR: CET 2364 or equivalent. Design and implementation of data base systems within the context of the central administration, structured data storage. Programming project. May be repeated for credit. Occasional.

CET 4428 ECS-ENT 3(3,0) Applied Database II: PR: CET 4427. Continuation of CET 4427. Study of hierarchical database system. Programming project is required. May be repeated for credit. Spring.

CET 5077 ECS-CS 3(3,0) Web Application Testing: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Test design strategies, patterns and tools, Metrics, Client-server and wireless applications testing, Automated testing, Quality assurance, Performance, security, and usability analysis. Cross site scripting tests. Occasional.

CET 5326 ECS-CS 3(3,0) Web Server Configuration and Maintenance: PR: COP 3502C, CNT 3004, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. Occasional.

CET 4100C ECS-CECE 4(3,3) Structural Analysis I and Lab: PR: EGN 3353 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

CET 4101 ECS-CECE 3(3,0) Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Introduction to matrix structural analysis, 2D and 3D structural analysis, special topics and modeling techniques, software tools for structural engineers for computer based applications. Occasional.

CET 4605 ECS-CECE 3(3,0) Steel Structures: PR: CES 4100C. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. Fall.

CET 4606 ECS-CECE 3(3,0) Concrete Structures: PR: CET 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. Fall. M&S fee: $15.00

CET 4702 ECS-ENT 3(3,0) Reinforced Concrete Structures: PR: CES 4100C or C.I. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Spring.

CET 4709C ECS-CECE 3(3,0) Concrete Design: PR: CET 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. Fall. M&S fee: $15.00

CET 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 and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. Occasional.

CET 5325 ECS-CECE 3(3,0) Bridge Engineering: PR: CES 4605 and CES 4702 or C.I. Bridge design fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and rating to Bridge health monitoring. Occasional.

CET 5506 ECS-CECE 3(3,0) Advanced Steel Structures: PR: CET 4605. Behavior of design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam columns. Occasional.

CET 5706 ECS-CECE 3(3,0) Advanced Reinforced Concrete: PR: CET 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 5821 ECS-CECE 3(3,0) Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.
UCF Courses and Descriptions

CET 4931 ECS-ENT 3(0,0) Current Topics in Technology: PR: C.I. Study of recent state-of-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication. Occasional.

CET 5012 ECS-ENT 3(0,0) Information and Communications Infrastructure: PR: Graduate standing or C.I. This course provides an overview of information systems in the technology world. Topics include hardware, software, databases, networking, telecommunication systems. Fall.

CGN 3501C ECS-CECE 3(2,3) Civil Engineering Materials: PR: EGN 3333 with a grade of “C” (2,0) or better, CHM 2046. The characterization of materials used in civil engineering works to include concrete, bituminous, polymers and composite materials. Fall, Spring. M&S fee: $30.00

CGN 4300 ECS-CECE 3(0,0) Civil Engineering Systems: PR: EGN 3613. Machines 2313; STA 3032. Mathematical techniques commonly associated with operations research and economics which are applicable to the planning, design, and operation of civil engineering systems. Occasional.

CGN 4600 ECS-CECE 3(0,0) Public Works Engineering: PR: ENV 3001 and CWR 3201. An overview of planning, design, operation and maintenance of public works, with emphasis on water and wastewater treatment plants. May be repeated for credit. Occasional.

CGN 4808C ECS-CECE 3(2,2) Civil Engineering Capstone Design: PR: one of the following courses - TTE 4601C, CES 4608C, CWR 4820C, ENV 4620C, CEG 4601C, or CES 4608C. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall, Spring.


CGN 5504C ECS-CECE 3(2,2) Civil Engineering Materials: PR: EGN 3365, EGN 3361, or C.I. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials. Occasional.

CGN 5560C ECS-CECE 3(2,2) Asphalt Concrete Mix Design: PR: CEG 4101C. Properties of asphalt, aggregate and asphalt mixtures, Marshall flow design, Hveem mix design, pavement rehabilitation. Occasional.

CGS 1060C ECS-CS 3(2,2) Introduction to Computer Science: History, typical computer, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Fall, Spring. M&S fee: $15.00

CGS 1060H ECS-CS 3(2,2) Honors Introduction to Computer Science: PR: Permission of Honors. History, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Occasional. M&S fee: $15.00

CGS 2100C ECS-CS 3(2,1) Computer Fundamentals for Business: Uses of computer systems in business, including computer hardware, applications, commercial packages, and the Internet. Not open to Computer Science majors. Fall, Spring. M&S fee: $15.00


CGS 3175 ECS-CS 3(3,0) Internet Applications: PR: CGS 1060C. HTML coding, use of images, simple and advanced text formatting, and forms and CSS scripts, introduction to Javascript. Fall, Spring.


CHI 1120C CAH-LANG 4(3,0) Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1120H CAH-LANG 4(4,0) Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to Chinese culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. Occasional.

CHI 1121C CAH-LANG 4(3,0) Elementary Chinese Language and Civilization II: PR: CHI 1120C or equivalent. Continuation of CHI 1120C. Spring.


CHI 2200 CAH-LANG 3(3,0) Intermediate Chinese I: PR: CHI 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. Fall, Spring.

CHI 2201 CAH-LANG 3(3,0) Intermediate Chinese II: PR: CHI 2200 (Intermediate Chinese I). Continuation of CHI 2200 with emphasis on Chinese cultures. Fall, Spring.

CHM 1020 COS-CHEM 3(3,0) Concepts in Chemistry: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

CHM 1032 COS-CHEM 3(3,0) General Chemistry: PR: MAC 1105 or MGF 1108 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course. Fall, Spring.

CHM 1032L COS-CHEM 1(0,3) General Chemistry Laboratory: PR: PR: or CR: CHM 1032. Priority will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee: $45.00

CHM 2045C COS-CHEM 3(2,1) Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105 recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermodynamics. The "NC" grading policy applies to this course. Fall, Spring. M&S fee: $6.00

CHM 2045H COS-CHEM 3(3,0) Chemistry Fundamentals IB: PR: CHM 2045C or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2045C. Atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Spring.

CHM 2045C COS-CHEM 3(2,1) Chemistry Fundamentals I: PR: A passing score on the Chemistry Placement Exam. Not open to students with credit in both CHM 2045C and CHM 2045H. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermodynamics, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall, Spring. M&S fee: $9.00

CHM 2045H COS-CHEM 3(3,0) Honors Chemistry Fundamentals I: PR: High school chemistry and permission of Honors. Not open to students with credit in both CHM 2045C and CHM 2041C. Same as CHM 2045C with honors-level content. Fall, Spring. M&S fee: $25.00

CHM 2046 COS-CHEM 3(3,0) Chemistry Fundamentals II: PR: "C" grade or better in CHM 2045C or CHM 2041C. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2045C & CHM 2041C sequence. Intermolecular forces, solutions and coligative properties. Equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall, Spring.

CHM 2046H COS-CHEM 3(3,0) Honors Chemistry Fundamentals II: PR: CHM 2045H and permission of Honors. Same as CHM 2046C with honors-level content. Spring. M&S fee: $35.00

CHM 2046L COS-CHEM 1(0,3) Chemistry Fundamentals Laboratory: CR: CHM 2046. Priority will be given to students whose major requires this course. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee: $44.00

CHM 2205 COS-CHEM 5(0,0) 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 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, stereochemistry, and stereochemistry. Structure elucidation via spectrometric techniques. Fall, Spring.
CHM 2211 - 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 - Analytical Chemistry: I: PR: CHM 2210. Priority will be given to students whose major requires this course. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee: $45.00.

CHM 3120 - Analytical Chemistry: PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall, Spring.

CHM 3120L - Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2046L, and PR: or CR: CHM 3120. Experimental exercises illustrating the principles of analysis using gravimetric, gravimetric-potentiometric and photometric methods of analysis including statistical treatment of experimental data, and important aspects of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Occasional. M&S fee: $25.00.


CHM 3411 - Physical Chemistry II: PR: CHM 3410. Continuation of CHM 3410. Spring.

CHM 3411L - Physical Chemistry Laboratory: PR: CHM 3410, and CR: CHM 3410. Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&S fee: $41.00.

CHM 3422 - Applied Physical Chemistry: PR: PHY 2049C and MAC 2312. Physical chemistry as applied to the study of biological and forensic science. Fall.

CHM 4130 - Advanced Analytical Laboratory Technique: PR: or CR: CHM 4131. This course focuses on the experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee: $25.00.


CHM 4610L - Inorganic Chemistry Laboratory: PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall. M&S fee: $25.00.

CHM 4914C - Undergraduate Research Methods: PR: CHM 2211 or CR: CHM 2211L. An introduction to literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall, Spring.

CHM 4930 - Chemistry Seminar I: PR: CHM 3120 or C.I. Student selects a topic and an advisor and prepares a draft seminar. Fall.

CHM 4931 - Chemistry Seminar II: PR: CHM 4930. Student improves the seminar prepared in CHM 4930 (or an approved alternative) and presents it to the Chemistry Department. Fall, Spring.


CHM 5235 - Applied Molecular Spectroscopy: PR: CHM 3120, CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.

CHM 5450 - Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthesis methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Fall.

CHM 5451C - Techniques in Polymer Science: PR: CHM 2211, and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Fall. M&S fee: $45.00.

CHM 5580 - Advanced Physical Chemistry: PR: CHM 3411 and MAC 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.

CHM 5715C - Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 3501 - Introduction to Forensic Science: PR: Preference will be given to students who are considering a career in forensic science. Intended for majors and non-majors to provide an overview of the specialty areas in the forensic crime lab. Spring.

CHS 3505C - Forensic Microscopy: PR: ‘C’ grade or better in CHM 2046 & L and CHS 3501; and PR: or CR: PHY 2040C. Techniques used in the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee: $45.00.

CHS 3511C - Trace Evidence: PR: ‘C’ grade or better in CHS 3505C & CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&S fee: $45.00.

CHS 3514C - Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analyzing evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3530C - Forensic Analysis of Controlled Substances: PR: ‘C’ grade or better in CHM 2211, PR: or CR: CHS 3501 and CHS 3505C. Study of controlled substances, modern instrumental techniques in identification of controlled substances. Fall. M&S fee: $45.00.

CHS 3533 - Forensic Biochemistry I: PR: ‘C’ or better in PCB 3063 and PCB 3033. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.


CHS 3595 - Forensic Science in the Courtroom: PR: or CR: CHS 3501 and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.


CHS 4506C - Forensic Investigation Technology: PR: A grade of ‘C’ or better in CHS 3505C or C.I. Modern technology applied to forensic investigation. Occasional.

CHS 4515C - Forensic Crime Scene Investigation: PR: Grade of ‘C’ or better in CHS 3511C. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

### UCF Courses and Descriptions

**CHS 4537** COS-CHEM 2(2.0)
Forensic Laboratory Quality Assurance: PR: Grade of C or better in CHS 3501, CHS 3505, and CHS 3533 or C.I. Concepts and principles of quality assurance and quality systems management in forensic laboratories. Fall.

**CHS 4541C** COS-CHEM 2(1.3)
Fire and Debris Analysis II: PR: CHS 3540C or C.I. Applications of forensic science to the courts. Focuses on techniques and procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.

**CHS 4547C** COS-CHEM 3(2.3)

**CHS 4591** COS-CHEM 4(0.40)
Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. May be repeated for credit. Occasional.

**CHS 4615** COS-CHEM 3(0.0)
Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Offered. Spring.

**CHS 5502** COS-CHEM 3(3.0)

**CHS 5503** COS-CHEM 3(3.0)
Topics in Forensic Science: PR: Graduate status or C.I. Will include the history of Forensic Science and current issues such as Digital Evidence. 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 3533, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Occasional.

**CIS 3003** ECS-CS 3(3.0)

**CIS 3360** ECS-CS 3(3.0)

**CIS 4313** ECS-CS 3(3.0)

**CIS 4361** ECS-CS 3(3.0)
Secure Operating Systems and Administration: PR: COP 4600 or CGS 3763. Understanding of security, 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 Systems Development and Assessment: PR: COP 4600 or CGS 3763 (and CHS 3360 or CIS 3362) or C.I. Thread modeling, Secure code life-cycle, Buffer overflows, race conditions and format string problems, Inputs and clients, File System, Cryptography applications, UMLsec, Java security and Reverse engineering. 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 performace problems, basic performance concepts, quantitative models for web performance, planning the capacity of web services, understanding and characterizing the workload, measuring performance. Occasional.

**CIS 5378** ECS-CS 3(3.0)
Designing Secure Transactions in Web Applications: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Secure electronic commerce, data indirection, shell command injection, cross-site scripting, Web Trojans, symmetric encryption, secure transactions, application vulnerabilities, threats and hackers. Spring.

**CJC 3010** HPA-CJ/LS 3(3.0)
Corrections and Penology: PR: CJC 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.

**CJC 3134** HPA-CJ/LS 3(3.0)

**CJC 3164** HPA-CJ/LS 3(3.0)
Community-Based Corrections: PR: CJC 3024 and CJC 3134 or C I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.

**CJC 4174** HPA-CJ/LS 4(4.0)
Policy Development in Law Enforcement: PR: CJC 3510 or C.I. A study of contemporary foreign criminal justice systems. Examines political and social issues inherent in the development of laws, policies, and Administrative and practice. Occasional.

**CJC 4410** HPA-CJ/LS 3(3.0)
Foundations of Corrections: PR: CJC 3024 or C.I. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. Occasional.

**CJC 4502** HPA-CJ/LS 3(3.0)
Community-Based Corrections: PR: CJC 3024 and CJC 3134 or C.I. An overview and analysis of correctional interventions and treatment programs in the community. Occasional.

**CJC 4410** HPA-CJ/LS 3(3.0)

**CJC 5020** HPA-CJ/LS 3(3.0)

**CJC 3001** HPA-CJ/LS 3(3.0)
CJ Information Technology and Data Management: PR: CCJ 3024. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. Occasional.

**CJE 3014H** HPA-CJ/LS 3(3.0)
Honors Juvenile Offenders: An Integrative Perspective: PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders. Occasional.

**CJE 4012** HPA-CJ/LS 3(3.0)
Criminal Profiling in Criminal Justice: PR: CJC 3024 or C.I. Examines the various roles of crime profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

**CJE 4014** HPA-CJ/LS 3(3.0)
Police and Society: PR: CJC 3024 or C.I. An examination of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

**CJE 4174** HPA-CJ/LS 4(4.0)
Comparative Justice Systems: PR: CJC 3024 and CJC 3510 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.

**CJE 4352** HPA-CJ/LS 3(3.0)
Policy Development in Law Enforcement: PR: CJE 4014. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.

**CJE 4410** HPA-CJ/LS 3(3.0)
Community Policing: PR: CJC 3014, CJE 4014. The viability of community policing. The theoretical basis for community interventions are examined. Focuses on the daily operations required by community policing. Occasional.

**CJE 4572** HPA-CJ/LS 3(3.0)
Justice Agency Operations: PR: CJC 3024 and CJC 3450 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.

**CJE 4610** HPA-CJ/LS 3(3.0)
Criminal Investigation I: PR: CJE 4014. Course acquaints students with basic Procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.

**CJE 4630** HPA-CJ/LS 3(3.0)

**CJE 4654** HPA-CJ/LS 3(3.0)

**CJE 4663** HPA-CJ/LS 3(3.0)
Crime Analysis I: PR: CJ 4654. Provides the essential data analysis skills necessary to effectively analyze crime, understand crime data structures and the problems inherent in crime data. Occasional.

**CJE 5021** HPA-CJ/LS 3(3.0)

**CJE 5120** HPA-CJ/LS 3(3.0)
Personnel Management in Criminal Justice Organizations: PR: Graduate standing or C.I. This course provides a general overview of the issues and problems in the management of criminal justice agencies with an emphasis on best practices. Spring.

**CJE 5668** HPA-CJ/LS 3(3.0)
CJJ 4564 HPA-CJ/LJS 3(3,0)  
Juvenile Justice System: PR: CCJ 3024 and CJL 3510. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.

CJJ 3110 HPA-CJ/LJS 3(3,0)  
Criminal Law in Action: Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJJ 3510 HPA-CJ/LJS 3(3,0)  
Prosecution and Adjudication: PR: CCJ 3024 or PLA 3014 or C.I. Examination of structures and goals of offices of prosecution and criminal trial courts, and of the processes of charging, adjudicating, and sentencing defendants. Fall, Spring.

CJJ 4010 HPA-CJ/LJS 3(3,0)  
Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages; including stop and frisk; arrests; searches and seizures wiretapping; and interrogations. Occasional.

CJJ 4046 HPA-CJ/LJS 3(3,0)  

CJJ 4410 HPA-CJ/LJS 3(3,0)  
Legal Aspects of the Criminal Court Process: PR: CCJ 3024. The legal dimension of various court decision making stages, including; bail; charging; pre-Iminary hearing; grand jury; pretrial hearings; plea hearings; trial; and sentencing. Occasional.

CJJ 4514 HPA-CJ/LJS 3(3,0)  

CJJ 5049 HPA-CJ/LJS 6(6,0)  
International Perspectives on Law and Justice: PR: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.

CJT 3803 HPA-CJ/LJS 3(3,0)  

CJT 3821 HPA-CJ/LJS 3(3,0)  
Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. Occasional.

CJT 4843 HPA-CJ/LJS 3(3,0)  
Risk Management in Criminal Justice/Private Security: PR: SCC 3311. This course examines the concept of risk management in a criminal justice context. Occasional.

CLP 3004 HPA-PS/CH 3(3,0)  

CLP 3143 HPA-PS/CH 3(3,0)  
Abnormal Psychology: PR: PSY 3012 and PPE 3003. Classification, causation, and treatment of deviant patterns of behavior. Fall, Spring.

CLP 3143H HPA-PS/CH 3(3,0)  

CLP 3184 HPA-PS/CH 3(3,0)  
Women’s Mental Health: PR: PSY 3012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. Occasional.

CLP 3302 HPA-PS/CH 3(3,0)  
Clinical Psychology: PR: PPE 3003 and CLP 3143. An overview of approaches to psychological theories, methods of clinical assessment, and various approaches to individual and group counseling. Fall, Spring.

CLP 3413 HPA-PS/CH 3(3,0)  
Contemporary Behavior Therapy: PR: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. Occasional.

CLP 3467C HPA-PS/CH 3(2,2)  
Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 3012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.

CLP 4134 HPA-PS/CH 3(3,0)  

CLP 4314 HPA-PS/CH 3(3,0)  
Health Psychology: PR: CLP 3143, PSB 3002, PPE 3003. Theoretical and empirical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empirical phases of prevention, assessment and intervention approaches for these focal areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. Occasional.

CLP 4390 HPA-PS/CH 3(3,0)  
Forensic Psychology: PR: PSY 3012 and SOP 3751. Clinical practice of psychology within the legal system, including evaluation of competency/insanity, treat- ment, and criminal profiling. Spring.

CLP 4402C HPA-PS/CH 3(2,2)  

CLP 5166 HPA-PS/CH 3(3,0)  
Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5187 HPA-PS/CH 3(3,0)  
Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CLT 3370 HPA-PS/CH 3(3,0)  
Classical Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 3020, or LIT 2120. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.

CLT 3378 HPA-PS/CH 3(3,0)  
Comparative Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 3020, or LIT 2120. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.

COP 3330 and COP 3502C. Client-server architecture. Server-side scripting, Servlets, JSP, PHP, JDBC and MySQL database; connectivity, Multi-threaded Java applications. J2EE development. SSL, Event-driven programing. Fall, Spring.

COP 5008 HPA-COMM 3(3,0)  
Analysis of Computer Communication Networks: PR: COT 3106C. STA 2322. MAC 2312. Network design using layering, Introduces cabling, topology, architecture, hardware and software. Includes performance analysis and control issues such as contention control, error control, contention resolution. Occasional.

COP 2347C HPA-COMM 1(1,1)  
Sports Speaking and Interviewing: PR: SCI 1062. Practicum to prepare students to speak in public forums and to participate in interviews with the mass media. Gradized SU. Occasional.

COM 3011C HPA-COMM 3(3,0)  

COM 3013 HPA-COMM 3(3,0)  
Communication and the Family: PR: SCI 1062. The ways members of a family unit interact verbally and nonverbally to influence one another. Even Fall.

COM 3040 HPA-COMM 3(3,0)  
Health Communication: PR: COM 3312 or C.I. Theories and research about the role communication plays in health. Occasional.

COM 3110 HPA-COMM 3(3,0)  
Business and Professional Communication: PR: Majors only, SCI 1062 or C.I. Theoretical and practical principles associated with human communication in interpersonal, public, and professional contexts. Fall, Spring.

COM 3101H HPA-COMM 3(3,0)  
Honors Business and Professional Communication: PR: Majors only, SCI 1062 or C.I. and consent of Honors. Theoretical and practical training in effective presessional speaking for business and professions. With Honors Content. Occasional.

COM 3120 HPA-COMM 3(3,0)  
Organizational Communication: PR: PR or CR: COM 3311, or C.I. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.
COM 3311 COS-COMM 3(3,0)

COM 3330 COS-COMM 3(3,0)
Computer Mediated Communication: PR: CGS 1060C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Even Spring.

COM 3332 COS-COMM 3(3,0)
Communication, Technology, and Change: PR: SPC 1608. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Fall.

COM 3406 COS-COMM 3(3,0)
Role of Motivation in Communication: PR: PR or CR: COM 3311. PR: Motivation theories that directly affect the process of human communication. Occasional.

COM 4014 COS-COMM 3(3,0)
Gender Issues in Communication: PR: SPC 1608 and Junior Standing. A study of how communication exchanged, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Occasional.

COM 4416 COS-COMM 3(3,0)
Terrorism and Communication: PR: COM 3311 or C.I. How terrorism is a communication process. How mass media, symbols, linguistic devices, e-terrorism, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. Fall.

COM 4461 COS-COMM 3(3,0)
Intercultural Communication: Study of variables affecting messages as participants in intercultural contexts. Fall, Even Spring.

COM 4462 COS-COMM 3(3,0)
Conflict Management: PR: PR or CR: COM 3311, or C.I. The study of communication in everyday conflicts. Fall, Spring.

COP 3223 ECS-CS 3(3,0)
Introduction to Programming with C: Equivalent to EGN 3111. Programming in C including arrays, pointer manipulation, and use of standard C math and I/O libraries. Fall, Spring.

COP 3223H ECS-CS 3(3,0)
Honors Introduction to Programming with C: PR: Consent of Honors. Programming in C including arrays, pointer manipulation and use of standard C math and I/O libraries. With Honors content. Fall.

COP 3330 ECS-CS 3(3,0)
Object Oriented Programming: PR: COP 3223. Object oriented programming concepts (classes, objects, methods, encapsulation, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA. Fall, Spring.

COP 3402 ECS-CS 3(3,0)
Systems Software: PR: COP 3502C. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3502C ECS-CS 4(3,1)
Computer Science II: PR: COP 3502C and COP 3300C. Algorithm analysis and design for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. Fall, Spring.

COP 3503H ECS-CS 4(3,1)
Honors Computer Science II: PR: Permission of Honors and (COP 3502H or COP 3502C) and (MAD 2104 or COP 3300C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With honors consent. Fall.

COP 4020 ECS-CS 3(3,0)
Programming Languages I: PR: COP 3503C and COP 3300. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms object-oriented, functional and logic programming are presented. Fall, Spring.

COP 4331C ECS-CS 4(3,1)
Processes for Object-Oriented Software Development: PR: COP 3502C, COP 3300, COP 3960 (Foundation Exam - for Computer Science students). Concepts, principles and methodologies for developing large software systems featuring a team project using object-oriented design in UML and implementation in C++. Occasional.

COP 4516C ECS-CS 3(1,3)
Problem Solving Techniques and Team Dynamics: PR: COP 3502C. Problem-solving processes and development of strategies and team for developing large software systems featuring a team project using object-oriented design in UML and implementation in C++. Occasional.

COP 4520 ECS-CS 3(3,0)
Concepts of Parallel and Distributed Operating Systems: PR: COP 3402 and COP 3503C and COP 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4600 ECS-CS 3(3,0)

COP 4610L ECS-CS 3(3,0)
Operating Systems Laboratory: PR: COP 3502C. Exercises in the configuration, development, management and analysis of operating systems; OS Kernel support for multithreading, multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.

COP 4710 ECS-CS 3(3,0)
Database Systems: PR: COP 3503C. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910 ECS-CS 3(3,0)
Frontiers in Information Technology: PR: COP 4910L or COP 4703C. Research into leading edge information technology that have a high likelihood of affecting the work place in the two to five year time frame. Spring.

COP 5021 ECS-CS 3(3,0)
Program Analysis: PR: COP 4020 and COP 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0)
Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithmic data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611 ECS-CS 3(3,0)

COP 5711 ECS-CS 3(3,0)
Parallel and Distributed Database Systems: PR: COP 3502C and COP 3300C. Database systems for distributed environment, parallel database design, query processing, multidatabase systems. Occasional.

COT 3100C ECS-CS 3(3,1)
Introduction to Discrete Structures: PR: MAC 1114, MAC 1144, Logic, sets, functions, relations, combinatorics, graphs, Boolean algebra, finite-state machines, Turing machines, insolvability, computational complexity. Fall, Spring.

COT 3100H ECS-CS 3(3,0)

COT 3360 ECS-CS 3(0,1)
Foundation Exams: PR: COP 3502C AND COP 3300C. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and application. For 4000 and 5000 level CS electives. Graded SU. Fall, Spring.

COT 4210 ECS-CS 3(3,0)

COT 4400 ECS-CS 3(3,0)

COT 4500 ECS-CS 3(3,0)

COT 4810 ECS-CS 3(3,0)
Topics in Computer Science: PR: COP 3402 and COP 3502C and COP 3960. A range of topics from the field of Computer Science: application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5210 ECS-CS 3(3,0)
Formal Languages and Automata Theory: PR: COP 4020 and COP 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems, LR(k) grammars. Fall, Spring.

COT 5405 ECS-CS 3(3,0)

COT 5520 ECS-CS 3(3,0)

CPO 3034 COS-POLS 3(3,0)
Politics of Developing Areas: Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.

CPO 3103 COS-POLS 3(3,0)
Comparative Politics: PR: POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.
CPO 3104 COS-POLS 3(3,0) Politics of Western Europe: PR: POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era. Odd Spring.

CPO 3132 COS-POLS 3(3,0) Canadian Studies: A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.

CPO 3403 COS-POLS 3(3,0) Politics of the Middle East: PR: POS 2041 or C.I. An examination of the dynamics of Middle Eastern politics, including both regional and international dimensions. Even Fall, Spring.

CPO 3403H COS-POLS 3(3,0) Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle Eastern politics, including both regional and international dimensions. Honors level content. Occasional.

CPO 3614 COS-POLS 3(3,0) Politics of Eastern Europe: PR: POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Occasional.

CPO 4047 COS-POLS 3(3,0) Politics of the NAFTA Region: PR: POS 2041 or C.I. Comparative political analysis of NAFTA region, analyzing important political and socio-economic issues. Occasional.


CPO 4074 COS-POLS 3(3,0) Political Economy: PR: Junior standing or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.

CPO 4101 COS-POLS 3(3,0) Politics of the European Union: PR: POS 2041 or C.I. Comparative political analysis of the EU and EU institutions and policies from a comparative perspective. Spring.

CPO 4123 COS-POLS 3(3,0) Government and Politics of Great Britain: A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain's foreign policy and European role will be discussed. Even Spring.

CPO 4303 COS-POLS 3(3,0) Comparative Latin American Politics: Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Even Fall.

CPO 4445 COS-POLS 3(3,0) Comparative Political Parties: PR: POS 2041, and Junior standing or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.

CPO 4514 COS-POLS 3(3,0) Politics of East Asia: PR: POS 2041 or C.I. Major trends in political, economic, and socio-cultural aspects in the East Asian region. Occasional.

CPO 4541 COS-POLS 3(3,0) Chinese Politics: PR: POS 2041 or C.I. China's political development since 1949. Occasional.

CPO 4553 COS-POLS 3(3,0) Politics of Japan: PR: POS 2041 or CPO 3103 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. Fall.

CPO 4643 COS-POLS 3(3,0) Government and Politics of Russia: Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. Occasional.

CPO 4710 COS-POLS 3(3,0) Women in Comparative Politics: PR: Junior standing or C.I. Cross-cultural perspective on women in politics; how women behave politically in various political and economic contexts. Occasional.

CPO 4754 COS-POLS 3(3,0) Comparative Political Institutions: PR: POS 2041, Jr. standing or C.I. The course analyzes major types of political institutions from a comparative perspective, including electoral laws, division of power, types of democracy, federalism, and the judiciary. Occasional.

CPO 4784 COS-POLS 3(3,0) Political and Economic Inequality in Comparative Perspective: PR: POS 2041, Jr. standing or C.I. Examination of the nature of the link between across countries with different political and economic institutions. Occasional.


CPO 5334 COS-POLS 3(3,0) Contemporary Politics of the Mayan Region: PR: Graduate status or senior standing or C.I. Analysis of issues affecting all peoples living in the contemporary Mayan region, including Mexico, Central America, and parts of South America. Occasional.

CRW 3010H CAH-ENG 3(3,0) Honors Creative Writing: PR: Honors GPS completion and permission of Honors. Theory and techniques of literary genres with honors level content; practice and critique of original writing by peers and critical reading of established authors. Occasional.

CRW 3011 CAH-ENG 3(3,0) Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENC 1102. Open to non-majors. The techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. Fall, Spring.

CRW 3013 CAH-ENG 3(3,0) Creative Writing for English Majors: PR: English major or minor, junior standing, and grade of C (2.0) or better required in ENC 1102, or C.I. Literary genres; practice and critique of peer writing; critical reading of established authors. Fall, Spring.

CRW 3053 CAH-ENG 3(3,0) Theory & Practice of Creative Writing: PR: ENC 1101 & ENC 1102, completed with a grade of "C" or better. Examination of the genres and readings in contemporary creative writing with attention to literary technique, and discussion of issues in the field. Fall, Spring.

CRW 3120 CAH-ENG 3(3,0) Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. Fall, Spring.

CRW 3211 CAH-ENG 3(3,0) Creative Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.

CRW 3311 CAH-ENG 3(3,0) Structure of Verse: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.

CRW 3540 CAH-ENG 3(3,0) Literary Magazines: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying emerging policies in publication of contemporary literature. Occasional.

CRW 3610 CAH-ENG 3(3,0) Writing Scripts: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Theory and practice of writing scripts for film and TV. Occasional.

CRW 3950 CAH-ENG 3(3,0) The Writing Life: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Close study of style and craft in exemplar works of fiction and creative nonfiction from various time periods. Occasional.

CRW 4112 CAH-ENG 3(3,0) Advanced Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4142 CAH-ENG 3(3,0) Advanced Poetry Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and CRW 3211, CRW 3310, or CRW 3610 or C.I. Critical/non-fiction/craft works and fictional works by a series of authors. Occasional.

CRW 4144 CAH-ENG 3(3,0) History of Prose Style: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, or C.I. Study of science fiction literature and writing of original science fiction stories. Workshop format with critique of writing assignments. Occasional.

CRW 4224 CAH-ENG 3(3,0) Advanced Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and CRW 3120, or C.I. Investigation of poetry and poetic writing for all aspects of editing The Cypress Dome-UCF's student literary journal. Fall, Spring.

CRW 4320 CAH-ENG 3(3,0) Advanced Poetry Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, or C.I. Giving, receiving and exploring criticism of poetry. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4616 CAH-ENG 3(3,0) Advanced Scriptwriting Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3610, or C.I. Instructor/creative writing workshop for scriptwriting. Peer critique and group discussion of original manuscripts. Fall, Spring.
CWR 4804 CAH-ENG  3(0,3)
Creative Writing in the Community: PR: English major, junior standing, and a grade of C (2.0) or better required in CWR 3013, CWR 3053, and C.I. Hands-on experience with all aspects of Florida Review publishing, editing, and production in conjunction with this national journal. Fall, Spring.

CWR 5120 ECS-CECE  3(3,0)

CWR 5125 ECS-CECE  3(3,0)

CWR 5201 CAH-THEA  3(2,1)
Creative Writing Workshop: PR: Admission to Creative Writing MFA and C.I. Student writers present their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 4 times. Fall, Odd Spring.

CWR 5310 CAH-ENG  3(0,3)
Form and Theory in Creative Writing: PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of creative writing of given genre (poetry, short fiction, etc.) May be repeated for credit only when course content is different. Occasional.

CWR 5948C CAH-ENG  3(2,1)
Creative Writing Service Learning: PR: Admission to MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

CWR 3201 ECS-CECE  3(3,0)

CWR 4101C ECS-CECE  3(2,2)
Hydrology: PR: STA 3032, CWR 3201. Hydrological cycle, problems of flooding, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. Fall, Spring. M&S fee: $15.00.

CWR 4203C ECS-CECE  3(2,2)
Hydraulics: PR: CWR 3201 Continuation of CWR 3201 with emphasis on piping networks, pumps, and hydraulic systems. Lab-safety and design with civil and environmental engineering applications. Fall, Spring. M&S fee: $20.00.

CWR 4812C ECS-CECE  3(2,2)
Water Resources Design: PR: CWR 4101C. CWR 4203C. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&S fee: $15.00.

CWR 5125 ECS-CECE  3(3,0)
Groundwater Hydrology: PR: CWR 4203C or equivalent. Theories of groundwater movement, geologic factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.

CWR 5205 ECS-CECE  3(3,0)

CWR 5515 ECS-CECE  3(0,3)
Numerical Methods in Civil and Environmental Engineering: PR: CWR 4101C. CWR 4203C. This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.

CWR 5545 ECS-CECE  3(3,0)

DAA 2300 ED-CFCS  3(2,0)
Ballroom Dance: Instruction in selected ballroom dances: foxtrot, waltz, rumba, swing, samba, cha-cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2301 CAH-THEA  3(2,1)
Ballet I: PR: Theatre major. Dance minor, or department consent. Fundamentals of classical ballet, includes practical dance work as well as dance history lectures. Fall.

DAA 2351 ED-CFCS  2(2,0)
Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (merengue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2393C CAH-THEA  3(2,1)
World Dance: PR: Theatre major. Dance minor, or department consent. Theory and applied technique of world dance. Fall, Spring.

DAA 2520C CAH-THEA  3(2,1)
Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall, Spring.

DAA 2521C CAH-THEA  3(2,1)
Tap Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2520C. Advanced tap uses of step, style, and technique of tap dance. Fall, Spring.

DAA 2570C CAH-THEA  3(2,1)
Jazz Dance I: PR: DAA 2500C, and Theatre major; or Dance minor, or department consent. Basic movement patterns of American Jazz dance, including practical class work and Jazz dance history. Fall, Spring.

DAA 2571C CAH-THEA  3(2,1)
Jazz Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2570C. Intermediate Jazz dance using theory and practice in jazz technique. Spring.

DAA 3108C CAH-THEA  3(2,1)
Modern Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Advanced exploration of form, style, and technique in creative movement. May be repeated for credit. Spring.

DAA 3208C CAH-THEA  3(2,1)
Ballet III: PR: Theatre major. Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Advanced classical ballet technique, including principles, theory, and practical technique. May be repeated for credit. Fall.

DAA 3345 CAH-THEA  2(0,VAR)
Choreography Practicum: PR: Theatre major. Dance minor, or department consent. Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Spring.

DAA 393C CAH-THEA  1(0,VAR)
Dance Performance: PR: Theatre major, Dance minor, or department consent. Performance of original and selected works. Fall, Spring.

DAE 3370 ED-CFCS  3(1,2)

DAN 3134 CAH-THEA  3(3,0)
Dance History I: PR: DAA 2200C or DAA 2520C or DAA 2570C or DAA 2393C. Theatre and major, Dance minor, or department consent. The roots, trends, and styles of dance of prehistory through the early 20th century. Fall, Spring.

DEP 2004 COS-PsyCh  3(3,0)

DEP 2004H COS-PsyCh  3(3,0)
Honors Developmental Psychology: PR: PSY 2012 and consent of Honors College. Psychological, maturational, and social factors on behavior throughout the life cycle. With Honors content. Fall.

DEP 3202 COS-PsyCh  3(3,0)

DEP 3464 COS-PsyCh  3(3,0)
Psychology of Aging: PR: PSY 2012. An examination of basic psychological processes related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social emotional, and cognitive-intellectual functioning. Occasional.

DEP 5057 COS-PsyCh  3(3,0)
Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. Spring.

DIG 2000 CAH-DIG  3(3,0)
Introduction to Digital Media: PR: ENC 1101 and MAC 1105. Introduction to history, principles, and processes associated with digital media and designing for digital media with emphasis on production and communication. Fall, Spring.

DIG 2030C CAH-DIG  3(2,2)

DIG 2109C CAH-DIG  3(2,2)

DIG 2405 CAH-DIG  3(3,0)
Visual Language of the Moving Image: PR: Minimum grade of “B” (3.0) or better in DIG 2000. Conceptual structure and design of visual storytelling. Principles, mechanics, character development, personality of place, exaggeration and effects. Fall, Spring.

DIG 2500C CAH-DIG  3(2,2)
DIG 2821 CAH-DIG 3(3,0) Creative Digital Media Problem Solving: PR: Minimum grade of "B" (3.0) in DIG 2000. Practical tools to enhance the creative process in the development of new, novel, and useful ideas for digital media. Fall, Spring.


DIG 3035 CAH-DIG 1(1,0) Digital Media in the Workplace: PR: ENC 1102. Workforce skills preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 3134 CAH-DIG 3(3,0) Media Software Design: PR: DIG 2000 and COP 2500C with a minimum grade of "B" (3.0) in DIG 2000. Fundamentals of software design in Internet environments. Introduction to discrete mathematics, programming/design schema, and computational structures. Fall, Spring.

DIG 3151 CAH-DIG 3(3,0) Writing for Digital Media: PR: Minimum grade of "B" (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals to the following areas: language theory, document design, markup languages, and the editing process. Fall, Spring.

DIG 3253C CAH-DIG 3(2,2) Digital Media Audio: PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination of use of audio and MIDI sequencing software. Fall, Spring.

DIG 3355C CAH-DIG 3(2,2) Artificial Environments and Effects: PR: DIG 2485 and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, or concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall.

DIG 3362C CAH-DIG 3(2,2) Artificial Characters: PR: DIG 2485 and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. Fall.


DIG 3450 CAH-DIG 3(3,0) Interactive Performance I: PR: Admission to the program only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 3450H CAH-DIG 3(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 consent. Occasional.

DIG 3480C CAH-DIG 3(2,2) Computer as a Medium: PR: DIG 2500C, COP 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Fundamentals of client-side scripting with an emphasis on its development of interactive web sites using current scripting languages. Fall, Spring.

DIG 3525 CAH-DIG 3(3,0) Digital Media Production I: PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organization and execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.


DIG 3563 CAH-DIG 3(3,0) Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-DIG 3(2,2) Internet Interaction: PR: DIG 3480C. Front end planning and design of web pages. Design using markup languages and style sheets for visually pleasing and usable interactive interfaces. Fall, Spring.

DIG 3811 CAH-DIG 3(3,0) User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.

DIG 3951 CAH-DIG 3(0,0) Visual Language Portfolio Review: PR: C.I. Review of digital work and artistic works in a student's portfolio. Graded S/U. Fall.

DIG 4104C CAH-DIG 3(2,2) Web Design Workshop: PR: DIG 3134C, DIG 3716C, and DIG 3811. Students will practice designing and implementing professional-quality websites. May be taken in the degree program a maximum of 2 times. Fall, Spring.


DIG 4208C CAH-DIG 3(1,4) New Imagery in Motion Workshop: PR: DIG 4323C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio in digital projects. Spring.

DIG 4323C CAH-DIG 3(1,4) Modeling for Visual Language: PR: DIG 4204C, successful portfolio, or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they behave in a believable and expressive manner for digital production. Fall.


DIG 4325C CAH-DIG 3(1,4) Look Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. Spring.

DIG 4326C CAH-DIG 3(1,4) Geometrical Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques and mechanics of designing and manipulating geometrical representations of artificial characters and their environments; introduction to procedural models. Spring.

DIG 4354C CAH-DIG 3(1,4) Advanced 3D Animation: PR: DIG 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-DIG 3(1,4) Artificial Environments and Effects Workshop: PR: DIG 3555C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositing, image processing, visual style, visual continuity. Spring.

DIG 4369C CAH-DIG 3(1,4) Artificial Characters Workshop: PR: DIG 3386C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. Spring.

DIG 4373C CAH-DIG 3(1,4) 3D Textures: PR: DIG 4369C, successful portfolio review, or C.I. Advanced application of lighting and surface attributes, improving on the tools, concepts, and techniques learned in previous 3D courses. Spring.

DIG 4394C CAH-DIG 3(1,4) Motion Graphics: Advanced Compositing: PR: DIG 4593C, successful portfolio review, or C.I. Advanced compositing techniques including 3D motion tracking, light, particles, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as pertaining to 3-D Content. Spring.

DIG 4434C CAH-DIG 3(1,4) Narrative Techniques in the Moving Image I: PR: DIG 4431C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language employed in story production focusing on advancing a narrative and driving emotion. Spring.

DIG 4451C CAH-DIG 3(1,4) Visual Language of Moving Image II: PR: DIG 4450C, successful portfolio review, or C.I. Application of techniques taught to design, create, and refine visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.

DIG 4503 CAH-DIG 3(3,0) Rapid Application Web Development: PR: DIG 3134C and DIG 3716C. Asynchronous web development using current server-side and client-side scripting techniques and database technologies. Fall, Spring.

DIG 4522 CAH-DIG 3(3,0) Digital Media Service: PR: DIG 3305. Practicum in which students utilize their digital media skills to create media rich products. May be taken in the degree program a maximum of 4 times. Fall, Spring.

DIG 4523L CAH-DIG 1(0,3) Digital Media Service III: PR: DIG 4522L, and a minimum grade of "B" (3.0) or better in DIG 2000. Participation as a leader in a consulting service for selected clients both within and external to the university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. Even Fall, Spring.

DIG 4524L CAH-DIG 3(0,3) Digital Media Project I: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Multidisciplinary students work with faculty and industry mentors to design and implement a project involving virtual reality, video game production, computer animation, or interaction with the theme park industry. Odd Fall, Even Spring.

DIG 4526 CAH-DIG 3(3,0) Digital Media Production II: PR: DIG 3526 and a minimum grade of "B" (3.0) or better in DIG 2000. Management and execution of large digital media projects, using structured methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4528 CAH-DIG 3(0,0) Digital Media Project II: PR: DIG 4524L and a minimum grade of "B" (3.0) or better in DIG 2000. Continuation of IDS 4582. Odd Fall, Even Spring.

DIG 4530C CAH-DIG 3(2,2) Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media theory to e-commerce, Internet security, and online portals. Fall, Spring.

DIG 4740C CAH-DIG 3(2,2) Modeling for Realtime Systems: PR: DIG 2109C and a minimum grade of "C" (2.0) in DIG 4500. Principles of construction of 3D models for real-time applications. Topics include level of detail management and efficiency versus visual quality for video games and simulation. Fall, Spring.

DIG 4855 CAH-DIG 3(3,0) Converging Media Capstone: PR: GEB 3301, 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 5046C CAH-DIG 3(1,3) Principles of Interactive Entertainment II: PR: DIG 4624C. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-DIG 3(3,0) Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. Fall.

DIG 5366 CAH-DIG 3(3,0) Creating Interactive Characters: PR: Admission to Digital Media MS or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded S/U. Fall, Spring.

DIG 5487 CAH-DIG 3(3,0) Principles of Visual Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. Fall.

DIG 5529C CAH-DIG 3(1,3) Production for Media: PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. Fall.

DIG 5548C CAH-DIG 3(1,3) Rapid Prototype Production I: PR: Admission to Digital Media MS or C.I. Students engage in interdisciplinary teams to create rapid development projects. Fall.

DIG 5549C CAH-DIG 3(1,3) Rapid Prototype Production II: PR: DIG 5548C or C.I. Students engage in interdisciplinary teams to create advanced rapid development projects. Fall.


DIG 5627 CAH-DIG 3(3,0) Autonomous Characters: PR: Graduate status or senior standing or C.I. Interdisciplinary study of autonomous characters-computer programs that mimic human behavior in games, simulations and interactive literature. Formal models of strategy, tactics and actions. Occasional.

DIG 5810 CAH-DIG 3(3,0) Ways of Seeing: Cultural and Technological Perspectives: PR: Admission to Film and Digital Media master's program or C.I. Cultural and technological perspectives formed by the intersection of media and cultural studies, art history and criticism, and cinema studies. Fall.

DIG 5835 CAH-DIG 3(3,0) Digital Forensics: PR: CGS 5131 (Computer Forensics I) or C.I. Application of digital scientific techniques to solve information assurance, forensic and legal problems. Occasional.

DIG 5950 CAH-DIG 3(1,3) Interactive Entertainment Capstone: PR: Admission to Digital Media MS. Prepare a product design document and technical design document for a production project. Graded S/U. Fall, Spring.

DSC 4012 HPA-CJ/L 3(3,0) Terrorism: PR: CCJ 3024 and CJE 4014 or C.I. An examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. Occasional.


EAS 4300 ECS-MMAE 3(3,0) Aerothermodynamics of Propulsion Systems: PR: Prof. EAS. Fundamentals: analysis and design considerations of propulsion systems. Turbogas, ramjets and rockets. Spring.

EAS 4400 ECS-MMAE 3(3,0) Spacecraft Attitude Dynamics: PR: EML 4312C. Kinematics and dynamics of rigid and multiphase spacecraft rotational motion. Attitude control with momentum exchange actuators and thrusters. Occasional.

EAS 4404C 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-transforms, system response, Spring. M&S fee: $15.00

EAS 4505 ECS-MMAE 3(3,0) Orbital Mechanics: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, ST 2302 and MAC 3405. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.

EAS 4700C ECS-MMAE 3(1,6) Aerospace Design I: PR: EAS 4200, EAS 3010, EAS 3800C, CR: EML 4312C, EAS 4991. Application of the design process to the team solution of a space-flight project. Assessment of design, and space vehicles, systems and devices are considered. Fall. Spring. M&S fee: $15.00

EAS 4710C ECS-MMAE 3(1,6) Aerospace Design II: PR: EAS 4700C, EAS 4991. Continuation of the design process in the team building and testing of a prototype/model of an aerospace, spacecraft, or system device. Fall. Spring. M&S fee: $45.00

EAS 4901 ECS-MMAE 0(0,0) Aerospace Career and Academic Faculty Advising II: PR: EAS 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.


EAS 5407 ECS-MMAE 3(3,0) Mechatronics Systems: PR: EML 4312C or C.I. Discrete control techniques for aerospace mechatronic systems: Controller design, test and evaluation applications. Odd Spring.

EAS 5535 ECS-MMAE 3(3,0) Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.

EAS 5213 ECS-MMAE 3(3,0) Behavioral Issues of the Emotionally Handicapped: An introduction to functional analysis of the field to include behavior management techniques, theories, legal considerations, counseling skills, etiology, prevention and utilization of community services. Occasional.


EAS 5241 ECS-MMAE 3(3,0) Teaming the Emotionally Handicapped: Instructional strategies with emphasis on motivational strategies, development, implementation and evaluation of the IEP, modification of regular education instructional practices, crisis intervention and prevention. Occasional.

EAS 5244 ECS-MMAE 2(2,0) Instructional Strategies and Curriculum for Students with Emotional Handicaps: PR: EAS 4134; CR: EAS 5244. Instructional strategies and specialized curriculum for teaching students with emotional handicaps with emphasis on instructional techniques and use of curriculum materials and programs. Occasional.

ECM 4504C ECE-ECE 3(4,3) Embedded Computer Systems: PR: EEL 4685C; EEL 4851C, EEL 4852C. Computer Applications in Systems role, sensor and actuator interfacing. Design projects, including program specifications and descriptions, design methodology, implementation, testing, and documentation. Occasional. M&S fee: $12.00

ECM 5135 ECE-ECE 3(3,0) Engineering Math Analysis I: PR: MAP 2302. Topics in advanced engineering mathematics, including systems of differential equations, phase plane, linear algebra, and vector differential calculus. Occasional.

ECM 5741C ECE-ECE 3(2,3) Microcomputer-based Monitoring and Control Systems: PR: EEE 3404C, EEL 4742C or C.I. Machine language programming; software development aids; systems design; interfacing considerations. Occasional.

ECO 2013 BA-ECON 3(3,0) Principles of Macroeconomics: An introduction to macroeconomic thought and the fundamental ideas of the market economy; national income, employment, and price level determination, stabilization policies, and international economics. Fall. Spring.

ECO 2013H BA-ECON 3(3,0) Honors Principles of Macroeconomics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. Fall, Spring.

ECO 2023 BA-ECON 3(3,0) Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.

ECO 2023H BA-ECON 3(3,0) Honors Principles of Microeconomics: PR: Permission of Honors. The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content. Occasional.

ECO 3070 BA-ECON 1(1,0) Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfactory completion of same course. The student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. Graded S/U. May be used in the degree program a maximum of 4 times. Fall, Spring.

ECO 3101 BA-ECON 3(3,0) Intermediate Microeconomics: PR: ECO 2013 and ECO 3401. Theoretical study of the behavior of households, firms, and the government in which they operate with issues and applications. Fall, Spring.


ECO 3410 BA-ECON 3(3,0) Mathematical Economics: PR: ECO 3101. Mathematical methods with particular focus on microeconomic foundations of individual decision-making. Spring.

ECO 3411 BA-ECON 4(4,0) Quantitative Business Tools II: PR: Junior standing. Mathematical methods which focus on microeconomic foundations of the techniques in the analysis of economics and business problems. Fall, Spring.

ECO 3411H BA-ECON 3(3,0) Honors: Quantitative Business Tools II: PR: Same as ECO 3411 with Honors level content. Occasional.

ECO 3703 BA-ECON 3(3,0) International Microeconomics: PR: ECO 3101. Fundamental principles of international trade and foreign exchange, the balance of payments and problems of international political economy. Fall.

ECO 3704 BA-ECON 3(3,0) International Commercial Policy: PR: ECO 2013 and ECO 2023. Presents the fundamentals of international commercial policy, with special emphasis on U.S. trade policy since WW II. Spring.

ECO 4033 BA-ECON 3(3,0) History of Economic Thought: PR: ECO 3101. A study of the principal ideas of the major contributors to the development of economic thought. Occasional.

ECO 4412 BA-ECON 3(3,0) Econometrics: PR: ECO 2013, ECO 2023 and ECO 3411. Concepts and methods of developing, analyzing, and interpreting measures of economic activity, and business and economic change. Even Fall.

ECO 4451 BA-ECON 3(3,0) Research Methods in Economics: PR: ECO 3101, ECO 3201 and ECO 3411. Skills in data collection and analysis, and research presentation. Fall, Spring.

ECO 4504 BA-ECON 3(3,0) Public Economics: PR: ECO 3101. A study of fiscal institutions and decision-making, and how government budgetary policy (spending, taxing, borrowing, and debt management) affects the economy and its citizens. Occasional.

UCF Courses and Descriptions

ECO 4713 BA-ECON 3(3,0)
International Macroeconomics: PR: ECO 3101 or ECO 3223. A junior level macroeconomics with review and analysis of current international macroeconomies, financial issues, policies and events. Occasional.

ECO 4751 BA-ECON 3(3,0)
Law and Economics: PR: ECO 2013 and 2023. Impact of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. Occasional.

ECO 4941 BA-ECON 3(0,0)
Economics Internship: PR: Consent of department chair, ECO 3101, and ECO 3033. Supervised economics-related work experience in a pre-approved sponsoring organization. May be used in the degree program a maximum of 1 time. Occasional.

ECO 5005 BA-ECON 3(0,0)

ECP 3004 BA-ECON 3(0,0)
Seminar on Current Economic Topics: PR: ECO 3101. Content may include, but is not limited to, the analysis of current economic issues and policy, and the study of current economic methods and theories. May be used in the degree program a maximum of 1 time. Occasional.

ECP 3203 BA-ECON 3(0,0)
Labor Economics: PR: ECO 3101 or ECP 4703. The analysis of labor problems and issues in a dynamic contemporary economic through the interaction of the four major institutions: households, firms, government, and unions. Occasional.

ECP 3302 BA-ECON 3(0,0)

ECP 4303 BA-ECON 3(0,0)
Environmental and Natural Resource Economics: PR: ECO 3101. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the micro- and macroeconomic level. Odd Fall.

ECP 4403 BA-ECON 3(0,0)
Industrial Organization and Game Theory: PR: ECO 3101. A study of the performance of industries representative of various types of market structure and practice, as well as the public policies affecting these industries. Fall, Spring.

ECP 4703 BA-ECON 3(0,0)
Managerial Economics: PR: Junior standing, ACG 2071, ECO 2013, ECO 2023 and ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Open for non-majors only. Spring.

ECS 4013 BA-ECON 3(0,0)

EDE 3942 ED-TLP 3(3,0)
Internship I: PR: EDE 4410, RED 3012, RED 4519, MAE 2801, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified teacher. Graded S/U. Fall, Spring.

EDE 4223 ED-TLP 3(0,0)
Integrated Arts and Movement in the Elementary School: PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. Fall, Spring. M&S fee: $10.00

EDE 4943 ED-TLP 7-12(0,35)

EDE 4945 ED-TLP 1(1,0)
Internship II Seminar: PR: All required program courses; CR: EDE 4943 Internship II. Cullminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDE 1942 ED-ES 3(3,0)
Introduction to Educational Internship: Introduction to educational internship with selected partner institutions. Occasional.

EDE 2005 ED-ES 3(3,0)
Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDE 2007 ED-ES 3(3,0)
Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.

EDE 2085 ED-ES 3(3,0)
Introduction to Substitute Teaching for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDE 2130 ED-ES 3(3,0)
Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDE 2250 ED-ES 3(3,0)
Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDE 2720 ED-ES 3(3,0)

EDE 3120 ED-ES 3(3,0)
Observe Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.

EDE 3303 ED-ES 3(3,0)

EDE 3601 ED-ES 3(3,0)
Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDE 3740 ED-ES 3(3,0)

EDE 4214 ED-ES 3(3,0)
Classroom Learning Principles: PR: EDF 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. Fall, Spring.

EDE 4466 ED-ERTL 3(3,0)
Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student placement and instructor performance, and interpretation of standardized test results. Fall, Spring.

EDE 4467 ED-ES 3(3,0)

EDE 4603 ED-ES 3(3,0)
Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDE 4603H ED-ES 3(3,0)
HON Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors credit. Fall.

EDE 5245 ED-ES 3(3,0)

EDE 5607 ED-ES 3(3,0)
Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EGD 1005C ED-ES 2(1,1)
Foundations of Leadership: PR: LEAD Scholars. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EGD 2311 ED-ES 3(3,0)
Teaching Strategies for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EGD 4323 ED-ES 3(3,0)
Professional Teaching Practices: PR: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and adaption of instruction for diverse student populations. Fall, Spring.

EGD 4410 ED-ES 3(3,0)
Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EGD 4941 ED-ES 1-8(0-1-8)
Directed Field Experience: PR: Approval of Professor in Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EGD 4948 ED-ES 3(3,0)
Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.
UCF Courses and Descriptions

EEL 3004 ECS-ECE 3(3,0)
Electrical Networks: PR: MAC 2311, MAC 2312, MAC 2313 and COP 3223. Study of fundamental electrical networks. Circuit analysis techniques are presented, including DC and steady-state analysis. Power calculations, power distribution, and transmission considerations are covered with examples relating to cables, connections, and buses. Not open to EE or CpE majors. Fall, Spring.

EEL 3041 ECS-ECE 3(3,0)
Circuit Analysis: PR: PHYS 2048C, PHYS 2049C, or MAP 2302 or consent of the instructor. Study of electrical networks. Circuit analysis techniques are presented, including DC and steady-state analysis. Power calculations, power distribution, and transmission considerations are covered with examples relating to cables, connections, and buses. Not open to EE or CpE majors. Fall, Spring.

EEL 3123C ECS-ECE 4(3,1)

EEL 3470 ECS-ECE 3(3,0)
Using Fourier series and transforms, sampling theory and functions, Laplace transforms, frequency domain analysis.

EEL 3552C ECS-ECE 4(3,3)
Analog and Digital Communication Fundamentals: PR: EEL 3123C. Fundamentals of AM and FM, Baseband pulse and digital signaling, Bandpass signaling, digital modulation and detection, and error probability of simple digital systems. Fall, Spring. M&S fee: $15.00

EEL 3567 ECS-ECE 3(3,0)
Linear Control Systems: PR: EEL 3123C. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.

EEL 3801C ECS-ECE 3(2,3)

EEL 4050L ECS-ECE 1(0,3)
Eecs Integrated Laboratory: PR: EEL 3552C, EEL 3637, EEL 4790. Topics: Sampling, Digital FIR and IIR Filters, modulation and detection, AM and FM, Baseband pulse and digital signaling, Bandpass signaling, digital modulation and detection, and error probability of simple digital systems. Fall, Spring. M&S fee: $15.00

EEL 4130 ECS-ECE 3(3,0)
Fundamentals of Continuous Simulation: PR: EEL 3552C. Conceptual understanding of continuous system simulation and implementation. Simulation software can be required for credit. Occasional.

EEL 4140C ECS-ECE 4(3,3)
Analog Filter Design: PR: EEL 3123C. Passive and active analog filter design. Fall. M&S fee: $15.00

EEL 4205 ECS-ECE 3(3,0)

EEL 4216 ECS-ECE 3(3,0)
Fundamentals of Electric Power Systems: PR: EEL 3040 or COP 3223. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4436C ECS-ECE 4(3,3)
Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple filter design techniques, wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee: $15.00

EEL 4440 ECS-ECE 3(3,0)
Optical Engineering: PR: EEL 3470, EEL 3552C or COP 3223. Introduction to the design and configuration of laser, detectors, physical optics, interferometric devices, applications to engineering design problems. Spring.

EEL 4512C ECS-ECE 4(3,3)

EEL 4515C ECS-ECE 4(3,3)
Digital Communication Systems: PR: EEL 3552C. Sampling and quantization, PAM, PWM, PTM, PCM, and Delta Modulation ASCII, FSK, PSK, MPSK, introduction to coding. Fall. M&S fee: $15.00

EEL 4518 ECS-ECE 3(3,0)
Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.

EEL 4612 ECS-ECE 3(3,0)

EEL 4635C ECS-ECE 4(3,3)
Computer Control Systems: PR: EEL 3567. Discrete-time systems, the z-transform, and single-loop computer control systems. Digital simulation in the analysis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. Occasional. M&S fee: $15.00

EEL 4742C ECS-ECE 4(3,3)
Embedded Systems: PR: EEL 3801. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee: $30.00

EEL 4750 ECS-ECE 3(3,0)

EEL 4768C ECS-ECE 4(3,3)
Computer Architecture: PR: EEL 3801 or CDA 3103. Computer systems performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic designs, cache and virtual memory, and RISCs. CISc. Fall, Spring. M&S fee: $30.00

EEL 4781 ECS-ECE 3(3,0)

EEL 4783 ECS-ECE 3(3,0)
Hardware Description Languages in Digital Systems Design: PR: EEE 3342C. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. Occasional. M&S fee: $5.00

EEL 4791 ECS-ECE 3(2,4)
Telemetry and Space Computer Systems: PR: EEL 3552C and EEL 3801C, EEL 3637, EEE 3307C, EEL 3470. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch systems “inner and outer stages”. Occasional.

EEL 4817H ECS-ECE 3(3,0)
Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4816H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3,0)
Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 3470 or COP 3223 or STA 3032 or C.I. Machine Learning and Applications. ART Neural Networks, Genetic Algorithms, Decision Trees, Evolutionary Hardware, Evolutionary Neural Networks, and Reinforcement Learning. Fall.

EEL 4832 ECS-ECE 3(3,0)
Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EGN 3420. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations. Fall, Spring.

EEL 4851C ECS-ECE 4(3,3)
Engineering Data Structures: PR: EEL 3801C. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. Fall, Spring. M&S fee: $5.00

EEL 4872 ECS-ECE 3(3,0)
Engineering Applications of Intelligent Systems: PR: EEL 3801C or COP 3223 or C.I. Knowledge and intelligence, predicate logic and automated reasoning, heuristic search, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems, and philosophy of AI. Occasional.

EEL 4882 ECS-ECE 3(3,0)
Engineering Systems Software: PR: EEL 4851C and EEL 4742C, Introduction to operating systems concepts and facilities for engineering applications, including multiprogramming, resource allocation and management, systems utilities, and operating system implementation. Fall, Spring.

EEL 4884C ECS-ECE 4(3,3)
Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE, Analysis, design, and development of a large software project. Fall, Spring. M&S fee: $5.00

EEL 4890 ECS-ECE 3(3,0)

EEL 4914 ECS-ECE 3(3,0)
Senior Design I: PR: EEE 3307C, EEL 4742C, and consent of School of EECS. Applications of engineering concepts in realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L ECS-ECE 3(0,3)
Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering projects including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. Fall, Spring. M&S fee: $15.00

EEL 5173 ECS-ECE 3(3,0)
Linear Systems Theory: PR: EEL 3567. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and state space theory. Spring.

EEL 5245C ECS-ECE 3(2,1)
Power Electronics: PR: EEE 4300C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cyclo-converters, applications. Fall.

EEL 5272 ECS-ECE 3(3,0)
Biomedical Sensors: PR: EEL 4750 or EEL 4832. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.
EEL 5432 ECS-ECE 3(3,0) Satellite Remote Sensing: PR: EEL 3470 or PHY 4324. Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical measurements. Occasional.

EEL 5437C ECS-ECE 4(3,3) Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. Even Fall. M&S fee: $15.00

EEL 5439C ECS-ECE 3(2,1) RF and Microwave Communications: PR: EEL 4436C or equivalent. RF and microwave active circuits, microstrip amplifier, oscillator, and mixer design and fabrication. Receive design, noise, familiarization with network and spectrum analyzers. Occasional. M&S fee: $30.00

EEL 5462C ECS-ECE 3(0,1) Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall. M&S fee: $5.00

EEL 5513 ECS-ECE 3(0,0) Digital Signal Processing Applications: PR: EEL 4750. The design and practical consideration for implementing Digital Signal Processing Algorithms including Fast Fourier Transform techniques, and some useful applications. Spring.

EEL 5517 ECS-ECE 3(0,0) Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter and component performance, Actual devices and communication systems are presented. Occasional.

EEL 5542 ECS-ECE 3(0,0) Random Processes I: PR: EEL 3552C and STA 3032. Elements of probability theory, random variables, and stochastic processes. Fall, Spring.


EEL 5562C ECS-ECE 3(3,0) Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS. Occasional.

EEL 5560 ECS-ECE 3(0,0) Digital Control Systems: PR: EEL 3567. Real-time digital control system analysis and design, 2-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. Fall.

EEL 5569 ECS-ECE 3(0,0) Autonomous Robotic Systems: PR: EEL 3657 or C.I. Introduction to robotics, with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.

EEL 5704 ECS-ECE 3(0,0) Computer Aided Logical Design: PR: EEL 4742C. Design, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware description language. Occasional.

EEL 5722C ECS-ECE 3(1,3) Field-Programmable Gate Array (FPGA) Design: PR: EEE 3342C or C.I. FPGA architectures, design of logic mapping, placement, routing, reconfigurable computing applications, and evolvable hardware. Even Fall.

EEL 5771C ECS-ECE 3(2,3) Engineering Applications of Computer Graphics: PR: EEL 3483C or C.I. Computer graphics in engineering applications. Laboratory assignments. Occasional. M&S fee: $5.00

EEL 5780 ECS-ECE 3(3,0) Wireless Networks: PR: EEL 4781 or C.I. The wireless networking topics include: cellular networks, multiple access, MAC protocols, channel allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA), Even Spring.

EEL 5820 ECS-ECE 3(3,0) Image Processing: PR: MAP 2302, EGN 3420, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825 ECS-ECE 3(3,0) Pattern Recognition: PR: EGN 4240 or C.I. Preliminaries of pattern recognition, Bayesian Decision Theory, linear discriminant functions, Neural Network approaches, decision tree classifiers, unsupervised learning and clustering, non-parametric techniques, and other topics reflecting the state-of-the-art. Occasional.

EEL 5860 ECS-ECE 3(3,0) Software Requirements Engineering: PR: Graduate standing or C.I. Fundamentals of requirements engineering, negotiation and consent, requirements elicitation, analysis, description, and validation. Formal and informal specification. Occasional.

EEL 5878 ECS-ECE 3(0,1) Computer Communication Systems: PR: EEL 4781 or C.I. Design of computer communication systems including hardware design, software development, networking, operating systems, and user interface. Even Fall.


EEL 5936 ECS-ECE 1(1,0) Current Topics in EEC: PR: Open to all EEC graduate students. Lectures presented by ECE and national lecturers will provide our students a broad view of the state of the art EE and CE fields. Graded S/U. Occasional.

EES 411C ECS-CEE 3(2,3) Biological Process Control: PR: Grade of ‘C’ (2.0) or better in ENV 3001; CR: ENV 4631. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bio-energy products, wastewater treatment, and others. Spring. M&S fee: $45.00

EES 4202C ECS-CEE 3(2,3) Chemical Process Control: PR: Grade of ‘C’ (2.0) or better in ENV 3001. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall. M&S fee: $45.00

EES 5318 ECS-CEE 3(3,0) Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. Occasional.

EES 5605 ECS-CEE 3(3,0) Outdoor Noise Control: PR: C.I. Community noise evaluation and control, legislative standards, instrumentation and measurement, abatement methods, and noise modeling. Occasional.

EET 2025C ECS-ENT 3(4,3) Electrical Circuits: PR: EET 1015C or EET 3085C. Frequency domain and steady state analysis of electric circuits, circuits, timed response, resonance and ‘Q’. Filters, magnetically coupled circuits, transformers, 3-phase circuits, power relationships. Occasional. M&S fee: $10.00


EET 3716 ECS-ENT 3(0,0) Network Analysis: PR: DC/AC circuits and Calculus I. Transient analysis of first and second-order circuits, circuit analysis using Laplace Transforms, Transform function, frequency response analysis, and Bode plots. May be repeated for credit. Spring.

EET 4158C ECS-ENT 3(2,2) Linear Integrated Circuits: PR: EET 3716, or Consent of Coordinator. Applications of operational amplifiers, comparators, and operational amplifiers, feedback amplifiers, other integrated circuits. Includes amplifiers, active filters, oscillators, differentiators and integrators. Fall.


EET 4548C ECS-ENT 3(2,2) Power Systems: PR: EET 3085C and EET 2025C or equivalent. Analysis of electrical power systems and energy conversion. 3-phase load, per-unit quantities, circuit constants, rotating machines, 3-phase transformers, transmission lines, power flow, stability and fault calculations. Fall.


EEX 2010 ED-CFC 3(3,0) Introduction to Special Education: Orientation to the education of children with disabilities and their needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall, Spring.

UCF Courses and Descriptions
Course Descriptions

EX 2090 ED-CFCS 3(3,0) Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EX 2758 ED-CFCS 2(2,0) Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. Fall, Spring.

EX 3102 ED-CFCS 3(3,0) Language Development and Communication Disorders: PR: Junior standing, Interdisciplinary approach to language development, identification and remediation of communication and language disorders. Occasional.

EX 3221 ED-CFCS 3(3,0) Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. Fall, Spring.

EX 3241 ED-CFCS 3(3,0) Methods for Academic Skills for Exceptional Students: PR: EEX 2010, EEX 3861. Teaching strategies, instructional materials, and monitoring techniques for children and adolescents with special needs. Must be taken before Internship I. Fall, Spring.

EX 3243 ED-CFCS 3(3,0) Techniques for Exceptional Adolescents-Adults: CR: EEX 3241. A study of strategies, basic and functional content, career and vocational educational, and transition planning for adolescents and adults with special needs. Spring.

EX 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. Fall, Spring.

EX 3754 ED-CFCS 3(3,0) Parents as Educators: Develop parental awareness of their role in child development and school success. Attention given to social context of parenting and parents as advocates for children. Occasional.


EX 3942 ED-CFCS 3(3,0) Exceptional Services (Honors): PR: EEX 4410, RED 3012, EEX 2010, EEX 3241, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EX 4054 ED-CFCS 2(2,0) Application and Theories for Students with Special Needs: PR: EEX 2010, EDOG 4323. Theories and historical foundations for students with specific learning, physical, cognitive, and emotional disabilities. Spring.


EX 4070 ED-CFCS 3(3,0) Teaching Exceptional Students: PR: EDOG 4323. Development and practices of effective teaching and management strategies for elementary regular classroom teachers to use in working with mild disabilities. Fall, Spring.

EX 4242 ED-CFCS 3(3,0) Teaching Exceptional Students in Secondary Settings: PR: EDF 4065, EDOG 4323. Instructional and management strategies for secondary general education teachers to use in working with students with disabilities. Fall, Spring.

EX 4601 ED-CFCS 3(3,0) Introduction to Behavior Management: Study of management techniques based on applied behavior analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. Fall, Spring.

EX 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.

EX 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, Spring.

EX 4757 ED-CFCS 3(3,0) Respite Care: PR: Junior Standing or C.I. General learning disabilities, strategies for teaching students with special needs. Fall, Spring.

EX 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.

EX 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.

EX 5051 ED-CFCS 3(3,0) Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. Fall.

EX 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.

EX 5750 ED-CFCS 3(3,0) Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGN 3060C ECS-CME 3(3,0) Mechanics: PR: EGN 3310 and "C" (2.0) or better in the following MACH 2311, MATH 4323, 3313 and PHY 2048 CR: MAP 2302. Concepts of stress, strain, deformation, axial force, torsion, bending, combined stress, Mohr’s circle, failure theories, design concepts, application to machines and vehicles. Fall, Spring.

EGN 3060L ECS-CME 2(0,3) Solid Mechanics Lab: PR: EGN 3061. Solid Mechanics Laboratory experiments covering topics such as tension/compression testing, torsion testing, strain gage measurements, buckling test, beam bending/deflection testing, Fall, Spring. M&S fee: $15.00.

EGN 3060C ECS-CME 3(3,0) Solid Mechanics: PR: EGN 3310 and "C" (2.0) or better in the following MACH 2311, MATH 4323. 3313 and PHY 2048. CR: MAP 2302. Concepts of stress, strain, deformation, axial force, torsion, bending, combined stress, Mohr’s circle, failure theories, design concepts, application to machines and vehicles. Fall, Spring.

EGN 3061C ECS-CME 3(3,0) Mechanical Structures: PR: EGN 3310 and "C" (2.0) or better in the following MACH 2311, MATH 4323. 3313 and PHY 2048. CR: MAP 2302. Concepts of stress, strain, deformation, axial force, torsion, bending, combined stress, Mohr’s circle, failure theories, design concepts, application to machines and vehicles. Fall, Spring.

EGN 3210 ED-CFCS 3(3,0) Space Science and Technology: Past, Present and Future. Fall, Spring.

EGN 3211 ED-CFCS 3(3,0) Introduction to Robotics: PR: Engineering majors only. COP 2323 and STA 3010. Computer Science majors take COP 3380 and COP 3502. Theory of perception, planning, and control. Implemented software for a complete robotic system. Fall.

EGN 3310 ED-CFCS 3(3,0) Electronics: PR: COP 2323 and STA 3010. Computer Science majors take COP 3380 and COP 3502. Theory of perception, planning, and control. Implemented software for a complete robotic system. Fall.

EGN 3310H ECS-CME 3(3,0) Dynamics of Matter: CR: MAC 2312. Fundamental concepts of mechanics, including resultant of forces systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3321 ECS-CME 3(3,0) Thermal Physics: PR: MAC 2312. Kinematics and forces of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EGN 3321H ECS-CME 3(3,0) Thermodynamics: PR: MAC 2312. Kinematics and forces of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Winter, Occasional.

EGN 3331 ECS-CME 3(3,0) Fluid Mechanics of Materials: PR: EGN 3331 with a grade of "C" or better; CR: MAP 2302. Concepts of stress, strain, deformation, axial force members, shafts in torsion, beams in flexure, combined stress, stability of columns, and design of simple elements. Fall, Spring.


Engineering Analysis: PR: High-level computer language; MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root-finding, interpolation, integration and plotting. Fall, Spring.


Hydrogen Production and Handling: PR: CHM 1022, CHM 3022, and PH 2052C. Basic concepts and principles of hydrogen technologies to include properties, usage, safety, storage and production. Even Fall.


Interdisciplinary Design II: PR: EGN 4412C. Continuation of Interdisciplinary Design I May be repeated for credit. Spring.

Engineering Administration: PR: Senior standing, Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R & D planning; ethics in professional practice. Fall, Spring.

Engineering Entrepreneurship: PR: Senior standing, PR: EGN 3343 or EGN 3358 or C.I. Understanding and conceptualization of successful engineering entrepreneurship enterprise. Content includes lectures, case studies, and seminars. Active student participation. Course material is augmented through seminars given by engineers, business people, and specialists, based on their own experiences. Occasional.

Small Satellite Payloads and Integration: PR: EML 3358C or EEL 3800C or EEL 3801C or ESI 4803C. Evaluation of various small satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional.

Processing Space-Launch Systems: PR: For ECE: EEL 3800C or EEL 4740C for EIM; ESI 4803C; For MAE: EAS 3800C. Assembly and test techniques for preparing and check-out of the space-launch system "Inertial Upper Stage." May be repeated for credit. Occasional.

Renewable Energy Systems: PR: ETE 4220. Well-integrated analysis, lifecycle energy and emissions, total cost. Skill sets, methodologies and tool kits needed to analyze various technologies on a consistent basis for a given application. Even Fall.

Fuel Cell Technologies: PR: CHM 1022, CHM 1032, PH 2053C and MAC 2253 or MAC 2311. Basic concepts and principles of fuel cell technologies to include chemistry, thermodynamics, electrochemistry, cell components and operating conditions. Even Spring.

Energy and Society: Investigation of available energy forms, energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

Telecommunications: Telecommunications and its role in contemporary local, national, and international society. Occasional.

Interdisciplinary Research and Development: PR: Junior standing in Engineering or Computer Science majors. Research and methodology seminar topics. Topics to include: intellectual property, lifecycle energy and emissions, total cost. Skill sets, methodologies and tool kits needed to analyze various technologies on a consistent basis for a given application. Even Fall.

Interdisciplinary Research and Development II: PR: EGN 4921C. Continuation of EGN 4921C. Occasional.

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.

Professional Practice I: PR: Junior standing in engineering or computer science. Contemporaneous global technical issues, professional development, leadership development, and ethical responsibilities. Community service and/or community outreach projects required. Occasional.

Professional Practice II: PR: EGN 4933C. Continuation of EGN 4933C. Occasional.

Topics in Technological Development: PR: C.I. Selected topics in the technological development of western civilization including the weight-driven clock, steam engine, electric light, etc. Occasional.

Internal Combustion Engine Analysis and Control: PR: EGN 3634C or EGN 3635C. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. Even Fall, Even Spring. M&S fee: $45.00.

Small Rocket Applications for Teachers: PR: Admission to Lockheed Martin UCF Teaching Academy. Earth and space environments, rocket propulsion, meteorological and environmental measurements, payloads launch procedures, orbits and trajectories, safety, model rocket experiments, field trips, student science experiments. Occasional.

Prototyping and Product Realization: PR: Basic knowledge and/or experience in CAD/CM 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: $45.00.

Introduction to Industrial Engineering and Management Systems: Issues important to the operation of an industrial or service facility. Fall.

Principles of Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. Fall.

Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intensive to inter- national to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.


Human Engineering: PR: STA 3032 or C.I. Man/machine systems; design and conduct of human engineering studies. Spring. M&S fee: $20.00

Production and Distribution Systems: PR: ESI 3452 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. M&S fee: $20.00

Industrial Facilites Planning and Design: PR: EIN 3433C. Comprehensive design of industrial systems, including interrelationships of plant location, process design, and materials handling. Laboratory assignments. Spring. M&S fee: $30.00
**UCF Courses and Descriptions**

**EIN 4391C** ECS-IEMS 3(2,3)
Manufacturing Engineering: PR: CHM 2045C or CHS 2440 and Junior Standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring. M&S fee: $20.00

**EIN 4450** ECS-IEMS 3(3,0)
Principles of Concurrent Engineering: PR: CCI 4460 or Concurrent Engineering implementation. A project assignment is a requirement. 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: EIN 4384C. Systems analysis methodology, system requirements, specifications, system design methodology and design, consulting techniques and client interactions. Initiation of senior design projects. Fall. M&S fee: $20.00

**EIN 4517** ECS-IEMS 3(3,0)
Systems Engineering: PR: STA 3032 or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Fall.

**EIN 4545C** ECS-IEMS 3(2,2)
Industrial Engineering Applications in the Service Industries: PR: EIN 3314C. ER 4312, ER 4234. Applications of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Even Fall.

**EIN 4621C** ECS-IEMS 3(2,2)
Computer-Aided-Manufacturing: PR: EIN 4381C. Computer-Aided-Manufacturing (CAM) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). Occasional. M&S fee: $45.00

**EIN 4891C** ECS-IEMS 3(2,3)
Industrial Engineering Senior Design Project: PR: EIN 4516C. Senior project, Capstone design experience; application of IME techniques to real-world design applications. Spring. M&S fee: $15.00

**EIN 5108** ECS-IEMS 3(3,0)
The Environment of Technical Organizations: PR: Gradial standing or C.I.; EGN 4024 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technical environments. Fall.

**EIN 5117** ECS-IEMS 3(3,0)
Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. Spring.

**EIN 5140** ECS-IEMS 3(3,0)
Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.

**EIN 5248C** ECS-IEMS 3(2,2)
Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall, Spring. M&S fee: $30.00

**EIN 5251** ECS-IEMS 3(3,0)
Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles: cognitive walk-throughs; heuristic, review-based, model-based, empirical and story-board evaluation; technical; query techniques; laboratory techniques; and field study approaches. Occasional.

**EIN 5256C** ECS-IEMS 3(2,2)
Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. Fall, Spring.

**EIN 5317** ECS-IEMS 3(3,0)
Training System Design: PR: Senior 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, design, testing, production, distribution, and support. Occasional.

**EIN 5356** ECS-IEMS 3(3,0)
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Spring.

**EIN 5368C** ECS-IEMS 3(2,2)

**EIN 5388** ECS-IEMS 3(3,0)
Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

**EIN 5532C** ECS-IEMS 3(2,2)
Managing Engineering Services: 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. M&S fee: $20.00

**EIN 5560C** ECS-IEMS 3(2,2)
Computer Control of Manufacturing Systems: PR: EIN 4391C, and EIN 4621C or EML 4535C; or C.I. Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and programing, machine and system control. Odd Spring. M&S fee: $45.00

**EIN 5593** ECS-IEMS 3(1,0)
Seminar in Engineering Industrial: Doctoral Research: PR: C.I. Essential topics for doctoral research including research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interviewing, grants, and publishing. Fall.

**ELD 4011** ED-CFCS 3(3,0)
Introduction to Specific Learning Disabilities: Nature and needs of students with learning disabilities to include history, theories, characteristics, definitions, assessments, issues, and application of effective teaching practices. Occasional.

**ELD 4241** ED-CFCS 4(4,0)

**EMA 3014** ECS-MMAE 3(3,0)

**EMA 3124** ECS-MMAE 3(3,0)
Electrodeposition and Selection of Materials: PR: EGM 3601, and EGM 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

**EMA 3691** ECS-MMAE 3(3,0)

**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 and Kinetics of Materials: PR: EGN 3343, EGM 3365 or EMA 3706; and a "C" (2.0) or better of the following: CHS 1440 or CHM 2045C, MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.

**EMA 4103** ECS-ENT 3(3,0)
Space Environment Technology: PR: MAC 2253, PHY 2053C. The space environment and how it affects manufacturing of space elements to withstand the harsh environment. Occasional.

**EMA 4223** ECS-MMAE 3(3,0)

**EMA 4413** ECS-MMAE 3(3,0)

**EMA 4501** ECS-MMAE 3(2,2)

**EMA 4503** ECS-MMAE 3(3,0)

**EMA 4506** ECS-MMAE 3(3,0)

**EMA 4606** ECS-MMAE 3(3,0)

**EMA 4701C** ECS-MMAE 3(2,4)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMA 5060</td>
<td>Polymer Science and Engineering</td>
<td>3(3,0)</td>
<td>PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.</td>
</tr>
<tr>
<td>EMA 5106</td>
<td>Metallurgical Thermodynamics</td>
<td>3(3,0)</td>
<td>PR: EGN 3365. Laws of Thermodynamics, phase equilibria, reactions between condensed and gaseous phases, reaction equilibria in condensed solution and phase diagrams. Occasional.</td>
</tr>
<tr>
<td>EMA 5108</td>
<td>Surface Science</td>
<td>3(3,0)</td>
<td>PR: PHY 2049C and C. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. Occasional.</td>
</tr>
<tr>
<td>EMA 5140</td>
<td>Introduction to Ceramic Materials</td>
<td>3(3,0)</td>
<td>PR: EGN 3365. Uses, structure, physical and chemical properties, and preparation of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.</td>
</tr>
<tr>
<td>EMA 5317</td>
<td>Materials Kinetics</td>
<td>3(3,0)</td>
<td>PR: C. Mass and thermal transport, phase transformations and Arhenius rate processes. Occasional.</td>
</tr>
<tr>
<td>EMA 5415</td>
<td>Electronic Principles of Materials Properties</td>
<td>3(3,0)</td>
<td>PR: EGN 3365 or C. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.</td>
</tr>
<tr>
<td>EMA 5504</td>
<td>Modern Characterization of Materials</td>
<td>3(2,2)</td>
<td>PR: EMA 5104 or C. Principles and techniques of characterization (light, scanning, transmission, and x-ray microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.</td>
</tr>
<tr>
<td>EMA 5505</td>
<td>Scanning Electron Microscopy</td>
<td>3(2,2)</td>
<td>PR: EMA 5104 or C. A review of electron optics, beam/specimen interactions, image formation, x-ray analysis, specimen preparation, microscopic applications and cryotomography in the SEM. Occasional.</td>
</tr>
<tr>
<td>EMA 5517</td>
<td>Advanced Materials Characterization by Ion Beam Analysis</td>
<td>3(2,2)</td>
<td>PR: EMA 5504 or C. Theory and practice in utilizing instrumental methods and techniques available in the SEM. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>EMA 5584</td>
<td>Biomaterials</td>
<td>3(3,0)</td>
<td>PR: EGN 3365. Properties of natural biological materials and their relation to microstructure, biocompatibility, specific applications in orthopedic, cardiovascular, visual, neural, and reconstruction implants. Even Spring.</td>
</tr>
<tr>
<td>EMA 5585</td>
<td>Materials Science of Thin Films</td>
<td>3(3,0)</td>
<td>PR: Graduate standing or C. Interactions of thin film processing techniques with the structures and properties of the materials deposited. Odd Fall.</td>
</tr>
<tr>
<td>EMA 5586</td>
<td>Photovoltaic Solar Energy Materials</td>
<td>3(3,0)</td>
<td>PR: EGN 3365. Materials properties of photovoltaic, structures, homojunction, heterojunction, and surface barrier solar cells, AMOS-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGs, and CuTe thin film solar cells. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>EMA 5588</td>
<td>Biocompatibility of Materials</td>
<td>3(3,0)</td>
<td>PR: EGN 3365 or C. Biocompatibility and bioactivity; cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanomaterials; biomaterials; imaging techniques, preservation techniques for biomaterials, MSDS and FDA compliance data. Occasional.</td>
</tr>
<tr>
<td>EMA 5610</td>
<td>Laser Materials Processing</td>
<td>3(3,0)</td>
<td>PR: EGN 3343 or EMA 5106 or C. Laser beam optics, laser-material interactions; laser heating, melting, vaporization; Plasma formation; laser surface treatment, welding, machining; laser material synthesis. Thin film deposition, crystal growth. Occasional.</td>
</tr>
<tr>
<td>EMA 5705</td>
<td>High Temperature Materials</td>
<td>3(3,0)</td>
<td>PR: EMA 5104 or C. Desired materials must be selected that have high temperature applications, their metallurgy, corrosion, hot corrosion and oxidation properties, and environment and thermal gas turbine requirements. Even Fall.</td>
</tr>
<tr>
<td>EMA 5810</td>
<td>Teaching and Learning with Technology</td>
<td>1(0,1)</td>
<td>PR: C. Teaching and learning with technologies for teaching and learning. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. Occasional.</td>
</tr>
<tr>
<td>EMA 5901</td>
<td>Machine Shop Practice</td>
<td>1(1,2)</td>
<td>PR: EGN 1111C or C. Machining and operation of machine tools and working devices, cutting speeds and feed rates. Measurement devices. Hands-on experience. Occasional. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>EMA 5934C</td>
<td>Modeling Methods in Mechanical and Aerospace Engineering</td>
<td>3(3,1)</td>
<td>PR: C. Modeling methods in mechanical and aerospace engineering. Theories and applications of computer modeling and simulation of mechanical and aerospace systems. Spring.</td>
</tr>
<tr>
<td>EMA 6101</td>
<td>Thermodynamics of Mechanical Systems</td>
<td>3(3,0)</td>
<td>PR: EGN 3343 and C. Course in the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.</td>
</tr>
<tr>
<td>EMA 6262</td>
<td>Kinematics of Mechanisms</td>
<td>3(3,0)</td>
<td>PR: EGN 3343 and C. Course in the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.</td>
</tr>
<tr>
<td>EMA 6300C</td>
<td>Mechanical Engineering Measurements</td>
<td>3(3,2)</td>
<td>PR: EGN 3343. Course in the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.</td>
</tr>
<tr>
<td>EMA 6305</td>
<td>Machine Design and Analysis</td>
<td>3(3,0)</td>
<td>PR: EGN 3361. Application of the principles of mechanics of materials to the design of mechanical elements. Spring.</td>
</tr>
<tr>
<td>EMA 6405</td>
<td>Fluid Mechanics I</td>
<td>3(3,0)</td>
<td>PR: EGN 3343 and C. Course in the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall.</td>
</tr>
<tr>
<td>EMA 6305</td>
<td>Fluid Mechanics II</td>
<td>3(3,0)</td>
<td>PR: EGN 3343 and C. Course in the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall.</td>
</tr>
<tr>
<td>EMA 6405</td>
<td>Fluid Mechanics III</td>
<td>3(3,0)</td>
<td>PR: EGN 3343 and C. Course in the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall.</td>
</tr>
<tr>
<td>EMA 6505</td>
<td>Design in Nature and Engineering</td>
<td>3(3,0)</td>
<td>PR: EGN 3343 and EGM 3601. Design for function and invention, in both engineering and nature: economy, form, beauty, energy, mechanism, structure, evolution in nature. Occasional.</td>
</tr>
<tr>
<td>EMA 6505</td>
<td>Engineering Design Practice</td>
<td>3(2,2)</td>
<td>PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>EMA 6405</td>
<td>Heat Transfer</td>
<td>3(3,0)</td>
<td>PR: EML 3701 and EML 3034C. Conduction, radiation, and convection heat transfer. Basic energy balances emphasized. Steady state and transient problems, analysis and design of simple heat exchangers. Fall, Spring.</td>
</tr>
</tbody>
</table>

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.) biostructures 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.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5605 ECS-MMAE 3(3,0) Applied HVAC Engineering: PR: EML 4600. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation and indoor air quality. May be repeated for credit. Occasional.

EML 5606 ECS-MMAE 3(3,0) HVAC Systems Engineering: PR: EML 3101, EML 4142, EML 3034C, Heating, ventilation, air conditions and refrigeration systems, system design and analysis. May be repeated for credit. Odd Fall.


EMR 4011 ED-CFCFS 3(3,0) Intro to Mental Retardation: Nature and needs of mentally retarded students with emphasis on etiology, prevention, identification, and application of effective practices and recognition of trends and standards. Occasional.


EMR 4372 ED-CFCFS 3(3,0) Curriculum Method and Materials for Retarded Persons: PR: Senior standing. Development of highly specialized techniques, curriculum and materials to be used with students with mental retardation. Occasional.

ENC 1101 CAH-ENG 3(3,0) Composition I: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Fall, Spring.

ENC 1101H CAH-ENG 3(3,0) Honors Freshman Composition I: PR: Score of 60+ on TSWE of SAT or C.I. and permission of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Honors-level content. Fall, Spring.

ENC 1102 CAH-ENG 3(3,0) Composition II: PR: ENC 1101 with a grade of "C-" or better. Focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The "NC" grading policy applies to this course. Fall, Spring.

ENC 1102H CAH-ENG 3(3,0) Honors Freshman Composition II: PR: ENC 1101H with a grade of "C-" or better and C.I. permission of Honors. Same as ENC 1102, with honors-level content. Note on Freshman English: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The "NC" grading policy applies to this course. Fall, Spring.

ENC 2127 CAH-ENG 3(3,0) Grammar and Composition: A systematic study of grammar and syntax emphasizing editing for clarity and accuracy in writing. Occasional.


ENC 2411C CAH-ENG 3(2,1) Digital Literacy for the Visual Arts: Designed to help students better understand how computer technologies have shaped our culture and ourselves; to become critical consumers of digital content, and acquire a critical sensibility regarding the manner in which technology affects and is affected by texts. Occasional.

ENC 3211 CAH-ENG 3(3,0) Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing or C.I. Exploring definitions and theoretical foundations in technical writing field, and the roles of writers in industry. Fall, Spring.

ENC 3211H CAH-ENG 3(3,0) Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better in ENC 1102H 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 and 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 1102H or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of data, 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. Major elements of professional writing with emphasis on composition of reports, proposals, letters, and memos. Fall, Spring.

ENC 3310 CAH-ENG 3(3,0) Magazine Writing I: PR: Grade of C (2.0) or better required in ENC 1102. Intensive practice in description narration, exposition and argumentation; control of tone, mood, viewpoint, and level of diction. Applicable to article, essay, and short story writing. Fall, Spring.

ENC 3311 CAH-ENG 3(3,0) Advanced Expository Writing: PR: Grade of C (2.0) or better required in ENC 1102. Practice of expository writing directed to general reader. Fall, Spring.

ENC 3905 CAH-ENG 3(3,0) Directed experience in Writing: PR: Grade of C (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. Occasional.

ENC 3942 CAH-ENG 3(3,0) Journal Writing Practicum: PR: Grade of C (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. Occasional.

ENC 4215 CAH-ENG 3(3,0) Technical Communication and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. An interdisciplinary course in writing, presentation, and communication in the computer industry. Fall, Spring. M&S fee: $10.00

ENC 4218 CAH-ENG 3(3,0) The Visual in Technical Documentation: PR: Grade of C (2.0) or better required in ENC 4293. Relevant theories of the visual and their application to technical communication practice. Fall. M&S fee: $10.00

ENC 4262 CAH-ENG 3(3,0) Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. International issues in the field of technical communication including internationalizing documents, user interface design, international collaboration, and rhetorical and logical challenges. Occasional.

ENC 4265 CAH-ENG 3(3,0) Writing for the Computer Industry: PR: Grade of C (2.0) or better in ENC 1102 and junior standing, or C.I. Different kinds of software manuals or online help systems for the computer industry. Occasional.

ENC 4275 CAH-ENG 3(3,0) Writing/Consulting: theory & practice: PR: 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 Software Process: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include manuals, policies and procedures, and training materials. Fall, Spring.

ENC 4294 CAH-ENG 3(3,0) Documentation and Client-Based Collaboration: PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student's particular field. Should be taken concurrently with ENC 4215. Fall, Spring. M&S fee: $10.00

ENC 4312 CAH-ENG 3(3,0) Theory & Practice Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical and emotional 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 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.
ENV 4112C ECS-CECE 3(2.2)
Air Pollution Measurements Lab: Measurement of gaseous flow, isokinetic sampling, and pollutant quantification. Emphasis is placed on EPA methods. Occasional. M&S fee: $30.00

ENV 4120 ECS-CECE 3(3.0)
Air Pollution Control: PR: EGN 3343, CWR 3201, and ENV 3001 with a grade of "C" (2.0) or better. Air resource management, engineering design, and operation of air pollution control systems. Fall.

ENV 4122C ECS-CECE 3(2.2)
Air Pollution Control Design: PR: ENV 4120. Project course on design of air pollution control equipment and systems. Spring. M&S fee: $15.00

ENV 4300C ECS-CECE 3(2.2)
Solid Waste Facility Design: PR: ENV 4341. Project course on design of a municipal solid waste disposal facility. Occasional. M&S fee: $15.00

ENV 4341 ECS-CECE 4(4.0)
Solid & Hazardous Waste Management: PR: Grade of "C" (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with solid and hazardous wastes. Fall.

ENV 4432 ECS-CECE 3(3.0)
Potable Water Treatment: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit. Occasional.

ENV 4531 ECS-CECE 3(3.0)
Wastewater Treatment Processes: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of wastewater treatment facilities. May be repeated for credit. Occasional.

ENV 4561 ECS-CECE 4(4.0)
Environmental Engineering - Process Design: PR: ENV 3001 and CWR 3201. Water treatment and wastewater treatment design considerations with emphasis on sludge handling, treatment, and disposal. Fall, Spring.

ENV 4562C ECS-CECE 3(2.2)
Environmental Engineering Systems Design: PR: ENV 4561, EES 4202C. Project course on design of wastewater and treatment plants. Spring. M&S fee: $15.00

ENV 4563 ECS-CECE 3(3.0)

ENV 5071 ECS-CECE 3(3.0)

ENV 5116C ECS-CECE 3(2.3)
Air Pollution Monitoring: PR: C.I. Air Pollution sampling techniques, equipment, and monitor siting. Emphasis on theory and direct applications in air pollution monitoring. Occasional. M&S fee: $15.00

ENV 5334 ECS-CECE 3(3.0)
Characterization of Hazardous Waste Sites: PR: CWR 4101C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. Occasional.

ENV 5335 ECS-CECE 3(3.0)
Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENV 5336 ECS-CECE 4(4.0)
Solid and Hazardous Waste Management: PR: Grade of "C" (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

 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)
Environmental Engineering and Biological Processes: CR: ENV 4561 or equivalent. C.I. Coverage of equilibrium/aquatic chemistry, 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)

ENV 5006C COS-BIOL 4(2.6)

EPH 5395 ED-CFCFS 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-TLP 3-16(0.3-16)

ESE 4942 ED-TLP 1(1.0)
Internship II Seminar: PR: Internship I in the specific discipline. CR: Internship II in the specific discipline. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.

ESE 4943 ED-TLP 7-120(0.35)

ESE 5214 ED-TLP 3(3.0)

ESE 4221 ECS-EMS 3(3.0)

ESE 4234 ECS-EMS 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-EMS 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-EMS 3(3.0)
Quantitative Techniques in Industrial Engineering: PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. Even Fall.

ESI 4523C ECS-EMS 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. M&S fee: $20.00

ESI 4628C ECS-EMS 3(2.3)
Industrial Engineering Applications of Computers: PR: EGN 3211 or high level programming experience. Focus on theory and direct applications in air pollution monitoring. Odd Fall.

ESI 5219 ECS-EMS 3(3.0)
Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, nonparametric stats and ANOVA. Fall, Spring.

ESI 5227 ECS-EMS 3(3.0)
Total Quality Improvement: PR: STA 3032 or equivalent. Quality improvement (QI) tools and techniques, advanced QI techniques, quality improvement systems, total quality management concepts and implementation, planning and management tools, and case studies. Odd Fall.

ESI 5236 ECS-EMS 3(3.0)
Reliability Engineering: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, life testing, design for reliability, and reliability standards (DOE), software reliability, reliability in design, and electronic systems reliability. Fall.

ESI 5306 ECS-EMS 3(3.0)
Operations Research: PR: STA 3032. Methods of operations research, including formulation for models and derivation of solutions; linear programming, network models, queuing theory, simulation, and nonlinear optimization techniques. Fall.

ESI 5359 ECS-EMS 3(3.0)
Risk Assessment and Management: PR: ESI 5109 and EFA 3032. Problems and concepts in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. Occasional.

ESI 5419C ECS-EMS 3(2.2)
Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing or analyses. Odd Fall. M&S fee: $45.00

ESI 5531 ECS-EMS 3(3.0)
Discrete Systems Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. Spring.

EST 3211 ECS-ENT 3(3.0)
Wave Photonics: PR: EST 3222, and EET majors. Wave properties of light, interaction with different media, and photonics technologies and systems based on wave nature of light. Spring.

EST 3213 ECS-ENT 3(3.0)
Photonics Simulation: PR: EST 3222. The behavior of light in standard optical systems consisting of both refractive and reflective light. Begin with general optic principles and end with system design. Not open to Physics majors or minors. Fall.
UCF Courses and Descriptions

EVT 4515 CAH-HIST 3(3,0) Rome and Early Christianity: PR: Graduate standing or C.I. Achievement of competency in modern European History. May be repeated for credit only when course content is different. Occasional.

EVT 4549 CAH-HIST 3(3,0) Colloquium in Russian History: PR: Graduate status or senior standing or C.I. Selected topics on Russian history. May be used in the degree program a maximum of 3 times. Occasional.

EVT 5546 CAH-HIST 3(3,0) Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British History. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. Occasional.

EVT 5579 CAH-HIST 3(3,0) Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. Occasional.

EVT 5595 CAH-HIST 3(3,0) Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EVT 5608 CAH-HIST 3(3,0) Colloquium: European Intellectual History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of European intellectual history. Occasional.

EVR 5930 COS-BIOL 1(1,0) Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing a broad base of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. Occasional.


EXP 3250 COS-PSYCH 3(3,0) Principles of Human Factors Psychology: PR: PSY 2012 or World Cinema major. The study of human performance in human-machine-environment systems. Topics will include human factors psychology in the design of displays and controls, human information processing, and the effects of some environmental variables on human performance. Spring.


EXP 4507C COS-PSYCH 3(1,4) Perception: PR: PSY 3213C. EXP 3604C. In-depth coverage of experimental research on human memory and cognition. Occasional. M&S fee: $15.00

EXP 5208 COS-PSYCH 3(3,0) Sensation and Perception: PR: Graduate status or senior standing or C.I. A study 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) Experimental Psychology: PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elders through the implementation of basic human factors principles in environmental and task design. Even Fall.
Film and Modernism II:
FIL 3076C CAH-FILM  3(3,1)

Introduction to Scriptwriting: PR: Film majors only. Rudiments of screenwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. Occasional.

Short Script I: PR: FIL 2107 and Film BFA or World Cinema major, or C.I. Rudiments of writing the short script. Analysis of short script models and examination of differences between long and short forms. Writing scripts for workshops. Fall, Spring.

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.

Film History I: PR: FIL 2030, FIL 2017 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

Film History II: PR: FIL 2030, FIL 2017 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

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.

History of Animated Films II: PR: FIL 2017 and FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

Art of the Cinema:
FIL 3006 CAH-FILM  3(3,0)

CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&S fee: $5.00

Film Studies 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.

Film History:
FIL 3036 CAH-FILM  3(3,0)

Film History: PR: FIL 2030, FIL 2017 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1930s as they pertain to the political, social, cultural, and artistic context of the period.

1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

1960s and 1970s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

1970s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

Film and Modernism I:
FIL 3035C CAH-FILM  3(3,1)

Film and Modernism I: PR: FIL 3035C and ARH 2050. Relation of film to modernism centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. Spring.

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.

Film Production Technology Workshop:
FIL 3307 CAH-FILM  3(3,0)

CR: FIL 3108 or 3109, and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&S fee: $5.00

Film Theory and Criticism I:
FIL 3363C CAH-FILM  3(3,1)

Film Documentary: PR: FIL 3036C and Film BFA, World Cinema, or Cinema Studies major, or C.I. The uses and analysis of the non-fiction film. Fall. M&S fee: $5.00

Advanced Documentary Production: PR: FIL 3355C and FIL 3455C, or C.I. Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional. M&S fee: $5.00


Film Language:
FIL 3427C CAH-FILM  3(2,4)

Introduction to Film Production: PR: PR or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to producing work, basic technical and aesthetic aspects of production. Fall. M&S fee: $45.00


Cinematic Expression: PR: FIL 3083C. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. Spring.

Directing the Actor for Film I:
FIL 3483 CAH-FILM  3(3,0)

Characterization and scene study as it applies to directing the actor for film. Occasional.

Performance in Film:
FIL 3492C CAH-FILM  3(3,1)

Study of the different traditions and approaches to performance in film. Occasional.

Sound Design for Film I:
FIL 3534 CAH-FILM  3(3,0)

Technical and aesthetics aspects of production and post-production sound recording, editing, and mixing for film. Fall.

Film Production Technology Workshop:
FIL 3581 CAH-FILM  3(3,0)

Restricted to Film majors. Demonstrations and hands-on equipment workshops to understand and operate the tools of the filmmaking process. May be repeated for credit. Occasional.

Latin American Cinema: Literature in selected Asian, African, Latin American, and Middle Eastern countries. Fall, Spring.

Experimental Cinema II: FIL 3876C CAH-FILM 3(3,1). College Writing. The Shot, Framing, Point of View: PR: FIL 3036C. Approaches to the shot, framing and point of view. Occasional.


The Theatricality of Film: PR: FIL 3036C and FIL 3032C and ENC 1102, FIL 2030, FIL 3036C. Modes of cinema criticism. Occasional.


Color and Lighting in Cinema: PR: FIL 3035C. A notion of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. Fall, Spring.

Experimental Cinema II: PR: FIL 3036C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. Spring.

Color and Lighting in Cinema: PR: FIL 3035C. Ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.

Images of Women in Film: PR: FIL 3036C. Images of women in and through film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. Fall, Spring.

Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the industry. Graded S/U. May be repeated for credit. Fall, Spring.

Animation Film History for Non Film Majors: PR: FIL 3122. Evolution of animation since World War II. Occasional.


Interactive Writing I: PR: Junior Standing, Film major, FIL 3115 or Digital Media major. Writing workshop for experienced screenwriters, cold readings, preparing calling card script, marketing scripts and funding sources. Occasional.

Interactive Writing II: PR: FIL 3876C. Historical and Cultural relationship between photography and film. Occasional.

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.

Mise en scène and Theatricality: PR: FIL 2030. Relation between theatre and cinema with specific emphasis on mise en scene. Spring.


The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker's style, vision and works; how these evolved and their impact on film and the culture. May be repeated for credit. Fall. M&S fee $5.00

Intermediate Film Production: PR: FIL 3541 or FIL 3115 and C.I. Production, budgeting, script breakdown, construction of motion pictures. May be repeated for credit. Fall. M&S fee $45.00

Capstone I: PR: FIL 3132 and Film BFA or World Cinema or Cinema Studies major. This is a seminar course taught by a professional organizationally. Spring.

Feature/TV Writing I: PR: Film major, FIL 3115 or Digital Media major. Writing workshop for experienced screenwriters. Fall.

Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. Spring.

Documentary Workshop II: PR: FIL 4163C. Advanced writing, editing, and production. Fall.

Documentary Workshop II: PR: FIL 4302C. Advanced documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Spring.

Film Fiction and the Document: PR: LIT 2110. 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.

Episodic Production: PR: Film or Animation Majors. Episodic film production techniques. Occasional.

Intermediate Film Production: PR: Film major, FIL 3427C. Advanced exploration of the aesthetic and technical facets of filmmaking. Occasional. M&S fee: $45.00

Intermediate Film Production: PR: FIL 3036C and FIL 3075C. 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.

Film Theory/Feature Film Production: PR: Junior standing and FIL 1000 or FIL 1000, or C.I. Non-narrative filmmaking, demonstrating the dynamic interplay between producing, viewing, reading and writing about images. Odd Spring.

Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. Fall.
UCF Courses and Descriptions

FLE 4333 ED-TLP 3(3,0)
Foreign Language Teaching in the Secondary School: EDG 4233 or EDG 6236, and 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-TLP 3(3,0)
Foreign Language Methods at the Secondary Level: PR: C.I. or EDG 4233 or EDG 6236, and 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 K-12 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-TLP 3(3,0)
Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4333 or FLE 5870, EDG 4233 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 prominent theories 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.

FLE 5875 CAH-LANG 3(3,0)
Computer Application in Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. Student analysis, and evaluation of computer software and Internet materials for teaching foreign languages. Occasional.

FRE 1120C CAH-LANG 3(3,0)
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 3(3,0)
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 1221C 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 2240 CAH-LANG 3(3,0)
Intensive French Conversation: PR: 1 year of French or equivalent. P R: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4752 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.

FRT 3140 CAH-LANG 3(3,0)
French and Francophone Literature: Masterworks in Translation: PR: FRT 2200. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department Name</th>
<th>Units</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 3440</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 2200, Introduction to German business language and practices. Occasional.</td>
</tr>
<tr>
<td>GER 3441</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 3440, Continuation of Business German I. Occasional.</td>
</tr>
<tr>
<td>GER 3470</td>
<td>CAH-LANG</td>
<td>6(0)</td>
<td>PR: GER 2201, Advanced German grammar in the context of conversation and composition taught in the native environment. Occasional.</td>
</tr>
<tr>
<td>GER 3760</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 2201 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Even Fall.</td>
</tr>
<tr>
<td>GER 3780</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 2201 or equivalent. The fundamental principles of German pronunciation. Occasional.</td>
</tr>
<tr>
<td>GER 4422</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designated for advanced students of the German language. Occasional.</td>
</tr>
<tr>
<td>GER 4510</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.</td>
</tr>
<tr>
<td>GER 4520</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 2201 or equivalent. Survey of German literature. Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.</td>
</tr>
<tr>
<td>GEW 3100</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.</td>
</tr>
<tr>
<td>GEW 3101</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.</td>
</tr>
<tr>
<td>GEW 3370</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. Occasional.</td>
</tr>
<tr>
<td>GEW 3480</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 2201, German Post-War Literature. PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. Occasional.</td>
</tr>
<tr>
<td>GEW 4882</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 2200, A look into the history of German children's literature with a concentration on works after World War II. Occasional.</td>
</tr>
<tr>
<td>GEW 4531</td>
<td>CAH-LANG</td>
<td>3(0)</td>
<td>PR: GER 2201, The Age of Goethe and Schiller. PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German Romanticism. Occasional.</td>
</tr>
<tr>
<td>GEY 3001</td>
<td>HPA-SOWK</td>
<td>3(0)</td>
<td>PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. Fall.</td>
</tr>
<tr>
<td>GEY 3326H</td>
<td>COS-PSYCH</td>
<td>3(0)</td>
<td>PR: Regular 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.</td>
</tr>
</tbody>
</table>
HBR 1120 CAH-LANG 4(4,0) Elementary Haitian Language and Culture I: Introduction to Haitian culture through the major language skills; listening, speaking, reading and writing. Occasional.


HBR 1220 CAH-JUD 3(3,0) Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew; increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. Occasional.


HBR 3410 CAH-JUD 3(3,0) Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent. Study and practice of contemporary conversational Israeli Hebrew. Occasional.

HFT 1000 RCHM-HSP SERV 3(3,0) Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

HFT 1356 RCHM-TEA 3(3,0) Concepts and Practices of Golf Associations: PR: Admission to Professional Golf Management Program; CR HFT 1000. Philosophies and ideals of the Professional Golfers Association of America and the importance of the rules of golf as related to rules decisions. Fall.

HFT 2220 RCHM-HSP SERV 3(3,0) Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-HOS 3(3,0) Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.

HFT 2359 RCHM-TEA 3(3,0) Design & Maintenance of Golf Equipment: Knowledge and application of golf club design principles and club repair procedures. Occasional.

HFT 2401 RCHM-HSP SERV 3(3,0) Hospitality Industry Financial Accounting: Basic understanding of financial accounting and specifically hospitality industry accounting concepts and procedures used in hotels, restaurants and clubs. Fall, Spring.

HFT 2500 RCHM-HSP SERV 3(3,0) Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. Fall, Spring.

HFT 2750 RCHM-TEA 3(3,0) The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. Fall, Spring.

HFT 3263 RCHM-HOS 3(3,0) Restaurant Management: PR: HFT 1000, FSS 2222C, and junior standing or C.I. Focuses on all aspects of planning, performing and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability. Odd Fall.

HFT 3273 RCHM-HOS 3(3,0) Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.

HFT 3285 RCHM-HOS 3(3,0) International Hospitality Corporation Management: PR: HFT 3263. The specific principles of managing a restaurant corporation in the international foodservice marketplace. Occasional.

HFT 3323 RCHM-HSP SERV 3(3,0) Hospitality Physical Plant Management: PR: Junior standing. Analysis of national relationships related to the physical plant and structure of enterprises in the hospitality industry. Spring.

HFT 3353 RCHM-TEA 3(3,0) Golf Planning & Operations I: PR: HFT 2359. Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.

HFT 3354 RCHM-TEA 3(3,0) Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. Occasional.

HFT 3355 RCHM-TEA 3(3,0) Golf Planning & Operations II: PR: HFT 3353. Merchandising and inventory control, golf swing philosophy and leadership models. Occasional.

HFT 3357 RCHM-TEA 3(3,0) Golf Event Operations: PR: HFT 1556, HFT 1000, HFT 2500. Develop, plan, and organize golf tournaments of all types. Occasional.

HFT 3373 RCHM-TEA 3(3,0) Event Design, Production & Technology: PR: HFT 1000, HFT 4750, and HFT 3670, or C.I. Aspects of event production, including art, design and staging. How technology is used in the event industry to increase effectiveness and productivity. Fall, Spring.

HFT 3374 RCHM-TEA 3(3,0) Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750, or C.I. The management of the audio and visual process of a large exhibition. Occasional.

HFT 3384 RCHM-TEA 3(3,0) Golf and Club Enterprises Management: PR: HFT 1000 and FSS 2222C. Comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities. Occasional.

HFT 3431 RCHM-HSP SERV 3(3,0) Hospitality Industry Managerial Accounting: PR: HFT 2401 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting, Fall, Spring.

HFT 3443 RCHM-TEA 3(3,0) Technology: PR: HFT 1000 and HFT 2750, or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.

HFT 3444 RCHM-HSP SERV 3(3,0) Hospitality Information Systems: PR: CGS 21000, HFT 2754, and HFT 3263, or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

HFT 3512 RCHM-TEA 3(3,0) Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.

HFT 3515 RCHM-HOS 3(3,0) Reservations Sales & Marketing: PR: HFT 1000, HFT 2750, or C.I. Provides insight into all aspects of planning, performing and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability. Odd Fall.

HFT 3517 RCHM-TEA 3(3,0) Convention and Conference Sales: PR: HFT 2750 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. Fall.

HFT 3519 RCHM-TEA 3(3,0) Event Services: PR: HFT 2750 and HFT 3519, or C.I. An in-depth look at the sales process for events, including the development of requests for proposals, negotiation skills and sales strategies. Fall, Spring.

HFT 3540 RCHM-HSP SERV 3(3,0) Guest Services Management: PR: C.I. Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.


HFT 3603 RCHM-HSP SERV 3(3,0) Legal Environment in the Hospitality and Tourism Industry: PR: Admission to Professional Golf Management Program; CR: UCF Courses and Descriptions.

HFT 3610 RCHM-HOS 3(3,0) Law and Restaurant Management: PR: HFT 3603 and HFT 3263. Emphasis on regulatory, case and administrative law. Compliance, prevention, and remedial actions are stressed. Occasional.

HFT 3654 RCHM-HOS 3(3,0) Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Fall.

HFT 3670 RCHM-TEA 3(3,0) Hospitality and Event Risk Management: PR: HFT 3603 and HFT 2750. Focuses on the identification and mitigation of liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibits. Occasional.

HFT 3700 RCHM-TEA 3(3,0) Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.

HFT 3741 RCHM-TEA 3(3,0) Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.

HFT 3770 RCHM-TEA 3(3,0) Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and 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 level standing, an in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.
HIS 4970H CAH-HIST VAR UNDERGRADUATE HONORS THESIS: Graded SU or Letter grade. Occasional.

HIS 5067 CAH-HIST 3(3,0) Introduction to Public History: PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

HIS 5158 CAH-HIST 3(3,0) Classical and Contemporary Historical Thought: PR: Graduate status or senior standing or C.I. Course will explore work of important historians influenced by social theory to gain an understanding of their main concepts. Occasional.

HLP 2701 ED-ERTL 3(3,0) Peer Education Training: PR: Sophomore standing and C.I. Strategies for teaching life skills and health education information for secondary students and college age peers. Fall, Spring.

HLP 4722 ED-ERTL 1(1,0) Elementary School Health and Physical Education: PR: EDP 2005; CRM 4313, MUE 3210, RED 4519, MAE 4326, and EDE 3942. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. Fall, Spring.

HSA 3012 HPA-HP 3(3,0) Issues & Trends in Public Health: PR: STA 2023 or C.I. The American public health system, looking at the historical, present day, and future organization and management of all its components. Fall, Spring.

HSA 3111 HPA-HP 3(3,0) U.S. Health Care Systems: PR: Major or minor in College of Health or C.I. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.

HSA 3111H HPA-HP 3(3,0) U.S. Health Care Systems Honors: PR: Major or minor in College of Health or C.I. Permission of Honors. A survey of the economics, social, and political aspects of the health care system in the United States. With Honors content. Occasional.

HSA 3170 HPA-HP 3(3,0) Health Care Finance: PR: HSA 3111 or C.I. ACG 2021 and ACG 2071. Budgeting and resource allocation related to health care agencies. Fall, Spring.


HSA 3430 HPA-HP 3(3,0) Health Care Economics: PR: HSA 3111; ECO 2023, or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. Fall, Spring.

HSA 4109 HPA-HP 3(3,0) Principles of 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 4109H 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 aspect. Occasional.

HSA 4180 HPA-HP 3(3,0) Organization & Management for Health Agencies I: PR: HSA 3111 or C.I. General description and analysis of the management and organization of a variety of healthcare organizations including hospitals, long term care facilities and medical group practices. Fall.

HSA 4184 HPA-HP 3(3,0) Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4180 or C.I. In-depth analysis of the management and organization of healthcare organizations including hospitals, long term care facilities, and medical group practices. Fall.

HSA 4191 HPA-HP 3(3,0) Health Care Automation: PR: HSA 3111; CGS 2100C, or C.I. Analysis and design of computerized systems for health data and health administration. Fall, Spring.


HSA 4502 HPA-HP 3(3,0) Risk Management Systems: PR: HSA 3111 or C.I. Safety, liability and cost loss issues with emphasis on risk retention, risk reduction and risk transfer in health care. Fall, Spring.

HSA 4701 HPA-COM SCADIS 6(6,0) Introduction to Research in the Health Professions: PR: Senior or post-bacc standing. The logic of research and the architecture of basic and applied investigations that are internally and externally reliable and valuable will be stressed.Occasional.

HSA 4702 HPA-HP 3(3,0) Health Sciences Research Methods: PR: HSA 3111; STA 2041C or STA 2023; or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 4939 HPA-HMI 3(3,0) Health Services Administration Capstone: PR: HSA 3111, HSA 3222, HSA 3430, HSC 4201, HSA 4180, HSA 4184, HSA 4191, HMI 4508C, HSC 4500, HSC 4652. Capstone course applies health 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: Graduate standing. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving and integrating health care decision making process will be presented. Occasional.

HSA 5257 HPA-HP 3(3,0) ICD-9-CM Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5258 HPA-HP 3(3,0) CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I. or B.S in health-related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. Occasional.

HSC 1931C HPA-HPA 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program, Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Occasional.

HSC 2000 HPA-HP 2(2,0) Introduction to the Allied Health Professions: A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded SU/Fail.
UCF Courses and Descriptions

IDH 1920H  BHC-HON  (2,1)

IDH 1921H  BHC-HON  (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 1923H  BHC-HON  (2,1)
Honors Loundschmid Leadership: PR: Permission of Honors. An honors symposium that presents academic leaders and their research or artistic achievements. Students are organized in groups to discuss leadership principles and applications. Graded S/U. Occasional.

IDH 3600H  CAH-PHIL  (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 consent. Fall.

IDH 4030H  BHC-HON  (3,0)
Honors Windows To The World: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 1040C  COS-COMM  (2,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts & Sciences exploring the nature of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

IDS 2042C  COS-COS  (2,1)
LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, EGB 1091C, HSC 1931C, EGN 1036C, EDG 1005, or EDF 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150  UGST-INTERDISC  (3,0)
Foundations of Environmental Studies: PR: Junior standing, completion 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  (3,0)
Civic Engagement: PR: Junior standing and either PAD 2000 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. Even Fall, Even Spring.

IDS 3333  UGST-INTERDISC  (3,0)
World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3334  CAH-HIST  (3,0)
Topics in Latin Studies: PR: ENC 1102. Multidisciplinary course exploring various topics pertaining to Latinos in the U.S. Occasional.

IDS 3933  UGST-INTERDISC  (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 4156  UGST-INTERDISC  (3,0)
Solving Environmental Problems: PR: IDS 3150, ECP 4033, GIS 3045C, GIS 3060C and PUP 3205, or C.I. Capstone course in Environmental Studies focusing on how environmental dilemmas are addressed. Occasional.

IDS 4204C  ECS-ECS  (3,2)
Advanced Topics on Energy and Sustainability: PR: Acceptance to the Energy and Sustainability Minor, Senior standing and Completion of GEP or C.I. Contemporary topics in energy and sustainability. Seminars and lectures from industry, academia, government, and UCF speakers. Students are required to work on individual or team assignments, research projects, and present their work in the format of mini seminars. Occasional.

IDS 4315  COS-POLS  (3,0)
Global Perspectives: PR: Completion of general education requirements and junior standing or C.I. The historical and contemporary contexts of globalization. Spring.

IDS 4335  CAH-CAH  (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 4935  UGST-INTERDISC  (3,0)
Capstone Experience: PR: IDS 3935, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the courses of study and academic/career goals. Fall, Spring. M&S fee: $17.00.

IDS 5127  COM-MSM  (3,0)
Foundation of Bio-Imaging Science: PR: Graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. Occasional.

IDS 5145  ECS-EMS  (3,2)
Interdisciplinary Computational Modeling and 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-PHYS  (3,2)
Introduction to Modeling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific computing. Even Fall.

IDS 5719  COS-PHYS  (3,0)
Quantitative Aspects of Modeling and Simulation: PR: MAC 2241 or equivalent. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.

IDS 5915  CAH-PHIL  (3,0)

IDS 5936  CAH-PHIL  (3,0)
Topics in 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, and behavioral capacities. Fall.

INP 3004  COS-PHYS  (3,0)
Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychological theories and principles applicable to problems in industrial organizations. Fall.

INP 3004H  COS-PHYS  (3,0)

INP 3114C  COS-PHYS  (1-3,0)
Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.

INP 3951  COS-PHYS  (3,0)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INP 4252  COS-PHYS  (3,0)
Advanced Industrial Psychology: PR: INP 3004 and PSY 3213C. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment. Occasional.

INP 4313  COS-PHYS  (3,0)
Organizational Psychology: PR: INP 3004. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, inter-group behavior, and organization development. Occasional.

INP 4380  COS-PHYS  (3,0)
Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. Occasional.

INP 5825  COS-PHYS  (3,0)
Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interaction design, including behavior engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.

INR 2002  COS-POLS  (3,0)
International Relations-Theory and Practice: Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

INR 3016  COS-POLS  (3,0)
Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and international to gender issues and environmental challenges. Occasional.

INR 3250  COS-POLS  (3,0)

INR 3253  COS-POLS  (3,0)

INR 4011  COS-POLS  (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  (3,0)

INR 4030H  COS-POLS  (3,0)

INR 4035  COS-POLS  (3,0)
International Political Economy: 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  (3,0)
Global Politics of Energy: PR: POS 2041 or INR 2002 or C.I. International dimensions of global energy politics within developed and underdeveloped countries. Occasional.

INR 4060  COS-POLS  (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.
The Cold War: PR: INR 2002 or C.I. Politics of US-Soviet relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.

Changing Nature of War: PR: POS 2041 or C.I. The changing nature of war in light of significant changes in technology and international politics. Occasional.


Global Drug Policy: PR: POS 2041, Junior standing or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economics on drugs. Selected Latin American and Third World cases. Odd Spring.

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.


American Foreign Policy: Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.

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.

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.

Strategic Weapons and Arms Control: Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

Contemporary International Politics of Asia: Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.

The Vietnam War: Background of events leading to America’s involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.


Issues in International Public Policy: PR: POS 2041, Junior standing or C.I. Political and economic considerations of issues in international public policy. Occasional.

Coercion in International Politics: Examination of the role of coercive tactics among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.

Global Environmental Politics: PR: INR 2002 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. Fall.

International Environmental Law: PR: Junior standing or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth’s biosphere when challenged by national sovereignty and economic and cultural diversity. Occasional.

The Intelligence Community: PR: POS 2041 or CPO 3103 or C.I. The intelligence community structures and operations, including national intelligence; international decision making; consideration of control and reliability questions, and issues of cooperation and coordination. Spring.

International Law I: PR: Junior standing or C.I. The nature, evolution, and sources of international law and such subareas as recognition of states and governments, extraterritoriality, nationality, and aliens. Occasional.

International Law II: PR: INR 4401 or C.I. Examination of various sub-areas of international law, including maritime law, laws of the sea and seabed, air law, outer space, neutrality, and laws of war. Occasional.

Space Law: Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.

International Organizations: The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. Even Fall, Odd Spring.


Military Space Policy: PR: INR 2002 and junior standing, or C.I. Politics and policymaking involved in military spaces globally, consideration of effects on globalization and international policies economic and military. Occasional.

Ethics of Interpreting Sign Language: PR: ASL 2140, ASL 2150, ASL 4161C. A study of the role of the interpreter, including business practices, professional conduct and interpreting settings. Occasional.

Interactive Interpreting II: PR: ASL 2140 and ASL 2150 and ASL 4161C or C.I. Theories, guidelines, principles and practices of interpreting, including interpreter’s role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. Occasional.

Interactive Interpreting II: PR: INT 4202C or C.I. Advanced cognitive, linguistic and motor skill development in the use of ASL. Occasional.

Interdisciplinary Applications of Calculus I: CR: MAC 2311. Interdisciplinary applications of differential and integral calculus topics in MAC 2311 to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

Interdisciplinary Applications of Calculus II: CR: MAC 2312. Interdisciplinary applications of differential and integral calculus topics in MAC 2312 to the solution of concrete problems in science, mathematics, and engineering disciplines. Spring.

Interdisciplinary Applications of Calculus III: CR: MAC 2313. Interdisciplinary applications of differential and integral calculus topics in MAC 2313 to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

Essentials of Management Information Systems: PR: Junior standing and business major or minor, permission of Honors, CGS 2100C or CGS 1060C. Management and use of information technology (IT) in organizations. Emphasis on how IT impacts operations and decision making. Fall, Spring.

Honors Management Information Systems: PR: Junior standing and business major or minor, permission of Honors, CGS 2100C or CGS 1060C. Management and use of information technology in organizations. Occasional.

Introduction to Information Systems Management: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Concepts and methods related to the management of information systems in organizations. Occasional.

Society and Technology: PR: CGS 2100C or CGS 1060 and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Explores societal issues related to technology. Topics include technology ethics, privacy and surveillance, and digital rights management. Occasional.

Personal Database Productivity: PR: CGS 2100C or CGS 1060C. Not open to MIS majors. Explores societal issues related to technology. Topics include technology ethics, privacy and surveillance, and digital rights management. Occasional.

MIS Techniques: PR: CGS 2100C. Open to MIS Majors and Minor’s and other appropriate majors. Computer programming for users and developers of management information systems. Fall, Spring.
ISM 3530 BA-MIS 3(3,0) Quality & Productivity Management: PR: GEB 3033, ISM 3025. Open to MIS Majors and Minors and students whose major requires it. Principles and theories of quality and operations management in manufacturing and service organizations. Fall, Spring.

ISM 4090 BA-MIS 3(3,0) Seminar in Management Information Systems: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. New developments in management information systems in a business environment. Occasional.

ISM 4113 BA-MIS 3(3,0) Information Systems Analysis and Design: PR: ISM 3252, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Structured approaches to the development of computer-based information systems in business. Fall, Spring.

ISM 4114 BA-MIS 3(3,0) Advanced Business Application Development: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Theory and practice in developing client server applications for business and use of modern development tools. Includes principles of object-oriented application design and implementation. Occasional.

ISM 4130 BA-MIS 3(3,0) Information Systems Implementation: PR: ISM 4113. Open to MIS Majors and Minors and students whose major requires it. Management of information systems development in business. Fall, Spring.

ISM 4153C BA-MIS 3(2,1) Enterprise Information Systems: PR: ISM 3011C. Open to MIS majors and minors and other appropriate majors. Implementing and managing enterprise information systems in organizations. Fall, Spring.

ISM 4154 BA-MIS 3(3,0) Enterprise Application Development: PR: ISM 3011C, Open to MIS Majors and Minors and other appropriate majors. Design and development of enterprise applications with special emphasis on web-based development platforms. Occasional.

ISM 4212C BA-MIS 4(2,0) Database Design and Implementation: PR: ISM 3253, Open to MIS Majors and Minors and other appropriate majors. Design and implementation of relational database in organizations. Fall, Spring.

ISM 4220 BA-MIS 3(3,0) Distributed Information Systems: PR: ISM 3253, ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer networking and communications, Managerial and technical dimensions of client server and other modes of distributed and decentralized computing in business. Fall, Spring.

ISM 4228 BA-MIS 3(3,0) Advanced Distributed Information Systems: PR: ISM 4220. Open to MIS Majors and Minors and other appropriate majors. Provides students with in-depth, hands-on experience with networking hardware and software. Teamwork is emphasized in mastering networking concepts. Occasional.

ISM 4238 BA-MIS 3(3,0) Business Programming/OOP: PR: ISM 3253, ISM 4212C, ITW 3100C. Open to MIS Majors and Minors and students whose major requires it. An introduction to object-oriented programming (OOP) and object-oriented design (OOD). Occasional.

ISM 4300 BA-MIS 3(3,0) Information Technology Management: PR: ISM 4212C, Open to MIS Majors and Minors and other appropriate majors. The strategy and theory of the design, development, adoption, and management of new information technologies. Fall, Spring.

ISM 4314 BA-MIS 3(3,0) Business Project Management: PR: ISM 3011C. Foundations of project management in commercial organizations. Covers all project phases from initiation to termination. Occasional.

ISM 4323 BA-MIS 3(3,0) Information Systems Security: PR: ISM 4220. Open to MIS Majors and Minors and students whose major requires it. Primary issues related to information systems security in an organization’s IT infrastructure. Occasional.

ISM 4400 BA-MIS 3(3,0) Decision Support: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer-based quasi-quantitative and decision support systems in organizations. Fall, Spring.

ISM 4431 BA-MIS 3(3,0) Business Process Analysis: PR: ISM 4153C. Open to MIS majors and minors and other appropriate majors. Analysis of business processes surrounding Supply Chain Management. Focus on enterprise resource planning technology supports SCM by integrating the business process required for success. Fall, Spring.


ISM 4941 BA-MIS 3(3,0) Internship in MIS: PR: ISM 3253, ISM 4212C, and 3011C, consent of department chair. Provides student with supervised, management information system-related work experience in a sponsoring organization. See department for information. Fall, Spring.

ISM 5021 BA-MIS 3(3,0) Introduction to Management Information Systems: PR: Acceptance into the graduate program. Designed to provide the student with the fundamentals of business data processing and management information systems used by organizations in a modern society. Occasional.

ISM 5123 BA-MIS 3(3,0) Concepts of Systems Analysis and Design: PR: Graduate standing. Using a traditional life-cycle approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. Occasional.

ISM 5127 BA-MIS 3(3,0) Concepts of Database Design and Administration: PR: Graduate standing. Introduces concepts and methodologies related to the effective utilization of data by organizations. Occasional.

ISM 5219 BA-MIS 3(3,0) Business Intelligence Systems: PR: Graduate standing. Modern paradigms in data analysis. The detection of useful patterns and relationships in databases. Occasional.

ISM 5256 BA-MIS 3(3,0) Concepts of Business Programming: PR: Senior or admission to graduate study. Principles of programming including program design, fundamental programming constructs, and database access. Occasional.

ISM 5315 BA-MIS 3(3,0) Information Systems Project Management: PR: Graduate standing. This course introduces students to the concept of project management including project scope, cost, time, and quality. Occasional.

ISM 5507 BA-MIS 3(3,0) Electronic Age: PR: Admission to graduate study. Broad exploration of internet tools as vehicles for communication, interaction, decision-making, and community formation. Occasional.

ISS 4155 COS-COMM 3(3,0) Science Fiction and the Social Sciences: A multimedia examination of noteworthy science fiction from the Social Science perspective. Occasional.

ITA 1120C CAH-LANG 4(3,1) Elementary Italian Language and Civilization I: PR: ITA 1121C or equivalent. Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

ITA 1121C CAH-LANG 4(3,1) Elementary Italian Language and Civilization II: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall, Spring.

ITA 2200 CAH-LANG 3(3,0) Intermediate Italian Language and Civilization I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of diction, expressive, descriptive, and creative use of language, extensive readings, and further study of Italian culture. Fall.

ITA 2201 CAH-LANG 3(3,0) Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian culture and civilization. Spring.

ITA 2210 CAH-LANG 3(3,0) Intensive Italian Conversation: PR: One year of Italian or equivalent. Practical use of the language leading toward fluency and correctness in speaking. Occasional.

ITA 2240 CAH-LANG 3(3,0) Italian Conversation: PR: ITA 2201 or equivalent. Development of skills in conversation and comprehension with an introduction to Italian culture. Occasional.

ITA 3420 CAH-LANG 3(3,0) Italian Composition: PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

ITA 3440 CAH-LANG 3(3,0) Italian for Business: PR: ITA 2200. Italian language for business purposes. Occasional.

ITA 3472 CAH-LANG 3(3,0) Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. Occasional.

ITA 3760 CAH-LANG 3(3,0) Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4820 CAH-LANG 3(3,0) Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. Occasional.


ITT 3489 CAH-LANG 3(3,0) Study Abroad: Italian Literature in Translation: PR: C1. Main literary tendencies and authors of Italian literature, taught in the native environment. Occasional.

ITT 4956 CAH-LANG 3(3,0) Study Abroad: Modern and Contemporary Italian Culture: PR: Junior standing and C1. Modern and contemporary Italian culture in the natural environment. Occasional.

ITT 4957H CAH-LANG 3(3,0) Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. Occasional.

ITW 2200 CAH-LANG 3(3,0) Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITW 3101 CAH-LANG 3(3,0) Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th to the present. Occasional.

ITA 1120C COS-COMM 3(3,1) News Reporting: PR: Admission to CI or journalism major. Major, or Magazine Journalism Minor and meet grammar requirements. Fall, Spring. M&S fee: $15.00
JOU 3004 COS-COMM  3(3,0)
History of American Journalism: Development of mass media, reading materials, and the media's role in the nation's history. Fall, Spring.

JOU 3101 COS-COMM  3(3,0)
Advanced Reporting: PR: Journalism major or Magazine Journalism minor, meet Grammar Proficiency standard, and a minimum grade of "C" (2.0) in JOU 2100C. The development, impact, and problems of using the Internet as a journalistic tool. Write and design news for the Web. Occasional. M&S fee: $15.00

JOU 3400C COS-COMM  3(1,3)
On-line Journalism I: PR: PUR 3100, or a minimum grade of "C" (2.0) in JOU 2100C. The development, impact, and problems of using the Internet as a journalistic tool. Write and design news for the Web. Occasional. M&S fee: $15.00

JOU 3414C COS-COMM  3(1,3)
On-line Journalism II: PR: JOU 4304. Study, design, and development of on-line journalism materials. Occasional. M&S fee: $15.00

JOU 4324C COS-COMM  3(2,1)

JOU 4700 COS-COMM  3(3,0)
Journalism Ethics: PR: MMC 3200. Ethical problems, codes, and practices in newsrooms. Fall, Spring.

JPN 1120C CAH-LANG  4(3,1)
Elementary Japanese Language and Civilization I: Introduces the student to Japanese culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall.

JPN 1121C CAH-LANG  4(3,1)
Elementary Japanese Language and Civilization II: PR: JPN 1120C or equivalent. Continuation of JPN 1120C. Spring.

JPN 2200 CAH-LANG  3(3,1)
Intermediate Japanese Language and Civilization I: PR: JPN 1121C or equivalent. This course aims to aid in acquiring and refining the acquisition of the four skills in modern Japanese: speaking, listening, reading, and writing. The emphasis is on accurate communication in Japanese. The culture of Japan will also be studied. Fall.

JPN 2201 CAH-LANG  3(3,1)
Intermediate Japanese Language and Civilization II: PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. Spring.

JPN 2952 CAH-LANG  3(3,0)

JPN 3760 CAH-LANG  3(3,0)
Advanced Japanese Conversation: PR: JPN 1121C or equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. Occasional.

JST 3005 CAH-JUD  3(3,0)

JST 3100 CAH-JUD  3(3,0)

JST 3120 CAH-JUD  3(3,0)

JST 3121 CAH-JUD  3(3,0)
Classical Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocalyptic, Qumran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.

JST 3125 CAH-JUD  3(3,0)

JST 3132 CAH-JUD  3(3,0)

JST 3144 CAH-JUD  3(3,0)
Dead Sea Scrolls: PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance. Occasional.

JST 3190 CAH-JUD  3(3,0)
The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. Occasional.

JST 3210 CAH-JUD  3(3,0)
Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. Occasional.

JST 3312 CAH-JUD  3(3,0)
Identity and Genre: PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. Occasional.

JST 3312H CAH-JUD  3(3,0)
Honors Jewish Identity and Genre: PR: ENC 1102 and consent of Honors. Literary genres in Jewish and Hebrew literature of the 18th and 19th centuries as related to the intellectual quest for Jewish identity and modernism. With Honors content. Occasional.

JST 3401 CAH-JUD  3(3,0)
The Jewish People I: Introduction survey of the history and culture of the Jewish people from the beginnings of Judaism through the Greco-Roman and rabbinic periods. Fall.

JST 3402 CAH-JUD  3(3,0)
The Jewish People II: The life and history of the Jews in the medieval and modern worlds. Spring.

JST 3415 CAH-JUD  3(3,0)

JST 3424 CAH-BIBL  3(3,0)
Biblical Archaeology: PR: ENC 1102. Examines archaeological excavations in Israel and the ancient Near East to shed light on events and stories recorded in the Bible. Occasional.

JST 3450 CAH-JUD  3(3,0)
Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish Transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel. Occasional.

JST 3481 CAH-JUD  3(3,0)
20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Solowitch, within the historical context of European immigration to the U.S. Occasional.

JST 3550 CAH-JUD  3(3,0)
Introduction of Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.

JST 3551 CAH-JUD  3(3,0)

JST 3620 CAH-JUD  3(3,0)
JST 3701 CAH-JUD 3(3,0) History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. Occasional.

JST 3751 CAH-JUD 3(3,0) Literature of the Holocaust: A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew literature. Occasional.

JST 3803 CAH-JUD 3(3,0) The Israeli Experience in Short Stories: PR: ENC 1102. The Israeli experience in contemporary short stories. Themes include Judaism - Past & Present, War & Peace, Society, the Holocaust, the Kibbutz and Israeli reality. Occasional.

JST 3810 CAH-JUD 3(3,0) The Jewish National Movement and Roots of Zionism: Roots of Zionism and Jewish nationalism and their relationship to modern anti-Semitism, through analysis of European Jewish history and society. Occasional.

JST 3820 CAH-JUD 3(3,0) Modern Hebrew Culture: The Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped the contemporary Israeli society and politics. Occasional.

JST 3832 CAH-JUD 3(3,0) Modern Hebrew Literature: Studies in contemporary Hebrew literature, with a focus on the development of modern Hebrew literature and its impact on Israeli society. Occasional.

JST 3842 CAH-JUD 3(3,0) Programs in Teaching Language and Composition: PR: EDG 4410, CR: LAE 4360 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. Fall.

JST 3860 ED-TLP 3(3,0) Instructional Analysis: PR: EDG 4410, ED 4417, ESL 4406, and LAE 4464. CR: LAE 4342 and LAE 3940. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school. Fall, Spring.

JST 3861 ED-TLP 3(3,0) Literary Strategies for Middle and High School: PR: EDG 4232 or EVT 3965 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. Fall, Odd Years.

JST 4464 ED-TLP 3(3,0) Survey of Adolescent Literature: PR: ENC 1101 and admission to the college. This course is designed to explore adolescent young adult literature from an educational and historical perspective. Spring.

JST 5195 ED-TLP 3(3,0) CFWP Teacher Consultant: PR: C.I. This course is designed for Fellows of the CFWP Sumner Institute who will plan, practice, and present writing in-service components to public schools. Occasional.

JST 5295 ED-TLP 1-3(1-3,0) Writing Workshop: PR: C.I. Students will engage in exploration and practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. Occasional.

JST 5319 ED-TLP 3(3,0) Methods of Elementary School Language Arts: PR: EDG 4323. Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.
LIN 3716 HPA-COM SC&DIS 2(0,2)

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 of age, with emphasis on how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 4105 CAH-ENG 3(3,0)
History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102 and junior standing or C. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinesthetic, proxemic, paralinguistic, 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 in 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)

LIN 4711L HPA-COM SC&DIS 1(0,1)
Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing and describing language samples across the lifespan. Graded S/U. Fall, Spring.

LIN 4801 CAH-ENG 3(3,0)
Language and Meaning: PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5137 CAH-ENG 3(3,0)
Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(3,0)
English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2000 CAH-ENG 3(3,0)
Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of fiction, drama, verse, conflict, characterization, point of view, rhetorical and poetic devices, figurative language, verse forms, application of critical approaches to selected works. 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 Molére, Voltaire, Goethe, Pushkin, Balcæ, Tolstoy, Iben, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 2120H CAH-ENG 3(3,0)
World Literature II - Honors: PR: Permission of Honors. Same as LIT 2120, with honors-level content. Occasional.

LIT 3082 CAH-ENG 3(3,0)
Contemporary European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3192H CAH-ENG 3(3,0)
Honors Caribbean Literature: PR: Permission of Honors. Same as LIT 3192, with honors-level 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)

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 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. 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. Honors content. Occasional.

LIT 3394 CAH-ENG 3(3,0)
Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.

LIT 3394H CAH-ENG 3(3,0)

LIT 3482 CAH-ENG 3(3,0)

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 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 3911H CAH-ENG 1(1,0)

LIT 4043 CAH-ENG 3(3,0)
Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

LIT 4184 CAH-ENG 3(3,0)
Irish Literature: PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.

LIT 4233 CAH-ENG 3(3,0)
Postcolonial Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strength of postcolonial readings, and the relationship of postcolonial theory to other theories. Occasional.

LIT 4244 CAH-ENG 3(3,0)
World Authors: PR: ENG 3014. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 4303 CAH-ENG 3(3,0)
Post-World War II Fiction: PR: Grade of C (2.0) or better required in ENG 3014. An investigation of various modes of reality in the works of significant postmodernist world authors, crossing cultural boundaries. Occasional.

LIT 4374 CAH-ENG 3(3,0)
Literature of the Bible: PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Occasional.

LIT 4374H CAH-ENG 3(3,0)
Honors Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms 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 ENC 1102, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. Occasional.

LIT 4937H CAH-ENG 3(3,0)
English Honors Seminar: PR: ENG 3014 and permission of Honors. In-depth study of language and literature with an emphasis on creative and critical abilities. Occasional.

LIT 5028 CAH-ENG 3(3,0)
Form and Theory of Short Story: PR: Graduate status or senior standing or C.I. Evolving forms and theories of short fiction and the implications of form and theory. Occasional.

LIT 5269 CAH-ENG 3(3,0)
Nineteenth-Century Essays: PR: Graduate status or senior standing or C.I. English non-fiction prose of the 19th century. Occasional.
MAC 1105H COS-MATH 3(3,0)
MAC 1105H: College Algebra: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105 with a C (2.0) or higher, or C.I. Honors College Algebra: PR: Appropriate score on placement test and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic, and trigonometric), analysis of conic sections, analysis of systems of linear equations, sequences and series, mathematical induction, and the binomial theorem. The "NC" grading policy applies to this course. Occasional.

MAC 1114 COS-MATH 3(3,0)
MAC 1114: College Trigonometry: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105 with a C (2.0) or higher, or C.I. The circle arc length, circular functions, identities, inverse functions, applications to simple harmonic motion, and graphs of trigonometric functions. Preparatory for upper-level mathematics. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140H COS-MATH 3(3,0)
Honors Pre-Calculus Algebra: PR: Math placement test and permission of Honors. Polynomial, rational, exponential, logarithmic and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The "NC" grading policy applies to this course. Occasional.

MAC 2147 COS-MATH 5(5,0)
Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical background who do not want to go too deeply into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. Even Fall, Spring.

MAC 2233 COS-MATH 3(0,3)
Concepts of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better, or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311. The "NC" grading policy applies to this course. Occasional.

MAC 2241 COS-MATH 4(4,0)
Calculus for Life Sciences: PR: MAC 1105. Discrete dynamical systems; derivatives and dynamics; applications of derivatives, integrals and their applications. For biologists and others required to have one semester or calculus. The "NC" grading policy applies to this course. Occasional.

MAC 2253 COS-MATH 3(0,3)
Applied Calculus I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better and MAC 1114 with a C (2.0) or better, or C.I. Differential and integral calculus, with emphasis on applications to engineering. Not open to students with credit in MAC 2253 or MAC 2211. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311 COS-MATH 4(4,0)
Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better and MAC 1114 with a grade of C (2.0) or better, or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry I: PR: MAC 1100 (or C.I. Any higher level mathematics course) and MAC 1114 (or equivalent) and consent of Honors. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. The "NC" grading policy applies to this course. With Honors content. Fall, Spring.

MAC 2312 COS-MATH 4(4,0)
Calculus with Analytic Geometry II: PR: Grade of C (2.0) or better in MAC 2311, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations; polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2312H COS-MATH 4(4,0)
Calculus with Analytic Geometry II (Honors): PR: Permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations; polar coordinates; infinite sequences and series. With Honors content. Fall, Spring.

MAC 2313 COS-MATH 4(4,0)
Calculus with Analytic Geometry III: PR: Grade of C (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0)
Calculus with Analytic Geometry III (Honors): PR: Permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. With Honors content. Spring.

MAC 3103H COS-MATH 3(3,0)
Systems Modeling and Simulation: PR: Appropriate score on the UCF Math Placement Exam, or any of Honors Calculus I, II, or III and series, induction, binomial theorem. The "NC" grading policy applies to this course.

MAC 3140H COS-MATH 3(3,0)
Honors Pre-Calculus Algebra: PR: Math placement test and permission of Honors. Polynomial, rational, exponential, logarithmic and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The "NC" grading policy applies to this course. Occasional.
MAE 5336 ED-TLP 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 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. Fall, Spring.

MAN 2021 BA-MAN 3(3,0)
Management: PR: Junior standing. For non-business majors in the interdisciplinary application of the management functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(4,0)
Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 4(4,0)
Honors Management of Organizations: PR: Junior standing and approved major or minor; MAN 3025. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.

MAN 3301 BA-MAN 3(3,0)
Management of Human Resources: PR: Junior standing and approved major or minor; MAN 3025. Provides non-business majors with a review of basic human resource management practices and policies and the organizational role of the HRM function. Occasional.

MAN 3302 BA-MAN 3(3,0)

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 4092 BA-MAN 3(3,0)

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 4310 BA-MAN 3(3,0)
Human Resource Management Issues: PR: Management major, Junior standing, MAN 3301. An application-oriented course to give students in the area experiences generally reserved for practitioners in the field of human resource management and labor relations. Odd Spring.

MAN 4320 BA-MAN 3(3,0)
Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330 BA-MAN 3(3,0)
Compensation Administration: PR: Management major and MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.

MAN 4350 BA-MAN 3(3,0)
Training and Development: PR: Management major, Junior standing, 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, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve labor-management cooperation. Occasional.

MAN 4441 BA-MAN 3(3,0)

MAN 4521 BA-MAN 3(3,0)
Production Planning and Control: PR: Management major, ISM 3530. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4600 BA-MAN 3(3,0)
International Management: PR: Approved major or minor, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0)
Business Ethics and Corporate Social Responsibility: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today’s complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 BA-MAN 4(4,0)
Strategic Management: PR: MAN 3025, MAN 3023, FIN 3402C and GEB 3031. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. Fall, Spring.

MAN 4720H BA-MAN 4(4,0)
Honors Strategic Management: PR: Permission of Honors and Graduate center. Capstone course integrates and applies management theories, and frameworks to tackle modern organizational planning problems, and opportunities. Honors credit. Occasional.

MAN 4802 BA-MAN 3(3,0)
Entrepreneurship: PR: GEB 3032 or (MAN 3025 and MAN 3023). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing financing and developing a new venture. Fall, Spring.

MAN 4804 BA-MAN 3(3,0)
Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C.I. Students are assigned teams and work with a local small business. Occasional.

MAN 5021 BA-MAN 1.5(1,5,0)
Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.

MAN 5050 BA-MAN 2(2,0)

MAN 5867 BA-MAN 3(3,0)

MAP 2302 COS-MATH 3(3,0)
Differential Equations: PR: Grade of “C” or better in MAC 2312, or C.I. Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. Fall, Spring.

MAP 2302H COS-MATH 3(3,0)

MAP 3401 ECS-ENT 3(3,0)
Problem Analysis: PR: MAC 2311 or MAC 2233 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology. Fall, Spring.

MAP 3923 COS-MATH 1(1,0)
Projects in Mathematical Research: Colloquia and Public Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded SU. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 3937 COS-MATH 1(1,0)
Techniques of Problem Solving: PR: MAC 2311 or MAC 2233 or C.I. An overview of model construction, Model fitting, optimization models, empirical construction and modeling dynamic behavior. Spring.

MAP 4103 COS-MATH 3(3,0)

MAP 4113 COS-MATH 3(3,0)

MAP 4153 COS-MATH 3(3,0)
Vector and Tensor Analysis: PR: MAC 2313 or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0)
Optimization for Actuarial Science: PR: MAC 2312 and STA 2432. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation. Occasional.

MAP 4307 COS-MATH 3(3,0)

MAP 4363 COS-MATH 3(3,0)

MAP 4364 COS-MATH 3(3,0)
MAP 4371 COS-MATH 3(3,0) Numerical Methods for Differential Equations: PR: MAC 2312 or C.I. Numerical techniques and practices used in solving ordinary differential equations and PDE. Covers Euler’s method, trapezoidal rule, multi-step methods, Runge-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stabil-
ity. Occasional.

MAP 4384 COS-MATH 3(3,0) Numerical Methods for Computational Sciences: PR: MAP 2302 and MAS 3105 or C.I. Theory of modern methods of numerical computation and cal-
cus analysis in linear algebra and differential equations; non-linear optimization, finite element methods, adaptive quadrature. Occasional.

MAP 5106 COS-MATH 3(3,0) Introduction to Quantitative Aspects of Modelling and Simulation: PR: MAC 2312, graduate status or senior standing, or C.I. An introduction to calculus, matrix algebra, probability, and statistics, and high level programming languages. A student may receive credit for this content does not have to take this course. Occasional.

MAP 5117 COS-MATH 3(3,0) Mathematical Modeling: PR: STA 4321, MAP 3693, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Fall.

MAP 5336 COS-MATH 3(0,0) Ordinary Differential Equations and Applications: PR: MA M 5228 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 5396 COS-MATH 3(3,0) Splines and Data Approximation: PR: MAS 3105 or C.I. Univariate splines and their application to data fitting. Applications to regression analysis, differential and integral equations. Algorithms to use different types of splines in computer. Occasional.

MAP 5404 COS-MATH 3(0,0) Mathematical Foundations for Industrial Engineering and Operations: PR: MAP 2302, ESA 5219 or equivalent, ESA 4312, and graduate status or senior standing or C.I. Methods of proof, set theory; basic elements of topology, real analysis, graph theory, and matrix analysis. Occasional.

MAP 5426 COS-MATH 3(3,0) Special Functions: PR: MAP 2302, and gradu-
ate standing in C.I. or C.I. Series and integral representations, generating functions, recurrence rela-
tions and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric func-
tions. Occasional.

MAP 5435 COS-MATH 3(3,0) Advanced Mathematics for Engineers: PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods for differential equations, and applica-
tions to engineering. Occasional.

MAP 5514 COS-MATH 3(3,0) Linear and Nonlinear Waves I: PR: MAP 2302, MAP 4353, and graduate status or senior standing, or C.I. Equations of motion in inviscous and viscous fluids, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. Occasional.

MAP 5931 COS-MATH 1(1,0) Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and presenting current investigations. Different branches of mathematics will be covered 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 College. Program in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and con-
trol. Fall.

MAR 3323 BA-MAR 3(3,0) Integrated Marketing Communication: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated market-
ing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0) Professional Selling: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Written and verbal com-
munication skills applied to professional selling. A significant portion of the course is devoted to the study of professional selling. Fall, Spring.

MAR 3391H BA-MAR 3(3,0) Honors Professional Selling: PR: MAP 3023 and consent of Honors, or C.I. Applied written and verbal com-
munication skills learned within the context of professional selling with honors content. Spring.

MAR 3403 BA-MAR 3(3,0) Sales Force Management: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales pro-
gram formulation and implementation. Fall, Spring.

MAR 3503 BA-MAR 3(3,0) Customer Behavior: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Emphasis on consumer buying behavior, building long-term customer relationships, segmentation of markets and positioning strategies. Fall, Spring.

MAR 3613 BA-MAR 3(3,0) Marketing Analysis and Research: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor and one of the following: STA 3023 with a grade of C (2.0) or better or ECO 3411 with a grade of C (2.0) or better. Analytical tools and their application to marketing problems and decision making. Forecasting, financial analysis, and acquisition of primary data through market research are emphasized. Fall, Spring.

MAR 3641 BA-MAR 3(3,0) Marketing Intelligence: PR: MAP 3023 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.

MAR 3721 BA-MAR 3(3,0) E-Marketing: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Course provides an in-depth study of the role of the internet in developing marketing strategies and plans. Occasional.

MAR 4156 BA-MAR 3(3,0) International Marketing: PR: MAP 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: MAP 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(3,0) Strategic Issues in Sales-Lecture: PR: MAP 3023, MAP 4415C, common program prerequisites, 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(3,0) Advanced Professional Selling: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the sports and leisure industry. Occasional.

MAR 4711 BA-MAR 3(3,0) Healthcare Marketing: PR: MAP 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) Marketing Management: PR: C.I. or C.I. Marketing and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

MAR 4803 BA-MAR 3(3,0) Marketing Management: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAP 3503 with a grade of C (2.0) or better and MAP 3641 with a grade of 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: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAP 4803 with a grade of C (2.0) or better. Marketing problems are explored, with emphasis on strategy formulation and integrative marketing decision-making. Fall, Spring.

MAR 4841 BA-MAR 3(3,0) Services Marketing: PR: MAP 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: MAP 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 techology, 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, applica-
tion approval, consent of department chair. Provides stu-
dent 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. Matrices, determinants, vector spaces in Rn, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Form, matrix func-
tions, quadratic forms. Fall, Spring.

MAS 3106 COS-MATH 4(4,0) Linear Algebra: PR: MHF 3302, MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomor-
phisms, projections, inner products, the spectral theorem, Jordan Canonical Form. (Only offered spring semester). Spring.

MAS 3203 COS-MATH 3(3,0) Introduction to Number Theory: PR: MHF 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congru-
ces. 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 3404  COM&M&M  3(3,0)
Bacterial Genetics and Physiology: PR: PCB 3522. Basic principles of microbial genetic analysis and emphasizing microbial genetic approaches are used to understand fundamental, physiological processes in bacteria. Spring.

MCB 3522H  COM&M&M  3(3,0)

MCB 4114C  COM&M&M  4(3,3)

MCB 4203  COM&M&M  3(3,0)
Infectious Processes: PR: MCB 3202C. The infectious process and the response of host cells and tissue to infection. Fall.

MCB 4204  COM&M&M  3(3,0)
Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to micro- bial pathogenesis. Spring.

MCB 4276  COM&M&M  3(3,0)
Epidemiology of Infectious Diseases: PR: MCB 3020C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. Spring.

MCB 4312  COM&M&M  3(3,0)
Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; pathogens and regulations. Fall.

MCB 4414  COM&M&M  3(3,0)
Microbial Metabolism: PR: MCB 3020C, CR: BCH 4053. Interrelationship between cellular structure function and genetic traits in microorganisms. The interplay between microorganisms and their nutritional environment. Fall, Spring.

MCB 4503C  COM&M&M  3(3,0)

MCB 4603  COM&M&M  3(3,0)
Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MCB 4721O  COM&M&M  3(3,0)
Industrial Perspectives Seminar: PR: Biotechnology major and CR: MCB 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. Fall.

MCB 4721C  COM&M&M  4(2,4)
Methods in Biotechnology: PR: BSC 3403C. Fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee: $45.00

MCB 5205  COM&M&M  3(3,0)
Infectious Processes: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.
MUC 2104C CAH-MUSIC 2(1,1)  Composition II: PR: MUC 1101C and Music or composition major. Continued study of work on the computer. 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 work on the composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 3311 CAH-MUSIC 3(2,2)  MIDI Sequencing I: I: PR: Keyboard ability and reading music or C.I. Utilization of synthesizers, drum machines, and computers with MIDI sequencing software to create music. Fall, Spring. M&S fee: $15.83.

MUC 4106C CAH-MUSIC 4(1,1)  Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4950 Composition Recital: CR: MUC 4106C. Culling public concert of works written while studying Composition I-IV. Graded S/U. Odd Fall.

MUC 5112 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 2360C and MUC 1101C, or C.I. Creation of electroacoustic music including synthesis, sample editing, and performance practices. Occasional.


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: MUE 1040 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: MUE 2470 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: MUE 1040 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 1040 major, junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&S fee: $35.00.

MUE 2471 CAH-MUSIC 1(1,1)  Percussion Techniques II: PR: MUE 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today’s instrumental music teachers. Odd Spring. M&S fee: $35.00.

MUE 3210 ED-TLP 1(1,0)  Music in the Elementary School: PR: EDF 2005; CR: MUE 4013, HLP 4522, RED 4019, MUE 4226, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.


MUE 3451 CAH-MUSIC 1(1,0)  Woodwind Techniques II: PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC 1(1,1)  Brass Techniques II: PR: MUE 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.


MUE 3693 CAH-MUSIC 2(2,0)  Technology in Music Education: PR: MUE 2460 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring. M&S fee: $2.00.

MUE 3942 CAH-MUSIC 3(3,0)  Music Internship I: PR: MUT 3311. Music education major or C.I. Study of advanced music education theories and practices. Fall, Spring.

MUE 4331 CAH-MUSIC 2(2,0)  Elementary School Music Methods: PR: Junior standing, MUE 2470 major, Organization and administration of instruction for comprehensive music education. Odd Spring.

MUE 4334 CAH-MUSIC 2(2,0)  Secondary School Music Methods: PR: MUE 3311 or C.I. Study of instrumental music methods and pedagogical techniques for middle school; high school; and compositions. Even Fall.

MUE 4505 ED-TLP 2(3,0)  General Music Pre-K through Grade 8: PR: MUC 1102 or C.I. Introduction to pre-K through 8th grade music education. Fall, Spring.

MUE 4534 CAH-MUSIC 2(2.0)  Music and Students with Special Needs: PR: MUC 2410 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.

MUE 5348C CAH-MUSIC 4(4,0)  Music Internship: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education. Fall, Spring.

MUG 3104 CAH-MUSIC 1(2,1)  Basic Conducting: PR: MUC 3333 or C.I. Fundamental techniques and practice in conducting. Fall.

MUG 3302 CAH-MUSIC 3(3,0)  Variable Choral Conducting and Materials: PR: MUG 3104. Fundamental principles of choral conducting and rehearsal techniques including an examination of materials. Even Spring.

MUG 3302 CAH-MUSIC 3(3,0)  Variable Instrumental Conducting and Materials: PR: MUG 3104. Fundamental principles of instrumental conducting and rehearsal techniques including an examination of materials. Spring.

MUG 4106 CAH-MUSIC 2(1,1)  Advanced Conducting: PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. Odd Spring.

MUG 4440 CAH-MUSIC 4(4,0)  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 5021 CAH-MUSIC 2(2,0)  Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC 1(2,1)  Basic Conducting: PR: MUC 3333 or C.I. Fundamental techniques and practice in conducting. Fall.

MUG 3302 CAH-MUSIC 3(3,0)  Variable Instrumental Conducting and Materials: PR: MUG 3104. Fundamental principles of instrumental conducting and rehearsal techniques including an examination of materials. Spring.

MUG 4106 CAH-MUSIC 2(1,1)  Advanced Conducting: PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. Odd Spring.

MUG 4440 CAH-MUSIC 4(4,0)  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 5021 CAH-MUSIC 2(2,0)  Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.
MUN 3713 CAH-MUSIC 1(0,4) Jazz Lab: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3714 CAH-MUSIC 1(0,2) Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3723 CAH-MUSIC 1(0,3) Vocal Jazz Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.

MUN 3813 CAH-MUSIC 1(1,1) Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 4476 CAH-MUSIC 1(0,2) Early Music Ensemble: PR: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 5125 CAH-MUSIC 1(0,3) Concert Band: PR: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5145 CAH-MUSIC 1(0,4) Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5215 CAH-MUSIC 1(0,5) Symphonic Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5325 CAH-MUSIC 1(0,3) Women's Chorus: PR: Open to all graduate students by audition. Performance of vocal music for women's voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5368L CAH-MUSIC 1(0,3) Graduate Madrigal Singers: PR: Graduate standing in Music Education and C.I. Study of varied literature for small vocal ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $20.00

MUN 5385L CAH-MUSIC 1(0,3) Graduate University Chorus: PR: Graduate standing in Music Education and C.I. Study and performance of large ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $20.00

MUN 5445 CAH-MUSIC 1(0,2) Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $35.00

MUN 5465L CAH-MUSIC 1(0,2) Graduate Chamber Music: PR: Graduate standing in Music Education and C.I. The study and performance of vocal and/or instrumental chamber ensemble literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $20.00

MUN 5478L CAH-MUSIC 1(0,3) Early Music Ensemble: PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertoire of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $5.00

MUN 5715L CAH-MUSIC 1(0,4) Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee: $20.00

MUN 5716L CAH-MUSIC 1(0,2) Jazz Chamber Group: PR: Audition, graduate standing or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee: $20.00

MUN 5722L CAH-MUSIC 1(0,2) Opera Institute: PR: Open to all students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $5.00

MUN 5950L CAH-MUSIC 1(0,3) Music BA Capstone Project: PR: C.I. Self-designed project completed under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded SU. Occasional.

MUS 1010 CAH-MUSIC 1(0,2) Music Forum: PR: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $45.00

MUS 1250 CAH-MUSIC 1(2,0) IPA for Singers/Musician: PR: Any International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. Odd Fall.

MUS 1952C CAH-MUSIC 1(0,3) Study Abroad: Irish Music: PR: C.I. The history, genres, forms, instruments, and performance of Irish music taught in the native environment. Graded SU. Occasional.

MUS 2360C CAH-MUSIC 1(2,2) Introduction to Music Technology: PR: Music or Digital Media major or C.I. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CD's, and the Internet. Fall, Spring. M&S fee: $13.83

MUS 3254 CAH-MUSIC 1(2,0) Italian and French Lyric Diction: PR: MUS 2501. Study and applications of the correct sung pronunciation of the Italian and French languages. Odd Spring.

MUS 3255 CAH-MUSIC 1(2,0) German and English Lyric Diction: PR: MUS 2501. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUS 3900 CAH-MUSIC 1(0,1) Recital Performance I: PR: Junior Level Applied Music. Lecture and performance of Irish music and C. I. Public recital of 30 minutes to demonstrate performance skills. Graded SU. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC 1(3,0) Music Business and Industry: PR: MUS 2360C or C.I. Today's music industry copyright, publishing, contracts and licensing. Odd Spring.


MUS 4674 CAH-MUSIC 1(3,0) Health and Wellness for the Performing Musician: PR: MUT 2127 or C.I. Basic music theory and application of health and wellness concepts in music education. Fall, Spring.

MUS 4900 CAH-MUSIC 1(3,0) Music Business and Industry: PR: MUS 2360C or 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 2427. 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 2427 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 orchestral and wind ensembles and how to write for these instruments in combination. Odd Spring.

MUT 5381 CAH-MUSIC 3(3,0)
Arranging and Composing Music: PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Even Fall.

MUT 5936 CAH-MUSIC 3(3,0)
Music Theory Seminar: PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. Occasional.

MVB 1211 CAH-MUSIC 1(0,1)

MVB 1212 CAH-MUSIC 1(0,1)

MVB 1214 CAH-MUSIC 1(0,1)

MVB 1215 CAH-MUSIC 1(0,1)
Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1411 CAH-MUSIC 2(1,1)
Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC 2(1,1)
French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC 2(1,1)
Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC 2(1,1)
Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1)
Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1)
French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1)
Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC 2(1,1)
Euphonium II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1)
Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC 2-3(1,1)
French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3432 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 3433 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 3434 CAH-MUSIC 2-3(1,1)
Tuba III: PR: MVB 2425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4441 CAH-MUSIC 4(1,1)
Trumpet IV: PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4442 CAH-MUSIC 4(1,1)
French Horn IV: PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4443 CAH-MUSIC 4(1,1)
Trombone IV: PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4444 CAH-MUSIC 4(1,1)
Euphonium IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4445 CAH-MUSIC 4(1,1)
Tuba IV: PR: MVB 3435 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 5451 CAH-MUSIC 2(1,0)
Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5452 CAH-MUSIC 2(1,0)
French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5453 CAH-MUSIC 2(1,0)
Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5454 CAH-MUSIC 2(1,0)
Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVJ 1010 CAH-MUSIC 2(1,1)
Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1213 CAH-MUSIC 2(1,1)
Jazz Guitar I: PR: Music major or C.I. Scales, arpeggios, chord voicings, and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1214 CAH-MUSIC 2(1,1)
Jazz Bass I: PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1219 CAH-MUSIC 2(1,1)
Jazz Drum Set I: PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2220 CAH-MUSIC 2(1,1)
Jazz Piano II: PR: MVJ 1010. Continuation of MVJ 1010. Scale Studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2223 CAH-MUSIC 2(1,1)
Jazz Guitar II: 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 2229 CAH-MUSIC 2(1,1)
Jazz Drum Set II: PR: MVJ 1219. Continuation of MVJ 1219. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3230 CAH-MUSIC 3(1,1)
Jazz Piano III: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3233 CAH-MUSIC 3(1,1)
Jazz Guitar III: PR: MVJ 2223. Continuation of MVJ 2223. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3234 CAH-MUSIC 3(1,1)
Jazz Bass III: PR: MVJ 2224. Continuation of MVJ 2224. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3339 CAH-MUSIC 3(1,1)
Jazz Drum Set III: PR: MVJ 2229. Continuation of MVJ 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.
Jazz Piano IV: PR: MVJ 3339. Continuation of MVJ 3339. Advanced Jazz piano literature, styles, and techniques. May be used in the degree program a maximum of 3 times. Odd Spring.

Jazz Bass IV: PR: MVJ 3334. 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.

Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3339. Advanced Jazz Drum Set skills, including sound concept, technique, literature, style, and history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVK 2121 CAH-MUSIC 4(1)
Class Piano II: PR: MVK 2121. Music majors only; not open to music majors whose major instrument is piano. Fall. Spring.

MVK 2222 CAH-MUSIC 4(1)
Class Piano IV: PR: Music major, MVK 2221 or C.I. Continuation of MVK 2221. Music majors only; not open to music majors whose major instrument is piano. Fall. Spring.

MVK 2421 CAH-MUSIC 4(1)
Piano II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall. Spring.

MVK 3431 CAH-MUSIC 4(2-3)
Piano II: PR: MVK 2421 and competence determined by faculty jury. Continuation of performance skills of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall. Spring.

MVK 4441 CAH-MUSIC 4(1)
Piano IV: PR: MVK 3431 and competence determined by faculty jury. Intensive advanced performance study of the piano, for performance majors. May be used in the degree program a maximum of 3 times. Fall. Spring.

MVK 4640 CAH-MUSIC 4(2)
Secondary Pedagogy II: PR: MVK 4441 or C.I. Methods, materials for teaching individuals and classes of children and adults beginning intermediate levels; demonstration and observation of procedures. May be used in the degree program a maximum of 2 times. Even Fall.

MVK 4641 CAH-MUSIC 4(1)
Pedagogy II: PR: C.I. Continuation of MVK 4640. Emphasis on intermediate through advanced levels. May be repeated for credit. Odd Spring.

MVK 4960 CAH-MUSIC 4(0)
Piano Proficiency Exam: PR: C.I. Demonstration of piano skills in basic repertoire, sight-reading, harmonization and transposition. Required of Music majors. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MVS 1214 CAH-MUSIC 4(1)

MVS 1215 CAH-MUSIC 4(1)
Secondary Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1216 CAH-MUSIC 4(1)
Secondary Guitar I: PR: Consent of Music Chair; CR: Performing ensemble. Advanced instruction in guitar. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1217 CAH-MUSIC 4(1)
Secondary Cello: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1411 CAH-MUSIC 4(1)
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC 4(1)
Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 4(1)
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 4(1)
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC 4(1)
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC 4(1)
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 4(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 4(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 4(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 4(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 4(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 4(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)  Bass IV: PR: MVS 2421 and competence determined by faculty jury. Intensive advanced performance study of the cello. Continued study of performance skills of the violoncello, 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)  Bass V: PR: MVS 2422 and competence determined by faculty jury. Intensive advanced performance study of the cello. Continued study of performance skills of the violoncello, 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)  Bass VI: PR: MVS 2423 and competence determined by faculty jury. Intensive advanced performance study of the cello. 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 VII: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC  2-3(1,1)  Bass VIII: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3436 CAH-MUSIC  2-3(1,1)  Bass IX: PR: MVS 2426 and competence determined by faculty jury. Intensive advanced performance study of the cello. Continued study of performance skills of the violoncello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4441 CAH-MUSIC  4(1,1)  Bass X: PR: MVS 2427 and competence determined by faculty jury. Continued study of performance skills of the violoncello, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4442 CAH-MUSIC  4(1,1)  Bass XI: PR: MVS 2428 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 4443 CAH-MUSIC  4(1,1)  Bass XII: PR: MVS 2429 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 5451 CAH-MUSIC  2(1,0)  Bass XIII: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5452 CAH-MUSIC  2(1,0)  Bass XIV: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5453 CAH-MUSIC  2(1,0)  Bass XV: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.
NUR 5900 CON-NURS  3(3,0) Interdisciplinary Care at End-of-Life: PR: Graduate status or C.I. Examination of interdisciplinary roles and strategies for enabling patients, families; and caregivers to approach end-of-life free from avoidable distress and suffering. Fall, Spring.

NUR 5720 CON-NURS  3(3,0) Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Examination of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. Fall.

NUR 5745 CON-NURS  1(1,0) Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5883 and NGR 5891. Student must be in last or second to last semester of program. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.

NUR 5800 CON-NURS  3(3,0) Theory for Advanced Practice Nursing: PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. Fall, Spring.

NUR 5871 CON-NURS  3(3,0) Health Care Informatics: PR: Baccalaureate degree in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. Fall.

NUR 5883 CON-NURS  1(1,0) Cultural, Legal, Ethical, and Political Issues of Advanced Practice Nursing: PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. Fall, Spring.

NUR 5884 CON-NURS  3(3,0) Legal and Professional Behavior in Advanced Practice Nursing: PR: Admission to MSN program or MSN 3252. Legal, ethical, cultural, and political issues related to professional advanced practice nursing. Fall, Spring.

NUR 5891 CON-NURS  1(1,0) Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. Fall, Spring.

NUR 5894C CON-NURS  3(2,1) International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation's health care systems. Occasional.

NUR 1800 CON-NURS  3(3,0) Nursing as a Profession: PR: Admission to the School of Nursing or C.I. Examination of professional roles of registered nurses and the practice of the registered nurse. Fall, Spring.

NUR 4245 CON-NURS  3(3,0) Women's Health Issues: PR: ENC 1102, Junior standing, or C.I. Factors and conditions impacting the health of women. May be repeated for credit. Fall, Spring.

NUR 4495 CON-NURS  3(3,0) Emergency Department Nursing: PR: Completion of both the pharmacology and pathophysiology components of the student's current nursing program curriculum, and NUR 3225 or RN License/Eligibility or C.I. Overview of Emergency Department Nursing. Topics include scopes of practice, laws, economics, nursing care and management of emergency physiologic conditions in the emergency department setting. Occasional.

NUR 4550 CON-NURS  3(3,0) Family and Interpersonal Violence: Perspectives for Nurses: PR: PSY 2012, SYG 2000 and enrollment in a nursing program or C.I. Family and interpersonal violence education to increase nurses' response including history; categories, cycles, laws, intervention, nursing resources, protocols and resources. Occasional.
UCF Courses and Descriptions

NUR 3225 CON-NURS 3(3,0)
Nursing Care of the Adult I: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3145; NUR 3445L. Integrated biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall.

NUR 3225L CON-NURS 2(0,6)
Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3145; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness or chronic health problems. Graded S/U. Fall. M&S fee: $45.00

NUR 3445 CON-NURS 3(3,0)
Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225 NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. Fall.

NUR 3445L CON-NURS 2(0,6)
Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3145; NUR 3445L. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. Fall. M&S fee: $45.00

NUR 3634 CON-NURS 3(3,0)
Community Health Nursing: PR: Admission to BSN program or RN Status or C.I.; ENC 1102. Theories and principles related to the promotion, maintenance and restoration of health in older adults in any healthcare setting. Fall.

NUR 3634L CON-NURS 2(0,6)
Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall.

NUR 3755L CON-NURS 2(0,6)
Essentials of Nursing Practice Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; 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 3795 CON-NURS 3(3,0)

NUR 3805 CON-NURS 3(3,0)
Dimensions of Professional Nursing Practice: PR: Nursing major/Junior level or C.I.: ENC 1102. Theoretical bases of professional nursing practice for RN to BSN students. Fall. Spring.

NUR 3806 CON-NURS 1(1,0)

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, successful completion of the professional nurse, including professional standards, legal and practice issues with honors content. Fall.

NUR 3826H CON-NURS 3(3,0)

NUR 3936 CON-NURS 3(2,2)
International Perspectives of Nursing and Health Care: PR: Enrolled in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care system in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3,0)
Holistic Nursing: Explore lived experience of health, wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4227 CON-NURS 4(4,0)
Nursing Care of the Adult II: PR: Admission to the BSN program. Study of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4553L; 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 4553; or C.I. Nursing care focused on acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Spring.

NUR 4257 CON-NURS 3(3,0)
Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.

NUR 4286 CON-NURS 3(3,0)
Gerontologic Nursing: PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4493 CON-NURS 3(3,0)
Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN licensure, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.

NUR 4516 CON-NURS 3(3,0)

NUR 4535 CON-NURS 3(3,0)
Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the Nursing curriculum, and concurrent enrollment in NUR 4227, NUR 4227L; NUR 4553L. 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 4553; NUR 4227; NUR 4227L. Clinical application of the nursing process, including decision making in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS 4(0,12)
Practicum in Community and Public Health Nursing: For RNs: PR: or CR: NUR 4553; NUR 4227; NUR 4535; NUR 4637, and NUR 4637. Synthesis of theories and concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded S/U. Fall, Spring.

NUR 4637 CON-NURS 2(2,0)
Public Health Nursing: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4454L, NUR 4453, NUR 4527. 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 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 4453, NUR 4527. 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 services and programs for rural populations. Occasional.

NUR 4760 CON-NURS 3(3,0)
Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. Occasional.

NUR 4765 CON-NURS 3(3,0)
Rehabilitation Nursing: Principles and Practice: PR: Admission to the nursing program, or RN license, or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4827 CON-NURS 3(3,0)
Leadership and Management Principles: PR: NUR 3805, RN Status or C.I. Scientific theories and principles to the management of a practice graduate entering professional nursing practice focus on leadership, management, and teaching roles in professional nursing. Application of decision making process. Fall, Spring.

NUR 4828 CON-NURS 3(3,0)
Nursing Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4828H CON-NURS 3(3,0)
Honors Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4829 CON-NURS 3(3,0)
Accelerated Transitioning into Professional Practice as a Leader: PR: or CR: NUR 4454L or C.I. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS 3(3,0)
Health Care Issues, Policy, and Economics: PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community. Fall, Spring.
NUR 4837H CON-NURS 3(3,0) Nursing Practicum: PR: C.I. Admission to the BSN program; first and 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 2(0,2) Directed Reading/Research-Honors: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U or Letter grade. Occasional.


OCE 3490 OPT-OPT 3(0,0) Nanophotonics: PR: PHY 2404C or C.I. Optical photonics on nano scale and interactions with elements of physics & engineering. Occasional.

OCE 4052 OPT-OPT 3(0,0) Introduction to Photonics: PR: EEL 3470. Properties of light as waves, fields, and photons. Introduction to optical devices, fibers, and lasers. Applications in imaging, signal processing, sensing, communications, and displays. Fall.

OCE 4470 OPT-OPT 3(0,0) Optical Fiber Communication Systems: PR: EEE 2350 and OCE 4052. Introduction to the principle and design of optical fiber communication systems including the optoelectronic devices used in transmitters and receivers. Spring.

OCE 4830 OPT-OPT 3(3,0) Introduction to Imaging Systems: PR: EEL 3123C and OCE 4052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic and hyperlens systems. Remote sensing and biological and medical applications. Spring.

OCE 5041 OPT-OPT 3(0,0) Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 or C.I. Electromagnetic foundation of light waves as propagating, diffraction, interference, polarization, coherence, and guided waves. Occasional.

OCE 5203 OPT-OPT 3(3,0) Geometrical Optics and Imaging Systems: PR: Gradient standing or C.I. Essentials of Geometrical Optics, Geometrical Theory of Image Formation, Optical System Layout, Radiometry, Fall, Spring.

OCE 5312 OPT-OPT 3(3,0) Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials, classical and quantum mechanical description of optical properties. Fall, Spring.

OCE 5513 OPT-OPT 3(3,0) Materials for Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OCE 5514 OPT-OPT 3(0,0) Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductor devices. Fall.

OCE 5561C OPT-OPT 3(2,1) Thin Film Optics: PR: PHY 4424 or EEL 4440 and OCE 5041 or OCE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasional.

PAD 3003 HPA-PUB 3(3,0) Public Administration in American Society: PR: POS 2041. An examination of the basic environment, culture, and organization of public administration in the United States. Fall, Spring.

PAD 3040 HPA-PUB 3(3,0) Ethics and Values in Public Administration: PR: Junior standing or C.I. Ethics, society, and values of public administration. Develops the awareness, skills, and value framework to act ethically. Occasional.

PAD 3330 HPA-PUB 3(3,0) Urban and Regional Planning: PR: PAD 3003 or C.I. Planning topics such as land-use, and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. Fall, Spring.

PAD 3733 HPA-PUB 3(3,0) Professional Administrative Writing in the Public Sector: PR: ENC 1102 or C.I. Professional and technical writing for the field of public administration. Fall, Spring.

PAD 3850 HPA-PUB 3(1,1) American Humancis Human Service Workshop: PR: Enrollment in American Humancis Minor or National Certificate Program through American Humanics Minor or Certificate or C.I. Focuses on non-profit and for profit human service agencies and organizations providing services to the community. Fall.

PAD 4034 HPA-PUB 3(3,0) The Administration of Public Policy: PR: ECO 2023. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0) Administrative Theory: A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administration. Fall, Spring.

PAD 4110 HPA-PUB 3(3,0) Intergovernmental Administration: Various approaches to studying and explaining the American Intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall, Spring.

PAD 4131 HPA-PUB 3(3,0) Public Sector Project Management: Various approaches to managing projects, including using scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. Occasional.

PAD 4144 HPA-PUB 3(3,0) Non-Profit Organizations: PR: Junior standing and have declared Non-Profit Minor or Certificate or C.I. The operations of nonprofit organizations, including working with board of directors, volunteer services, fund-raising and grantsmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0) Resource Development in the Nonprofit Sector: PR: Junior status and have declared Nonprofit Minor or Certificate or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB 3(3,0) Volunteer Management: PR: Junior status and have declared Nonprofit Minor or Certificate or C.I. Examination of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. Spring.

PAD 4153 HPA-PUB 3(3,0) Planning and Improvement for Pub Org: 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. An examination of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. Fall, Spring.

PAD 4223 HPA-PUB 3(3,0) Public Budgeting: Skills and Techniques: PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysts, focusing on the process of generating and using information. Occasional.

PAD 4253 HPA-PUB 3(3,0) Community & Economic Development: PR: PAD 3003 or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. Fall.

PAD 4325 HPA-PUB 3(3,0) Program Evaluation for Public and Non-Profit Organizations: PR: PAD 3003 or C.I. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. Spring.

PAD 4331 HPA-PUB 3(3,0) Land Use and Planning: PR: PAD 3330 or C.I. The study of land use and planning to include zoning 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, cultural, social and financial factors associated with urban design. Spring.

PAD 4351 HPA-PUB 3(3,0) Issues in Environmental Program Management: CR: PAD 3330. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4390 HPA-PUB 3(3,0) Hazard Mitigation and Preparedness: PR: PR or CR: PAD 4392. 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: PAD 3003 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: PR or CR: PAD 4392. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized. Spring.
PAD 4414 HPA-PUB 3(3,0)

PAD 4446 HPA-PUB 3(3,0)
Multiculturalism in Public Administration: PR: PAD 3003 or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 4461 HPA-PUB 3(3,0)
Reengineering Government: PR: PAD 3003. Acquaints undergraduate students with the latest thinking on improving the effectiveness and efficiency of public organizations via reengineering. Occasional.

PAD 4616 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 a private or public, 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 public managers and planners, 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 4941 HPA-PUB 3-6(0,6)
Public Administration Internship: PR: C.I. 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.

PAD 4948 HPA-PUB 3(3,0)
American Humanities Internship: PR: Enroll in American Humanities AH Certification Program, completion of 2 AH restricted course electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humanities AH certification program. Requires minimum of 300 hours placement in nonprofit human service organization. May be repeated for credit. Fall, Spring.

PAD 5041 HPA-PUB 3(3,0)
Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 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 non-profit organizations, including board selection, development and recruitment, training and theories of motivation, leadership, ethical issues. Fall, Spring.

PAD 5146 HPA-PUB 3(3,0)

PAD 5336 HPA-PUB 3(3,0)
Introduction to Urban Planning: Issues of urbanization, population growth, 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 state and local aspects of the legal underpinnings of urban planning 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 5427 HPA-PUB 3(3,0)

PAD 5807 HPA-PUB 3(3,0)
Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer. Occasional.

PAD 5850 HPA-PUB 3(3,0)
Grant and Contract Management: PR: Admission to the Master of Nonprofit Management 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.

PAF 2102 HPA-HPA 2(2,0)
Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.

PAF 3753H HPA-HPA 3(3,0)
Honors Ethical Issues in Health and Public Affairs: PR: Permission of Honors and senior standing. Examination of ethical issues and dilemmas relevant to health and public affairs. Spring.

PFR 3850H HPA-HPA 3(3,0)

PAF 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.

PAZ 4234 COS-BIOL 3(3,0)
Zoo and Aquarium Management: PR: PCB 3044, and PCB 3063 or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PAZ 5235 COS-BIOL 3(3,0)

PCB 3023 COS-BIOL 3(3,0)

PCB 3024L COS-BIOL 2(0,8)
Molecular Cell Biology Laboratory: PR: or CR: PCB 3023. Critical thinking, technical skills, and integration of biochemical, molecular, and molecular experimental approaches to understanding cell structure and function. Occasional.

PCB 3044 COS-BIOL 3(3,0)

PCB 3044L COS-BIOL 1(0,3)
Principles of Ecology Laboratory: PR: or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall. M&S fee: $15.00

PCB 3063 COS-BIOL 3(3,0)
Genetics: PR: BSC 2010C and CHM 2046, 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: BSC 2010C and CHM 2046, or C.I. Consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.

PCB 3063L COS-BIOL 1(0,3)
Genetics Laboratory: CR: PCB 3063. 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 immunity, and immune therapy. Fall.

PCB 3223L COM-M&M 1(0,3)
Immunology Laboratory: CR: PCB 3223. Introduction to laboratory techniques in immunology. Fall, Spring. M&S fee: $45.00

PCB 3301C COS-BIOL 4(3,4)

PCB 3304C COS-BIOL 2(2,4)

PCB 3314 COS-BIOL 3(3,0)

PCB 3355C COS-BIOL 2(1,1)
Tropical Marine Biology: PR: BSC 2010C and BSC 2011C or C.I. Intensive, one field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.

PCB 3342 COS-BIOL 3(3,0)

PCB 3522 COM-M&M 3(3,0)
Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genomes. Fall, Spring.

PCB 3703C COM-M&M 4(3,3)
Human Physiology: PR: BSC 2010C, CHM 1032 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M&S fee: $35.00

PCB 4028 COM-M&M 3(3,0) Molecular and Cellular Pathology: PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular bases of agents that modulate these processes will be covered. Spring.


PCB 4235 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 4251 COM-M&M 3(3,0) Tissue Engineering: PR: PCB 3320C or PCB 2045C. Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. Occasional.

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 4353 COS-BIOL 3(3,0) Florida Natural History: PR: 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: PCB 3003. Advanced topics in Genetics, including extra-nuclear inheritance, epigenesis, gene and chromosome mutagenesis, genetics of development and behavior, and advanced genetic analytical techniques. Occasional.


PCB 4524H COM-M&M 3(3,0) Molecular Biology II-Honors: PR: Permission of Honors and PCB 3522. Same as PCB 4524 with honors level content. Spring.


PCB 4663 COM-M&M 3(3,0) Human Genetics: PR: PCB 3522 or PCB 3023. Topics include the principles of genetics as applied in humans, human hereditary disorders, and the impact of genetics and technology on medicine and medical practices. Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Hours</th>
<th>Prerequisites</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL 2111 ED-CFCS</td>
<td>211</td>
<td>Intermediate Bowling</td>
<td>2(1,1)</td>
<td>PR: PEL 2111, bowling experience, or average of 140 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.</td>
<td>$6.00</td>
</tr>
<tr>
<td>PEL 2121 ED-CFCS</td>
<td>211</td>
<td>Beginning Golf</td>
<td>2(1,1)</td>
<td>Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring. M&amp;S fee: $24.00.</td>
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</tr>
<tr>
<td>PEL 2122 ED-CFCS</td>
<td>211</td>
<td>Intermediate Golf</td>
<td>2(1,1)</td>
<td>PR: PEL 2121 or equivalent competency. A study of performance and application of intermediate skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PEL 2341 ED-CFCS</td>
<td>211</td>
<td>Beginning Tennis</td>
<td>2(1,1)</td>
<td>Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional. M&amp;S fee: $24.00.</td>
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</tr>
<tr>
<td>PEL 2342 ED-CFCS</td>
<td>211</td>
<td>Intermediate Tennis</td>
<td>2(1,1)</td>
<td>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.</td>
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</tr>
<tr>
<td>PEM 2173 ED-CFCS</td>
<td>217</td>
<td>Step Aerobics</td>
<td>2(1,1)</td>
<td>Appropriate rhythmical muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. Fall, Spring. M&amp;S fee: $5.00.</td>
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</tr>
<tr>
<td>PEM 2175 ED-CFCS</td>
<td>217</td>
<td>Country/Western Dance</td>
<td>2(1,1)</td>
<td>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.</td>
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</tr>
<tr>
<td>PEM 2179C ED-CFCS</td>
<td>217</td>
<td>Boot Camp Fitness</td>
<td>2(1,1)</td>
<td>Study and application of aerobic and anaerobic fitness activities to improve core strength, posture, breath control, body alignment and flexibility. Occasional.</td>
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</tr>
<tr>
<td>PEM 2405 ED-CFCS</td>
<td>240</td>
<td>Self Defense for Women and Men</td>
<td>3(1,2)</td>
<td>Designed to provide students with self defense skills. Fall, Spring.</td>
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</tr>
<tr>
<td>PEM 2443 ED-CFCS</td>
<td>240</td>
<td>Tae Kwon Do</td>
<td>2(1,2)</td>
<td>An analysis and application of the martial arts, as part of an overall physical and mental training system. Occasional.</td>
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</tr>
<tr>
<td>PEM 5408C ED-CFCS</td>
<td>5408</td>
<td>Controlling Classroom Violence</td>
<td>3(2,1)</td>
<td>PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.</td>
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<tr>
<td>PEN 1121 ED-CFCS</td>
<td>1121</td>
<td>Elementary Swimming</td>
<td>2(1,1)</td>
<td>For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. Occasional.</td>
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</tr>
<tr>
<td>PEM 2101 ED-CFCS</td>
<td>2101</td>
<td>Body Development</td>
<td>2(1,1)</td>
<td>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.</td>
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<tr>
<td>PEM 2104 ED-CFCS</td>
<td>2104</td>
<td>Personal Fitness</td>
<td>3(2,1)</td>
<td>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.</td>
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<tr>
<td>PEM 2121C ED-CFCS</td>
<td>2121</td>
<td>Yoga</td>
<td>3(1,3)</td>
<td>Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, balance, and to allow the mind to be focused and centered. Fall, Spring. M&amp;S fee: $3.00.</td>
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<tr>
<td>PEM 2131 ED-CFCS</td>
<td>2131</td>
<td>Strength Resistance Training</td>
<td>2(1,1)</td>
<td>Study of fitness and strength development through resistance exercise. Fall, Spring. M&amp;S fee: $10.00.</td>
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<tr>
<td>PEM 2134C ED-CFCS</td>
<td>2134</td>
<td>Adventure Recreation</td>
<td>2(1,1)</td>
<td>Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, fishing and backpacking. Occasional. M&amp;S fee: $3.00.</td>
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<tr>
<td>PEM 2160 ED-CFCS</td>
<td>2160</td>
<td>Basic Football and Basketball</td>
<td>2(1,1)</td>
<td>The analysis of offensive and defensive techniques, strategies and options. PR: PEL 2111 or equivalent.</td>
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</tr>
<tr>
<td>PEM 3125 ED-CFCS</td>
<td>3125</td>
<td>Human Injuries</td>
<td>2(1,1)</td>
<td>PR: C.I. The prevention, identification, care, and rehabilitation of human injuries. Fall, Spring.</td>
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<tr>
<td>PEM 2624C ED-CFCS</td>
<td>2624</td>
<td>Coaching Volleyball</td>
<td>3(2,1)</td>
<td>Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive strategies and techniques. Fall.</td>
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<tr>
<td>PEM 3329C HPA-HP</td>
<td>3329</td>
<td>Principles of Athletic Training</td>
<td>3(2,1)</td>
<td>PR: Admissions to the Sport and Fitness program or C.I. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, and athletic performance in sport and fitness. Fall, Spring.</td>
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<tr>
<td>PEM 3351C HPA-HP</td>
<td>3351</td>
<td>Sports and Exercise Nutrition</td>
<td>3(0)</td>
<td>PR: PET 3620. Recognition and evaluation of athletic training principles. Fall.</td>
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<tr>
<td>PET 2084 ED-CFCS</td>
<td>2084</td>
<td>Introduction to Sport and Fitness</td>
<td>3(0)</td>
<td>PR: PET 3620. Recognition and evaluation of athletic training principles. Fall.</td>
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<tr>
<td>PET 2622C ED-CFCS</td>
<td>2622</td>
<td>Upper Extremity Function and Measurement</td>
<td>3(0)</td>
<td>PR: ZOO 3733C or ZOO 3736C. Upper extremity functional anatomy, manual muscle testing and goniometry. Spring.</td>
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</tr>
<tr>
<td>PET 3329C HPA-HP</td>
<td>3329</td>
<td>Lower Extremity Function and Measurement</td>
<td>3(0)</td>
<td>PR: ZOO 3733C or ZOO 3736C. Lower extremity functional anatomy, manual muscle testing and goniometry. Fall.</td>
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<tr>
<td>PET 3334C ED-CFCS</td>
<td>3334</td>
<td>Physiologic &amp; Metabolic Basis of Human Movement &amp; Performance</td>
<td>3(2,1)</td>
<td>PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, diet &amp; nutrition, and performance &amp; injury; each focusing on the key elements for the application of athletic training principles. Fall.</td>
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<tr>
<td>PET 3510C HPA-HP</td>
<td>3510</td>
<td>Physiologic &amp; Metabolic Basis of Human Movement &amp; Performance</td>
<td>2(2,1)</td>
<td>PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, diet &amp; nutrition, and performance &amp; injury; each focusing on the key elements for the application of athletic training principles. Fall.</td>
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<tr>
<td>PET 3620 HPA-HP</td>
<td>3620</td>
<td>Principles of Athletic Training</td>
<td>3(0)</td>
<td>PR: ZOO 3733C or ZOO 3736C. Senior standing. Open to all COHPA majors. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. Fall. M&amp;S fee: $15.00.</td>
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<tr>
<td>PET 3623C HPA-HP</td>
<td>3623</td>
<td>Recognition and Evaluation of Athletic Injuries I</td>
<td>3(2,2)</td>
<td>PR: PET 3620. Recognition and evaluation of athletic injuries. Fall.</td>
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<tr>
<td>PET 3627C HPA-HP</td>
<td>3627</td>
<td>Injury, Management, and Rehabilitation</td>
<td>3(2,1)</td>
<td>PR: PET 3620. Recognition and evaluation of athletic injuries. Fall.</td>
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<tr>
<td>PET 3633C HPA-HP</td>
<td>3633</td>
<td>Clinical Skills for Athletic Trainers I</td>
<td>3(0)</td>
<td>PR: PEO 3644 or ZOO 3736C. Junior standing; Open to all COHPA majors. Clinical training principles including muscular, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment skills. Fall. M&amp;S fee: $30.81.</td>
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<tr>
<td>PET 3649C HPA-HP</td>
<td>3649</td>
<td>Clinical Skills for Athletic Trainers II</td>
<td>2(1,1)</td>
<td>PR: PEO 3633C or ZOO 3736C. Junior standing; Open to all non-majors. Clinical skills including functional knowledge of muscular, tendon, and ligament anatomy; advanced taping and bracing skills; and rehabilitation and prevention. Occupationally relevant.</td>
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<tr>
<td>PET 3650C HPA-HP</td>
<td>3650</td>
<td>Clinical Skills for Athletic Trainers III</td>
<td>2(1,1)</td>
<td>PR: PEO 3633C or ZOO 3736C. Junior standing; Open to all non-majors. Clinical skills including functional knowledge of muscular, tendon, and ligament anatomy; advanced taping and bracing skills; and rehabilitation and prevention. Occupationally relevant.</td>
<td></td>
</tr>
</tbody>
</table>
PET 3670L HPA-HP 4(0,16) Practicum in Athletic Training I: PR: PET 3620. Clinical instruction to an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

PET 3671L HPA-HP 4(0,16) Practicum in Athletic Training II: PR: PET 3670L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

PET 3740C ED-CFCS 2(1,1) Teaching Physical Education in the Secondary School (6-12): Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

PET 3765 ED-CFCS 3(3,0) Coaching Theory: PR: Admitted to CDE or CI. Theories of coaching fever, and individual sports. Fall, Spring.

PET 3768 ED-CFCS 3(3,0) Group Exercise Instruction: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4550, PET 4312 (all required); or C.I. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.

PET 3770 ED-CFCS 3(3,0) Strength and Conditioning Concepts: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4215, PET 4550, PET 4312 (all required); or C.I. Integration of advanced concepts of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

PET 3820 ED-CFCS 3(2,1) Teaching Sports Skills I: PR: PEO 2011 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Occasional.

PET 3940 ED-CFCS 3(3,0) Internship I Physical Education: PR: EDG 4323; CR: PET 3930. Student teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

PET 3941 ED-CFCS 3(0,16) Internship II: PR: Senior standing. EDG 4323. Satisfactory completion of the portfolio. Internship assignment under a certified physical education teacher. Fall in elementary, half in secondary. 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 "adventure activity curriculum," camping, water activities, fishing, orienteering, and hiking. Occasional.

PET 4050C ED-CFCS 3(2,1) Motor Development and Learning: PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall, Spring.

PET 4083 ED-CFCS 3(3,0) Personal Training Methods: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4550, PET 4312 (all required); or C.I. An in-depth study into personal 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 4215 ED-CFCS 3(3,0) Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. Fall, Spring.

PET 4312 ED-CFCS 3(2,1) Biomechanics: PR: Anatomy. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall.

PET 4315C HPA-HP 3(2,2) Biomechanics of Sport: PR: PHY 2053C or PHY 2040C & L. Application and recognition of physiological and mechanical aspects of sports and injuries. Spring.

PET 4351C ED-CFCS 3(2,1) Applied Exercise and Human Physiology: PR: ZOO 3733C, ZOO 3736C or appropriate human anatomy course. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to physical education and sport. Fall, Spring.

PET 4401 ED-CFCS 3(3,0) Administration and Evaluation in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Addressing administrative, measurement and evaluation aspects of Sport and Fitness programs. Fall, Spring.

PET 4550 ED-CFCS 3(2,1) Fitness Assessment and Exercise Prescription: PR: ZOO 3736C or C.I. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Occasional.

PET 4603C HPA-HP 3(2,2) Introduction to Athletic Training: PR: Athletic Training majors or C.I. Basic athletic training skills including emergency care, taping, wrapping, goniometry, and manual muscle testing. Occasional. M&S Fee: $33.50.

PET 4606 HPA-HP 3(3,0) Applied Fitness in Sport: PR: ZOO 3733C or ZOO 3736C and PCB 3703C. Junior standing; Open to all COHPA majors. Appreciation and clinical application of fitness related knowledge. Fall, Spring.

PET 4624C HPA-HP 3(2,2) Recognition and Evaluation of Athletic Injuries II: PR: PET 3620. Recognition and evaluation skills required to perform an injury/intrussion assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

PET 4625 ED-CFCS 3(3,0) Human Injuries: Mechanisms & Prevention: PR: Admission to Sport and Fitness program, PET 2622C and ZOO 3736C, PET 4312 (all required); or C.I. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. Fall, Spring.


PET 4632C HPA-HP 3(2,2) Therapeutic Modalities in Athletic Training: PR: PET 4624C. Principles and techniques for applying therapeutic modalities. Occasional.

PET 4636C HPA-HP 3(1,2) Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. PET 4630C or C.I. Advanced knowledge, skills, and techniques that the certi- fied athletic trainer must perform during rehabilitation of injuries. Fall.

PET 4640 ED-CFCS 3(3,0) Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

PET 4660C HPA-HP 3(3,0) Organization and Administration of Athletic Training: PR: PET 3671L. Administrative knowledge in the athletic training profession. Fall.

PET 4672L HPA-HP 4(0,16) Practicum in Athletic Training III: PR: PET 3671L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

PET 4673L HPA-HP 4(0,16) Practicum in Athletic Training IV: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.


PET 4710 ED-CFCS 3(3,0) Methods for Physical Activity for Children and Adolescents: PR: Admission to the College of Education and/or Sport and Fitness program, or C.I. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. Fall, Spring.

PET 4724 ED-CFCS 3(3,0) Development and History of Physical Education Curriculum: A study of the factors involved in curriculum development and historical and philosophical considerations of physical education programs. Occasional.

PET 4763 ED-CFCS 3(3,0) Coaching Methods and Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods and coaching strategies with emphasis given to conditioning and leadership styles. Occasional.

PET 4823C ED-CFCS 3(2,1) Teaching Sports Skills II: PR: PET 3820. Skill proficiency and knowledge to plan, implement and evaluate sports skills. Odd Fall, Even Spring.

PET 4925 ED-CFCS 6(0,16) Sport and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 1/3 of the Sport and Fitness program requirements. Field experience in a sport and fitness related organization. Graded S/U. Fall, Spring.

PET 4926 ED-CFCS 12(0,35) Sport and Fitness Practicum II: PR: Sport and Fitness Practicum I and odd Fall, even Spring. Field experience in a sport and fitness related organization, association, or business. Graded S/U. Fall, Spring.

PET 4943 ED-CFCS 12(0,35) Internship II: PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded S/U. May be repeated for credit. Occasional.

PET 4945 ED-CFCS 12(0,35) Internship III: PR: Must have completed course work in specialization. Satisfactory completion of portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Occasional.

PET 5216 ED-CFCS 3(3,0) Motivational Aspects of Coaching: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental rehearsal, motivation, effort, persistence, adherence and compliance, measurement and evaluation, and other related topics of interest. Occasional.

PET 5355 ED-CFCS 3(3,0) Exercise and Health: PR: Admission to master's program or certificate program. Will provide educators an in-depth understanding of energy pathways, neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. Occasional.

PET 5495 ED-CFCS 3(3,0) Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching ethics, leadership in school, business, and developing philosophy, values, and moral reasoning skills. Occasional.

PET 5635 ED-CFCS 3(3,0) Advanced Human Injuries: PR: PET 2622C or C.I. The application of medical knowledge to sport with the emphasis on preserving the health of an athlete before, during and after performance. Occasional.

PET 5931 ED-CFCS 3(3,0) Current Issues and Trends in Physical Education and Sport: PR: Admission to the Physical Education graduate program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. Occasional.

PGY 2401C CAH-ART 3(3,2) Beginning Photography: PR: ART 2201C, ART 2300C or C.I. Introduction to photography with an art emphasis. Fall & M&S fee: $45.00

PGY 3002 CAH-ART 3(3,0) Contemporary Photography: PR: PGY 2401C or C.I. Layer 20th and 21st century (1970’s-present) contemporary movements in photography, special emphasis on ideas and issues relative to contemporary image making. Occasional.

PGY 3205C CAH-ART 3(2,4) Photographic Lighting Techniques: PR: PGY 2107, PGY 2215 or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee: $45.00

PGY 3276 CAH-ART 3(3,0) The Professional Environment: PR: PGY 3002 or C.I. Concepts necessary for operation of a photography studio. Includes legal, ethical issues; marketing, self-promotion strategies; funding opportunities; professional development; and professional presentation. Occasional.


PGY 3451C CAH-ART 3(2,4) Alternative Processes: PR: PGY 4472C or C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. Occasional. M&S fee: $45.00

PGY 3480 CAH-ART 3(3,0) Museum and Gallery Practices: PR: PGY 3002. Contemporary Photography. The museum and gallery environment focusing on the acquisition and display of photographic collections and curatorial functions. The course includes a service learning component. Occasional.

PGY 3610C COS-COMM 3(1,4) Photojournalism I: PR: Journalism majors only. Black and white shooting and processing, dark room and computer-based newspaper assignments. 25mm SLR camera with manual mode required. Fall. Spring. M&S fee: $45.00

PGY 3620C COS-COMM 3(1,2) Photojournalism II: PR: PGY 3610C. The Picture Story. Individual and group projects for extended documentary coverage. Occasional. M&S fee: $45.00

PGY 3630 COS-COMM 3(3,0) Photojournalism III: PR: PGY 3620C. Photography Editing. Assignment selection, picture and copy editing, cropping, picture desk management, and ethics of photojournalism, and the new technological advances. Occasional. M&S fee: $11.00

PGY 3651C CAH-ART 3(2,4) Narrative Editorial Photography: PR: PGY 2656. Editorial Photography or C.I. explores photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. Fall. M&S fee: $45.00

PGY 3653C CAH-ART 3(2,4) Advanced Editorial Photography: PR: PGY 3651C. Exploration of imagery created to illustrate articles, including stilllife, portrait, documentary, and/or fashion photography. Emphasis on the creation of multiple or consecutive images. Spring. M&S fee: $45.00

PGY 3703C CAH-ART 3(2,4) Photography and Web Design: PR: PGY 3821C or C.I. Examination of the potential for professional output solutions for the photographer such as an interface, large format printing, and film recorder. Occasional. M&S fee: $45.00

PGY 3751C CAH-ART 3(2,4) Videography: PR: PGY 3021C or C.I. Creation of video narratives using the digital environment. Occasional.

PGY 3821C CAH-ART 3(2,4) Advanced Digital Photography: PR: PGY 2410C or C.I. Current digital imaging software and its application to contemporary work. Occasional. M&S fee: $45.00

PGY 4003 CAH-ART 3(3,0) Image, Culture, and Society: PR: PGY 3002 or C.I. The role of the media and media imagery in culture and society. Occasional.

PGY 4228C CAH-ART 3(2,4) Advanced Illustrative Photography: PR: PGY 3025C or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&S fee: $45.00

PGY 4235C CAH-ART 3(2,4) Professional Photographic Workshop: PR: PGY 3025C. Creative, logical, and technical processes as related to a variety of special lighting problems in the photographic studio and on location. Occasional. M&S fee: $45.00

PGY 4420C CAH-ART 3(2,3) Advanced Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2410C, and a satisfactory portfolio review or C.I. Or, admission to the Photography Program. Advanced photography skills and portfolio development. Designed for art majors. May be repeated for credit. Fall, Spring. M&S fee: $45.00


PGY 4471 CAH-ART 3(3,0) Photography Thesis: PR: PGY 3276. The Professional Environment becomes a co-requisite. Course has been shifted from the senior fall semester to the senior spring semester which is the same term this course is offered. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional. M&S fee: $45.00

PGY 4472C CAH-ART 3(2,1) Photo Visualization: PR: PGY 2655, PGY 2216 or C.I. Analysis of visual problems with an emphasis on communicating and applying a theoretical language to photographic imagery. Occasional. M&S fee: $45.00

PGY 4493C CAH-ART 3(2,4) Photography and Art: PR: PGY 4472C, or PGY 3022, or C.I. Creation of photographs related to the expression of personal, aesthetic, and theoretical issues and ideas found in historical and contemporary imagery. Occasional. M&S fee: $45.00

PGY 5108C CAH-ART 3(2,4) Advanced Techniques and Concepts in Photography: PR: PGY 2410C, PGY 3410C and PGY 4420C, or admission into MFA graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times. Occasional. M&S fee: $45.00

PHH 3100 CAH-PHIL 3(3,0) Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. Occasional.

PHH 3200 CAH-PHIL 3(3,0) Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish and Christian philosophy as expressed in its main problems and representative thinkers. Occasional.

PHH 3460 CAH-PHIL 3(3,0) Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.

PHH 3510 CAH-PHIL 3(3,0) Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important ideas in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting standpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance. Occasional.

PHH 3600 CAH-PHIL 3(3,0) Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, phenomenology, post-structuralism, and liberation philosophies. Occasional.

PHH 3700 CAH-PHIL 3(3,0) American Philosophy: PR: PHI 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. Even Spring.

PHH 3701 CAH-PHIL 3(3,0) Native American Philosophy: PR: PHI 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHI 2010 CAH-PHIL 3(3,0) Introduction to Philosophy: PR: PHI 2010 or C.I. The role of inconsistency, infinite regress arguments, modeling, and system building, discovery procedures, dialeqonization, and contract and paradigm case arguments. Occasional.


PHI 2101 CAH-PHIL 3(3,0) Formal Logic I: A study of sentence and predicate logics, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. Occasional.

PHI 2108 CAH-PHIL 3(3,0) Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHI 2630 CAH-PHIL 3(3,0) Ethics: An examination of the nature of moral problems, judgments and principles, with an emphasis on recent formulations in ethical theory. Occasional.

PHI 2647 CAH-PHIL 3(3,0) Logic and Ethics: PR: PHI 2101 or COT 3100C or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics. Occasional.

PHI 3022 CAH-PHIL 3(3,0) Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHM 3123, or C.I. Examines the contributions of poststructuralist and neo-psychoanalytical theories to cultural issues in sexuality and gender. Even Spring.
PHI 5328 CAH-PHIL 3(3,0)
Philosophies of Embodiment: PR: Admission to graduate certificate program 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 program in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0)

PHI 5627 CAH-PHIL 3(3,0)
Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. Fall.

PHI 5634 CAH-PHIL 3(3,0)
Medical Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine; health care delivery and medical research. Fall.

PHI 5665 CAH-PHIL 3(3,0)
Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4633, or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5685 CAH-PHIL 3(3,0)
Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. Occasional.

PHM 3020 CAH-PHIL 3(3,0)
Philosophy of Love: PR: Junior standing and PHI 2010, or a critical investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. Spring.

PHM 3100 CAH-PHIL 3(3,0)
Freedom and Justice: PR: Junior standing or PHI 2010 or C.I. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state; includes topics such as freedom, equality, and justice. Occasional.

PHM 3123 CAH-PHIL 3(3,0)

PHM 3041 CAH-PHIL 3(3,0)
Philosophy of Law: PR: PHI 2010, PHI 2620, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.

PHM 4031 CAH-PHIL 3(3,0)
Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHM 5035 CAH-PHIL 3(3,0)
Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHP 3781 CAH-PHIL 3(3,0)
Graduate Courses and Descriptions

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PHT 5218L - HPA-HP 1(0.2) Theories and Procedures Lab I: PR: CR Theories and Procedures I. Lab course on the clinical applications of heat, light, cold, water, sound, and massage. Fall, Spring. M&S fee: $15.00.

PHT 5240 - HPA-HP 1(1.0) Physical Assessment: PR: Physical Assessment Lab. Extensive theory and practice in the examination of the patient, incorporating a systems approach, utilizing screening, and patient problem solving. Fall.

PHT 5240L - HPA-HP 2(0.4) Physical Assessment Lab: PR: CR Physical Assessment Lab. Course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee: $25.00.


PHT 5241L - HPA-HP 2(0.4) Therapeutic Exercise Lab I: PR: CR Therapeutic Exercise I. Lab course emphasizing therapeutic exercises skills for the treatment of patients with musculoskeletal dysfunction. Spring. M&S fee: $15.00.

PHT 5260 - HPA-HP 2(2.0) Patient Care Skills: CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training. Fall.

PHT 5260L - HPA-HP 1(0.2) Patient Care Skills Lab: CR: Patient Care Skills Lab. Skills of patient care, transfers, mobility skills. Fall. M&S fee: $25.00.


PHT 5718L - HPA-HP 1(0.2) Neurological Physical Therapy Lab: PR: CR Neurological Physical Therapy Lab. Course emphasizing the clinical application of selected neuromotor theories. Occasional. M&S fee: $15.00.


PHY 2048C - COS-PHYS 4(3.3) Physics for Engineers & Scientists I: PR: MAC 2311 or equivalent. Mechanics, Thermodynamics, Fluids. Fall, Spring. M&S fee: $15.00.

PHY 2048H - COS-PHYS 3(3.0) Honors Physics for Engineers and Scientists I: PR: Permission of Honors and MAC 2311 or equivalent. Same as PHY 2048C with honors-level content. Occasional.

PHY 2049H - COS-PHYS 3(3.0) Honors Physics Laboratory for Engineers and Scientists II: PR: PHY 2049H and permission of Honors. Laboratory experiments covering selected topics in physics related to PHY 2049H. Occasional.

PHY 2049H - COS-PHYS 3(3.0) Honors Physics for Engineers and Scientists II: PR: Permission of Honors and PHY 2049C, MAC 2312. Same as PHY 2049C with honors-level content. Occasional.

PHY 2053C - COS-PHYS 4(3.3) College Physics: I: PR: MAC 1105 and MAC 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. Fall, Spring. M&S fee: $15.00.


PHY 2054C - COS-PHYS 4(3.3) College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall, Spring. M&S fee: $15.00.


PHY 2090 - COS-PHYS 0(0.15) Physics Today: CR: PHY 2048C or PHY 2049C. Fundamental physics principles behind recent developments in physics research will be presented in a seminar format. May be repeated. Occasional.

PHY 3101 - COS-PHYS 3(3.0) Physics for Engineers and Scientists III: PR: MAC 2313 and PHY 2049H or PHY 2049H. Thermodynamics, oscillations, modern physics. Fall, Spring.

PHY 3110H - COS-PHYS 3(3.0) Honors Physics for Engineers and Scientists III: PR: Permission of Honors and PHY 2049C or PHY 2049H. Same as PHY 3110H with honors-level content. Occasional.


PHY 3802L - COS-PHYS 1(1.0) Intermediate Physics Laboratory: CR: PHY 3101 or C.I. Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.

PHY 3809 - COS-PHYS 1(1.0) Frontiers in Physics Research: Colloquia and Public Talks: PR: PHY 3101 or C.I. Presentations of current research and major advances in physics. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

PHY 4234 - COS-PHYS 3(3.0) Electricity and Magnetism II: PR: PHY 3222. Dielectrics, magnetic materials, electromagnetic waves, reflection, complex impedance, static solutions to Laplace’s equation, radiation from an accelerated charge and antenna, special relativity. Spring.


PHY 4424L - COS-PHYS 3(3.0) Optical Physics Laboratory: A laboratory course on geometric optics, interference, diffraction, materials and modern optics. Occasional.

PHY 4445 - COS-PHYS 3(3.0) Lasers: PR: PHY 3101, MAP 2302, PHY 4424, or C.I. Principles of laser gain media, properties of resonators, and mode and description of specific laser systems. Occasional.


PHY 5015C - COS-PHYS 3(2.2) Physics for Teachers II: PR: Graduate status or senior standing or C.I.”Hands-on” lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. Occasional.

PHY 5100 - COS-PHYS 1(1.0) Topics in Contemporary Physics for Teachers: PR: Graduate status or senior standing or C.I. The study of recent findings in a selected area such as particle physics, surface physics, planetary atmospheres, lasers, geophysics, etc. May be repeated for credit. Occasional.

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 principles and related scientific and technological applications of ion-solid interactions. Even Spring.

PHY 5200C - COS-PHYS 10(0.5.1.5) Newtonian Mechanics for Teachers: PR: Graduate status or senior standing or C.I. A lab, lecture, demonstration course studying selected topics in classical mechanics. Occasional.

PHY 5300C - COS-PHYS 10(0.5.1.5) Electricity for Teachers: PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. Occasional.

PHY 5302C - COS-PHYS 10(0.5.1.5) Electromagnetism for Teachers: PR: Graduate status or senior standing or C.I. Gauss’ Law, Bid-Savart Law, Ampere’s Law, Faraday’s Law, Lenz’s law, motors, generators, AC circuits and Maxwell’s Equations. Occasional.

PHY 5346 - COS-PHYS 3(3.0) Electrodyamics I: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrodynamics and magnetostatics. Maxwell’s equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.

PHY 5401C - COS-PHYS 10(0.5.1.5) Optics for Teachers: PR: Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lasers. Occasional.

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.

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**PHY 5466C** COS-PHYS 10(5.1.5)
Wave Motion for Teachers: PR: Graduate status or senior standing, or C.I. Waves, sound, vibration and waves. Occasional.

**PHY 5500C** COS-PHYS 10(5.1.5)
Thermal Physics for Teachers: PR: Graduate status or senior standing or C.I. Engines, heat pumps, kinetic theory, phase change, radiation, weather. Occasional.

**PHY 5524** COS-PHYS 3(3.0)
Statistical Physics: PR: PHY 3513, STA 3022, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Occasional.

**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)

**PHY 5674** COS-PHYS 3(3.0)
Nanophysics: PR: PHY 3101, and graduate status or senior standing or C.I. Atoms or senior standing or C.I. Atomic binding, crystalline structure, diffraction and reciprocal lattice, lattice vibration, phonons, electrons in solids, energy bands, semiconductors. Occasional.

**PHY 4390** COS-PHYS 3(3.0)
Nuclear and Particle Physics: PR: PHY 4605 or C.I. The properties of nuclei and the fundamental particles and how the universe is built from particles. Occasional.

**PHY 4404** COS-PHYS 3(3.0)

**PHY 4434** COS-PHYS 3(3.0)
Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.

**PHY 5156** COS-PHYS 3(3.0)
Computational Physics: PR: PHY 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

**PHY 5304** COS-PHYS 3(3.0)
Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. Occasional.

**PHY 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 structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

**PHY 5425C** COS-PHYS 3(3.0)
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.

**PHY 5452** COS-PHYS 3(3.0)

**PHY 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.

**PHY 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.

**PHY 5600** COS-PHYS 1(1.0)
Special Relativity for Teachers: PR: Graduate status or senior standing or C.I. Length contraction, time dilation, simultaneity, conservation of mass-energy, conservation of momentum, Compton scattering. Occasional.

**PLA 3014** HPA-CJ/LS 3(3.0)
Law and the Legal System: 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 3018** HPA-CJ/LS 3(3.0)
Legal Research: PR: 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 3105** HPA-CJ/LS 3(3.0)
Legal Writing: PR: PLA 3018. 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-CJ/LS 3(3.0)
Civil Practice and Procedure: PR: 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 3205H** HPA-CJ/LS 3(3.0)
Civil practice and Procedure - Honors: PR: Graduate status or Honors and PLA 3014 or C.I. Same as PLA 3205 with honors level content. Occasional.

**PLA 3277** HPA-CJ/LS 3(3.0)
The Law of Torts: PR: 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-CJ/LS 3(3.0)
Civil Procedure: 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-CJ/LS 3(3.0)
Criminal Procedure: PR: PLA 3014 or C.I. Physical concepts and techniques 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-CJ/LS 3(3.0)
Property and Real Estate Law: PR: PLA 4910 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-CJ/LS 3(3.0)
Law and Society: 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-CJ/LS 3(3.0)
Advanced Trial Advocacy: PR: PLA 4910 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-CJ/LS 3(3.0)

**PLA 4263** HPA-CJ/LS 3(3.0)
Evidence: PR: PLA 3014 and 3011 or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

**PLA 4424** HPA-CJ/LS 3(3.0)
The Law of Contracts: Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

**PLA 4436** HPA-CJ/LS 3(3.0)
Florida Partnerships and Corporations: Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.

**PLA 4464** HPA-CJ/LS 3(3.0)
Bankruptcy Law: PR: C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

**PLA 4472** HPA-CJ/LS 3(3.0)
Employment Discrimination Law: PR: C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

**PLA 4485** HPA-CJ/LS 3(3.0)
Administrative Law: PR: PLA 3014 or PAD 3003. 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-CJ/LS 3(3.0)
Legal Issues of the Elderly: PR: PLA 3014. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.
PLA 4554 HPA-CJ/L 3(3,0) Environmental Law: PR: PLA 3014 and PLA 4485 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. Fall, Odd Fall, Odd Spring.


PLA 4583H HPA-CJ/L 3(3,0) Honors Cyber Law I: PR: Honors GPA completion or consent of The Burnett Honors College. Copyright, trademark, patent issues in cyberspace; online dispute resolution, privacy, and free speech topics. With Honors Content. Occasional.

PLA 4607 HPA-CJ/L 3(3,0) Estates and Trusts: PR: PLA 3014, PLA 3615. 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-CJ/L 3(3,0) Estate Administration: PR: PLA 4607. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703 HPA-CJ/L 3(3,0) Professional Ethics and Liability: PR: PLA 3014. Ethical responsibilities of professionals. Carons of legal ethics, liability for professional malpractice. Fall, Spring.


PLA 4734 HPA-CJ/L 3(3,0) Advanced Legal Applications Computer Software: PR: PLA 3024 or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today's law firms and law-related fields. Occasional.

PLA 4764 HPA-CJ/L 3(3,0) Law Office Practices: PR: PLA 3014. 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-CJ/L 3(3,0) Domestic Relations Law: PR: PLA 3014 and PLA 3615, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-CJ/L 3(3,0) Juvenile Law and Procedure: PR: PLA 3014 or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823 HPA-CJ/L 3(3,0) Sports Law: PR: PLA 3014 or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.


PLA 4825 HPA-CJ/L 3(3,0) Entertainment Law: PR: PLA 3014 or C.I. Introduction to the concept and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4826 HPA-CJ/L 3(3,0) Advanced Entertainment Law: PR: PLA 4825. Legal complexities and regulations pertaining to the Entertainment Industry at an advanced level. Occasional.

PLA 4830 HPA-CJ/L 3(3,0) World Legal Systems: PR: PLA 3014 or equivalent. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.


PLA 4910 HPA-CJ/L 3(3,0) Trial Advocacy: PR: PLA 3014, 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-CJ/L 3(3,0) Capstone: Legal Issues: PR: senior status, PLA 3155. Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal knowledge and skills and apply them to issues arising in commercial, educational, or governmental settings or in their employments or graduate education. Fall, Spring.

PLA 5587 HPA-CJ/L 3(3,1) Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

PLA 5937 HPA-CJ/L 3(1,2) Seminar in Contemporary Legal Problems: PR: C.I. Analysis of current trends in legislation and court decisions and their significance to American society. Occasional.

POR 1120C CAH-LANG 4(3,1) Intermediate Portuguese Language and Civilization I: PR: PLA 3014 or C.I. Continuation of POR 1120. Students will extend their vocabulary to five major language skills: listening, speaking, reading, writing, and cultural understanding. Open only to students with no previous experience in this language. Fall.

POR 1121C CAH-LANG 4(3,1) Elementary Portuguese Language and Civilization II: PR: POR 1120 or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. Spring.

POR 2200 CAH-LANG 3(3,0) Intermediate Portuguese I: PR: POR 1120C or C.I. Development of Portuguese language skills at the intermediate level. Fall, Spring.

POR 2201 CAH-LANG 3(3,0) Intermediate Portuguese II: PR: POR 2200 (Intermediate Portuguese I) or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 3140 CAH-LANG 3(3,0) Accelerated Portuguese for Speakers of Romance Languages: PR: FREN 2201 or ITA 2201, or SPN 2201, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.

POS 3122 COS-POLS 3(3,0) State Government and Public Policy: PR: POS 2041 or C.I. Comparative study of American state governments, political processes, and public policies, with emphasis on Florida. Occasional.

POS 3122H COS-POLS 3(3,0) Honors State Government and Public Policy: PR: POS 2041 or C.I. and permission of Honors. A comprehensive study of American state governments, political processes, and public policies, with emphasis on Florida. With Honors content. Occasional.

POS 3173 COS-POLS 3(3,0) Southern Politics: PR: POS 2041 or C.I. Study of Southern politics past and present. Emphasis on factors affecting changes in the region and the states. Southern and national relationships examined. Occasional.

POS 3182 COS-POLS 3(3,0) Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.

POS 3182H COS-POLS 3(3,0) Honors Florida Politics: PR: POS 2041 or C.I. and consent of Honors. Foundations of Florida government and political behavior, political institutions, and public policy. With Honors content. Occasional.

POS 3233 COS-POLS 3(3,0) Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

POS 3234 COS-POLS 3(3,0) Protest in American Politics: PR: POS 2041 or C.I. Connections between politics and protest in American politics including its impact on policy, and the implications of the generalization of protest for democracy. Occasional.

POS 3235 COS-POLS 3(3,0) Mass Media and Politics: PR: 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: 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: Theoretical and substantive inquiry into U.S. electoral systems; 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 responsibilities, leadership, and decision-making. Occasional.

POS 3424 COS-POLS 3(3,0) Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change; emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative processes. Fall.

POS 3443 COS-POLS 3(3,0) Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.
UCF Courses and Descriptions

POS 3463 COS-POLS 3(3,0)
Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.

POS 3627 COS-POLS 3(3,0)

POS 3703 COS-POLS 3(3,0)
Scope and Methods of Political Science: PR: Junior standing 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 SU. May be repeated. 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. Odd Fall.

POS 4142 COS-POLS 3(3,0)
Metropolitan Politics: 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: The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. Occasional.

POS 4246 COS-POLS 3(3,0)
Political Socialization: PR: POS 2041 or C.I. Analysis of recruitment and socialization processes. Identification of the agents and processes of political socialization in national and cross-cultural contexts. Occasional.

POS 4284 COS-POLS 3(3,0)
Judicial Process and Politics: Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. Fall, Odd Spring.

POS 4412 COS-POLS 3(3,0)
Presidential Campaigning: PR: C.I. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. Occasional.

POS 4603 COS-POLS 3(3,0)
American Constitutional Law: PR: POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy. Fall, Spring.

POS 4604 COS-POLS 3(3,0)
American Constitutional Law II: PR: POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4622 COS-POLS 3(3,0)
Political and Civil Rights: PR: Junior standing or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. Occasional.

POS 4742 COS-POLS 3(3,0)

POS 4941L COS-POLS 3(9,0-3,9)
Political Science Internship: PR: C.I. Internship work in the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit. Occasional.

POT 3204 COS-POLS 3(3,0)
American Political Thought: From its sources to the 20th century, including liberalism, puritanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Odd Fall.

POT 3302 COS-POLS 3(3,0)

POT 4003 COS-POLS 3(3,0)
Political Theory: PR: POS 2041 or C.I. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. Fall, Spring.

POT 4025 COS-POLS 3(3,0)
Ancient, Medieval and Early Modern Political Philosophy: Study of the development of political and social ideas in western thought from early Greece through the 17th century. Occasional.

POT 4054 COS-POLS 3(3,0)
Modern Political Philosophy: Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4045 (Ancient, Medieval and Early Modern Political Philosophy). Occasional.

POT 4066 COS-POLS 3(3,0)
Contemporary Political Philosophy: PR: Junior standing or C.I. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communitarianism, anarchism, libertarianism and feminist critiques of liberalism. Occasional.

POT 4109 COS-POLS 3(3,0)
Politics and Literature: PR: Junior standing. An examination of politics and the political process through the medium of literature. Occasional.

POT 4305 COS-POLS 3(3,0)
The State, Society, and the Individual: PR: Junior standing or C.I. The relationship between the state, society, and the individual; an examination of the works of major authors from Adam Smith to Robert Axelrod. Odd Fall.

POT 4314 COS-POLS 3(3,0)
Contemporary Democratic Theory: PR: POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory. Occasional.

POT 4331 COS-POLS 3(3,0)
Utopia/Dystopia: PR: POS 2041 or C.I. Examines political issues, such as justice, economic distribution and social organization by exploring both classical and contemporary utopias and dystopias. Occasional.

POT 4345 COS-POLS 3(3,0)
Pan-Africanist Thought: PR: INR 2002. Philosophical assumptions, theoretical frameworks, ideological orientations and social/political thinkers that have contributed to the tradition of Pan-Africanist thought. Occasional.

POT 4414 COS-POLS 3(3,0)
Marxist Political Theory: Survey of Marx & Engels and other thinkers, examining the theoretical underpinnings of nations and groups that have adapted Marxist principles for governance. Occasional.

POT 4632 COS-POLS 3(3,0)

PPE 3003 COS-PSCYCH 3(3,0)
Personality Theory: PR: PSY 2012. A survey of theoretical research on the development of personality characteristics. Fall, Spring.

PPE 3003H COS-PSCYCH 3(3,0)

PPE 5055 COS-PSCYCH 3(3,0)
Personality Theories: PR: Graduate status or senior standing or C.I. Critical theoretical models of personality development with applications to counseling, psychotherapy and psychological assessment. Occasional.

PSB 3002 COS-PSCYCH 3(3,0)

PSB 4103C COS-PSCYCH 3(2,2)

PSB 4240C COS-PSCYCH 4(3,2)

PSB 4422 COS-PSCYCH 3(2,2)

PSB 5005 COS-PSCYCH 3(3,0)
Physiological Psychology: PR: PSY 3002 and graduate status or senior standing or C.I. An advanced survey of the physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Occasional.

PSC 1121 COS-PHYS 3(3,0)
Physical Science: PR: High school algebra or MAC 1105. Fundamental laws of mechanics, heat, waves, electricity, magnetism; chemical processes and solutions, properties of gases, liquids, solids, solutions. Fall, Spring. M&S fee: $2.20

PSC 1121H COS-PHYS 3(3,0)
Honors Physical Science: PR: Permission of Honors and MAC 1105 or MAC 1106. PSC 1121 with Honors-level content. Occasional.

PSC 1121L COS-PHYS 1(0,2)
Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity, magnetism, chemical and physical transformations. Fall, Spring. M&S fee: $3.00

PSC 1801 COS-PHYS 3(3,0)
PSY 2012 COS-PSYCH 3(3,0) 
General Psychology: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Fall, Spring.

PSY 2012H COS-PSYCH 3(3,0) 
Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall, Spring.

PSY 2023 COS-PSYCH 1(1,0) 

PSY 302C COS-PSYCH 3(1,8) 

PSY 3028 COS-PSYCH 3(3,0) 
Psychology of Career Development: PR: PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision-making. Examination of career development in psychology including educational entry requirements and related issues. Occasional.

PSY 3204C COS-PSYCH 4(3,2) 
Survey Methods in Psychology: PR: PSY 2012; or CR: STA 2014C or STA 2023; or C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. Occasional.

PSY 3204H COS-PSYCH 4(3,1) 
Honors Statistical Methods in Psychology: PR: STA 2014C or STA 2023 and consent of Honors. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. With Honors content. Occasional.

PSY 3213C COS-PSYCH 5(3,2) 
Research Methods in Psychology: PR: PSY 2012, PSY 3204C, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&S fee: $20.00

PSY 3213H COS-PSYCH 5(3,2) 
Honors Research Methods in Psychology: PR: PSY 2012, PSY 3204C and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. Occasional.

PSY 3302 COS-PSYCH 3(0,0) 

PSY 3320C COS-PSYCH 3(2,2) 

PSY 3624 COS-PSYCH 3(3,0) 

PSY 3630 COS-PSYCH 3(3,0) 

PSY 3703 COS-PSYCH 3(3,0) 
Psychology of Language: PR: PSY 2012 or C.I. Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.
PUR 4801  COS-COMM  3(3,0)  
Public Relations Case Studies: PR: AD/PR majors only and 4000 or C.I.; I: Methodology and analysis of public relations cases highlighting the application of PR theory to advance organizational goals. Fall, Spring.

RAT 3001  HPA-HP  3(3,0)  

RAT 3241  HPA-HP  3(3,0)  

RAT 3242  HPA-HP  2(2,0)  
Oncologic Pathology: PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. Occasional.

RAT 3614  HPA-HP  2(2,0)  

RAT 4247  HPA-HP  3(3,0)  
Radiation Oncology I: Methods of radiation therapy treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. Occasional.

RAT 4248  HPA-HP  3(3,0)  
Radiation Oncology II: Methods of treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. Occasional.

RAT 4618C  HPA-HP  4(3,3)  
Clinical Education III: PR: RAT 4814L. Continued supervised clinical practice in patient care, education, simulation, treatment planning and delivery procedures. Fall, Spring.

RED 3012  ED-TLP  3(3,0)  
Basic Foundations of Reading: PR: Junior standing or C.I.; Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.

RED 4043  ED-TLP  3(3,0)  
Content Reading in Kindergarten through Grade 3: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum: Principles, strategies, assessment, and promising practices. Fall, Spring.

RED 4311  ED-CFCS  3(3,0)  
Primary Reading, Writing, and Language Arts Curriculum and Assessment: PR: RED 3612 and RED 3310; CR: EEC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. Fall.

RED 4519  ED-TLP  3(3,1)  

RED 4942  ED-TLP  3(3,0)  
Practicum for Assessment and Instruction of Reading: PR: RED 4519. CR: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RED 5147  ED-TLP  3(3,0)  

RED 5517  ED-TLP  3(3,1)  
Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5417 or equivalent. Classroom diagnosis and corrective teaching in reading; instructional materials. Case study required. Even Fall, Spring.

RED 5948  ED-TLP  3(3,0)  
Practicum in Reading Assessment and Instruction: PR: RED 5517. Practicum that requires application of assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. Fall, Spring.

REE 3043  BA-FIN  3(3,0)  
Fundamentals of Real Estate: PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. Fall, Spring.

REE 3433  BA-FIN  3(3,0)  
Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.

REE 3614  BA-FIN  3(3,0)  
Environmental Issues for Real Estate: PR: REE 3043, 3502. 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.

REE 4103  BA-FIN  3(3,0)  

REE 4203  BA-FIN  3(3,0)  
Commercial Real Estate Finance: PR: FIN 3403C; open to majors or minors who require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204  BA-FIN  3(3,0)  
Residential Real Estate Finance: PR: FIN 3403C; open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.

REE 4303  BA-FIN  3(3,0)  
Real Estate Investment Analysis: PR: FIN 3403C. The real estate development process, from the inception of a project through lease-up, long-term financing, and final sale to the investment community. Fall.

REE 4732  BA-FIN  3(3,0)  
Real Estate Development: PR: FIN 3403C. The real estate development process, from the inception of a project through lease-up, long-term financing, and final sale to the investment community. Fall.

REE 4933  BA-FIN  3(3,0)  
Advanced Topics in Real Estate: PR: REE 3433 and REE 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. Occasional.

REL 2300  CAH-PHIL  3(3,0)  
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.

REL 2300H  CAH-PHIL  3(3,0)  

REL 3111  CAH-PHIL  3(3,0)  
Religion and Philosophy Through Film: PR: ENC 2130 or equivalent and either PH 2200 or LRC 2200. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.

REL 3115  CAH-PHIL  3(3,0)  

REL 3131  CAH-PHIL  3(3,0)  

REL 3340  CAH-PHIL  3(3,0)  
Buddhist Thought: PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. Odd Fall, Spring.

REL 3432  CAH-PHIL  3(3,0)  
Roots of Western Mysticism: PR: HUM 3433, HUM 3435, HUM 3552, HUM 4303, HUM 4542, PHH 3100, or PHH 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

REL 4110  CAH-PHIL  3(3,0)  
Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.

REL 4180  CAH-PHIL  3(3,0)  
Religion and Medicine: PR: Junior standing and REL 2300 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. Occasional.

REL 4180H  CAH-PHIL  3(3,0)  

REL 4901  CAH-PHIL  1(0)  
Portfolio: PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student's best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. Occasional.
REL 4910 CAH-PHIL  3(3,0)
Senior Research Seminar: PR: Senior standing and Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. Occasional.

RET 3026C HPA-HP  4(3,3)
Introduction to Respiratory Care.: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. Fall. M&S fee: $45.00

RET 3269C HPA-HP  4(3,3)
Mechanical 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 3494C HPA-HP  4(3,3)
Cardiopulmonary Physiology: PR: PCB 3703C. Normal ventilation, lung function, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. Fall. M&S fee: $18.00

RET 3717C HPA-HP  3(3,0)
Pediatric Respiratory Care: PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic diseases, and AIDS. Spring.

RET 3884L HPA-HP  5(0,16)

RET 3885L HPA-HP  8(0,24)
Clinical Practice II: PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. Fall.

RET 4034 HPA-HP  3(3,0)

RET 4246 HPA-HP  3(3,0)

RET 4287 HPA-HP  3(3,0)
Cardiopulmonary Diagnostics I: PR: RET 4246. Noninvasive 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, stent-kinase usage, and heart surgery. Spring.

RET 4441 HPA-HP  4(3,3)
Vascular Ultrasound: Study of application of ultrasound in the diagnosis of vascular diseases. Includes Doppler and color flow Doppler examination of arterial and venous systems. Occasional.

RET 4443 HPA-HP  4(3,3)
Advanced Cardiac Ultrasound: PR: RET 4247 or C.I. Study of advanced applications of ultrasound in the diagnosis of cardiac abnormalities. Two-dimensional echo, conventional Doppler, and color Doppler covered. Occasional.

RET 4465C HPA-HP  4(3,3)
Pulmonary Function Studies: PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. Occasional. M&S fee: $14.00

RET 4505 HPA-HP  3(3,0)
Chest Medicine: PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.

RET 4536 HPA-HP  3(3,0)
Cardiopulmonary Rehabilitation: PR: RET 3503C or RET 3848C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardipulmonary rehabilitation program. Spring.

RET 4715 HPA-HP  3(3,0)

RET 4886L HPA-HP  8(0,24)

RET 4934 HPA-HP  2(2,0)
Selected Topics in Respiratory Therapy: PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.

RET 5910 HPA-HP  3(3,0)
Research Methods in Cardiopulmonary Physiology: Introduction to methods used in research with emphasis on application of theory and methodology.

RTE 3111C HPA-HP  2(1.5,1.5)
Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiology. Fall.

RTE 3166 HPA-HP  3(3,0)
Advanced Patient Care: PR: RTE 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, ultrasonic and interventional procedures. Spring.

RTE 3308 HPA-HP  3(3,0)
Medical Physics: PR: RTE 3684C or C.I. Study of radiation protection, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. Occasional.

RTE 3418C HPA-HP  3(2.5,1.5)
Principles of Radiographic Exposure I: An introduction to the technical variables influencing radiographic and fluoroscopic image quality, including equipment considerations, prime exposure factors, image receptors, and accessory exposure devices. Fall. M&S fee: $39.00

RTE 3457C HPA-HP  3(2.5,1.5)

RTE 3503C HPA-HP  3(2,3)
Radiographic Procedures I: PR: Admission to the program. Provides fundamental knowledge of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, thoracic, and extremity and digital imaging. Fall.

RTE 3513C HPA-HP  3(2,3)
Radiographic Procedures II: PR: RTE 3503C or C.I. Continuation of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, thoracic, lower extremity, abdominal column, cranial, and facial bones. Fall.

RTE 3614 HPA-HP  2(0,2)
Physics of Image Production: PR: College Physics II. Physics of diagnostic radiology, including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. Fall.

RTE 3804L HPA-HP  2(0,8)
Clinical Education I: PR: Admission to Radiologic Sciences Major. Supervised clinical practice in radiologic procedures, radiation protection, patient care and equipment with emphasis on chest and abdomen procedures and patient care activities. Fall.

RTE 3814L HPA-HP  4(0,16)
Clinical Education II: PR: RTE 3804L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the GI tract, urinary tract, extremities and shoulder girdle. Spring.

RTE 4202 HPA-HP  3(3,0)
Methods in Radiology Management: Concepts of radiology, department management, including principles of personnel management, equipment, management, and legal aspects, and JC/AAH quality assurance specifications. Occasional.

RTE 4206 HPA-HP  3(3,0)
Leadership in Radiological Sciences: PR: Senior level status in RS major or C.I. Study of the theories, principles and skills needed to function in a leadership position in Radiologic Sciences. Spring.

RTE 4209 HPA-HP  2(0,8)
Radiological Administrative Practice: A directed practice in the management of a radiology department, with emphasis on research and theory of management. Occasional.

RTE 4385 HPA-HP  1(1,0)
Radiobiology: PR: RTE 3308. A study of the effects of ionizing radiation on biologic systems. The responses at the cellular and total organism level are investigated. Fall.

RTE 4473 HPA-HP  3(3,0)
Quality Improvement: PR: Registered technologist or senior standing. The study of quality improvement and quality control from the perspective of radiology services. Spring.

RTE 4563 HPA-HP  2(2,0)
Special Radiographic Procedures: PR: RTE 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. Occasional.

RTE 4573 HPA-HP  3(3,0)
Advanced Imaging Modalities: PR: RTE 3503 or C.I. A study of the physical principles and applications of computed tomography, digital imaging, interventional radiology, mammography, ultrasonic, magnetic resonance imaging, and nuclear medicine. Fall.

RTE 4574 HPA-HP  1(1,0)
Computed Tomography Protocols: PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multidetector row computed tomography acquisition. Fall.

RTE 4579 HPA-HP  1(1,0)
Magnetic Resonance Imaging Protocols: PR: Senior level status in Radiologic Sciences Program. Provides overview of imaging protocols used for specific MRI procedures. Content includes patient screening, patient positioning, coil and accessory device selection and use. Fall.

RTE 4762 HPA-HP  3(3,0)
Anatomy for the Medical Imagist: PR: ZOO 3733C and PCB 3703C. A study of the normal anatomical structures and interrelationships of structures as demonstrated in a radiologic and cross-sectional imaging reference. Fall.
RUS 3760 CAH-LANG 3(3,0)

SCC 3311 HPA-CJ/LS 3(3,0)
Security Administration: Discussion of modern security theories, intervention and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

SCC 3314 HPA-CJ/LS 3(3,0)

SCC 3316 HPA-CJ/LS 3(3,0)
Special Security Problems: Review and application of basic security principles to retail security, transportation/cargo security, utility security, computer security, and other special security situations. Occasional.

SCE 4304 ED-CFCS 4(3,2)
Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum. Fall, Spring. M.S. fee: $10.00

SCE 4361 ED-TLP 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. Spring.

SCE 5325 ED-TLP 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 5-9 including interdisciplinary teaming, technology use, ESL, and inquiry in science. Occasional.

SCE 5337 ED-TLP 3(3,0)
Issues and Methods in Secondary School Science Education: PR: EDG 6236 or C.I. Secondary school science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.

SCE 5836 ED-TLP 3(3,0)
Space Science for Educators: PR: Senior standing or C.I. Introduction to space science, manned space flight, and space education curriculum. Occasional.

SLS 1501 ED-ES 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 2261C ED-ES 2(2,1)
Student Organization Leadership: Application of leadership and organizational development paradigms, theories, and approaches for emerging and established student leaders. Occasional.

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.
SOW 4673 HPA-SOWK 3(3,0) Social Work Practice: The Gay and Lesbian Experience: PR: SOW 3104 or C.I. Sexual orientation and cultural diversity, policies and resources affecting gay & lesbian people, community based therapeutic and preven-
tive interventions with gay & lesbian clients. Even Spring.

SOW 4705 HPA-SOWK 3(3,0) Prevention and Treatment of Adolescent Substance Abuse: PR: SOW 3104 or C.I. An in-depth review of prevention, intervention, and treatment, recovery and relapse issues and public policies regarding adoles-
cents with substance abuse problems. Even Fall, Spring.

SOW 4706 HPA-SOWK 3(3,0) Intervention with Substance Abusers: PR: Junior standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.

SOW 4730 HPA-SOWK 3(3,0) Documentation in Social Work Practice: PR: SOW 40 and SOW 5352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 4754 HPA-SOWK 3(3,0) Forensic Social Work Theory and Practice: PR: SOW 3035 or C.I. The role of social workers within the courts and criminal justice system. Occasional.

SOW 5105 HPA-SOWK 3(3,0) Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.

SOW 5106 HPA-SOWK 3(3,0) Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5132 HPA-SOWK 3(3,0) Diverse Client Populations: Study of human differ-
sity, focusing on the needs, resources, problems, and service issues of several identified minority client popula-
tions. Spring.

SOW 5235 HPA-SOWK 3(3,0) Social Welfare Policies and Services: Study of societal responses to human needs, forces shaping social welfare systems, introduction to frameworks for analyzing social policies and services. Fall.

SOW 5305 HPA-SOWK 3(3,0) Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills, the use of a generalist model of practice. Fall.

SOW 5306 HPA-SOWK 3(3,0) Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5355 HPA-SOWK 3(3,0) Studies in Social Work Practice: PR: C.I. Analysis of one or more urban practice issues and approaches. May be repeated for credit. Occasional.

SOW 5387 HPA-SOWK 3(3,0) Nonprofit Resource Development: PR: Admission to certificate program or C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff develop-
ment, grant funding, fundraising, marketing, and govern-
ment contract development and management. Occasional.

SOW 5404 HPA-SOWK 3(3,0) Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. Fall.

SOW 5432 HPA-SOWK 3(3,0) Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measures; applications to individuals, families, groups, programs, communities. Occasional.

SOW 5532 HPA-SOWK 2(2,0) Generalist Field Education I: PR: Admission to MSW program. Supervised practice of social work in an agency for 224 clock hours. Graded S/U. Fall, Even Spring.

SOW 5533 HPA-SOWK 2(2,0) Generalist Field Education II: PR: MSW. Continuation of SOW 5532 Generalist Field Education I in the same field agency for 224 clock hours. Graded S/U. Odd Fall, Spring.

SOW 5534 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: SOW 5532. Seminar designed to facilitate student integration of generalist social work practice and theory while strengthen-

SOW 5538 HPA-SOWK 3(3,0) Full-Time MSW Generalist Field Education and Seminar I: PR: Graduate standing or C.I.; CR: SOW 5505. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Occasional.

SOW 5539 HPA-SOWK 3(3,0) Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded S/U. Occasional.

SOW 5546 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar II: PR: Admission to MSW program. CR: Generalist Field Education I. Continuation of generalist field education integrative seminar 1 to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Spring.


SOW 5566 HPA-SOWK 2(2,0) Part-Time MSW Generalist Field Education and Seminar II: PR: SOW 5565; CR: SOW 5306. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 140 clock hours. Graded S/U. Occasional.

SOW 5624 HPA-SOWK 3(3,0) Social Work Practice in Mexican Culture: PR: C.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. Occasional.

SOW 5625 HPA-SOWK 3(3,0) Social Work with Women: Alternative approaches to the treatment of women in the urban setting. Occasional.

SOW 5642 HPA-SOWK 3(3,0) Aging In Social Situations: PR: Admission to MSW program or Gerontology certificate program or C.I. Knowledge about elderly in social situations or environmen-
tal context. Occasional.


SOW 5662 HPA-SOWK 3(3,0) Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating ser-
vices to people with problems which affect job performance. Occasional.

SPA 3002 HPA-COM SCADIS 3(3,0) Introduction to Communication Disorders: PR: PSY 2012 or SYG 2000. Etiology, symptoms, and meth-
ods of diagnosing and treating communication disorders. For beginning and prospective majors in Communication Sciences and Disorders. Occasional.

SPA 3011 HPA-COM SCADIS 3(3,0) Speech Science I: Production: PR: SPA 3312. CR: SPA 3311L. Study of speech, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011L HPA-COM SCADIS 1(0,1) Speech Production lab: PR: SPA 3312. CR: SPA 3311L. Physiological and acoustic measurement of speech production Graded S/U. Fall, Spring.

SPA 3101 HPA-COM SCADIS 3(3,0) Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

SPA 3104 HPA-COM SCADIS 3(3,0) Neural Bases of Communication: PR: or CR: SPA 3471. Structures and functions of the nervous system involved in communication and its disorders. Fall, Spring.

SPA 3112 HPA-COM SCADIS 3(3,0) Basic Phonetics: CR: SPA 3112L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. Fall.

SPA 3112L HPA-COM SCADIS 1(0,1) Basic Phonetics Lab: CR: SPA 3112L. Practice in transcription of normal and deviant speech samples. Graded S/U. Fall, Spring.

SPA 3123 HPA-COM SCADIS 3(3,0) Speech Science II: Perception: PR: SPA 3312. CR: SPA 3112L. How the perception of human speech differs from that of other auditory signals. Fall, Spring.

SPA 3123L HPA-COM SCADIS 1(0,1) Speech Perception Lab: CR: SPA 3123L. Laboratory techniques used in investigating human speech perception. Graded S/U. Fall, Spring.

SPA 3412 HPA-COM SCADIS 3(3,0) Brain Stories: A Communication Disorders Perspective: PR: SPA 3471 (may be taken as a prereq-
uire for PSY 2012 or C.I. A case study approach to commu-
native-cognitive disorders due to brain injury. Fall, Spring.

SPA 3471 HPA-COM SCADIS 3(3,0) Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of com-
munication disorders in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as well as society's perceptions of individuals with commu-
nication disorders. Fall, Spring.

SPA 3472 HPA-COM SCADIS 3(3,0) Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social/ emotional and behavioral difficulties of children with commu-
nication disorders; positive child guidance and behav-
ioral management strategies for clinicians and parents. Fall, Spring.

SPA 3632 HPA-COM SCADIS 3(3,0) Communication Disorders in the Deaf and Hard of Hearing Population.: PR: ASL 2510 or C.I. Speech, language, and hearing problems in the DeHH population, including etiology, pathology, and management of hearing disorders. Occasional.


SPA 4201 HPA-COM SCADIS 3(3,0) Articulation And Phonological Disorders: PR: SPA 3002, SPA 3112. The etiology, assessment, and management of articulation and phonological disorders, including those associated with structural variations and neuromotor disorders. Occasional. M&S fee: $15.00
SPA 4241 HPA-COM SC&DIS 3(3,0) Genetic Aspects of Communication Disorders: PR: BSC 6010C, Junior or senior standing. Theoretical framework for understanding human genetics and the genetic aspects of communication and feeding disorders. Spring.

SPA 4321 HPA-COM SC&DIS 3(3,0) Audiologic Rehabilitation: PR: SPA 3111, SPA 3123, principles and procedures in the use of residual hearing, auditory training, speech reading, and the use of hearing aids. Fall, Spring.


SPA 4476 HPA-COM SC&DIS 3(3,0) Speech Disorders Across the Lifespan: PR: SPA 3472, SPA 3201, and SPA 3312. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. Fall, Spring.

SPA 4478 HPA-COM SC&DIS 3(3,0) Multicultural Aspects of Communication Disorders: PR: LIN 3111. Understanding and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4501L HPA-COM SC&DIS 3(0,3) Undergraduate Clinical Practicum: PR: SPA 3140H, 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 SC&DIS 3(3,0) Counseling in Communication Disorders: PR: SPA 4550C or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.

SPA 4580 HPA-COM SC&DIS 3(3,0) Augmentative and Alternative Communication Systems: PR: LIN 3171 or C.I. The total integrated network of augmentative, assistive technologies, and skills involving individuals who are unable to use or replace adequate natural speaking ability. Occasional.

SPA 4634 HPA-COM SC&DIS 3(3,0) Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803 HPA-COM SC&DIS 3(3,0) Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2023. Concepts and techniques of research in Communication Sciences and Disorders and the student's consideration of the design, conduct, and analysis of clinical research. Fall, Spring.

SPA 4870C HPA-COM SC&DIS 3(2,1) Capstone Course: PR: PR or CR: All required CUS courses. Integration of essential topics in communication sciences and disorders through current content reviews and community experiences. Fall, Spring.

SPA 4948 HPA-COM SC&DIS 3(3,0) Community Internship: PR: SPA 4400 or SPA 4472 and senior standing. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.

SPA 5473 HPA-COM SC&DIS 3(3,0) Multicultural Aspects of Communication Disorders: PR: Junior or senior standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on Hispanic, Asian, and Native American cultures. Occasional.

SPA 5554 HPA-COM SC&DIS 3(3,0) Counseling in Communicative Disorders: PR: Senior status or C.I. Interviewing and counseling for individuals with communication disorders and their families. Spring.

SPA 5564 HPA-COM SC&DIS 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 the elderly. Occasional.

SPB 3003 BA-BUS 3(3,0) Introduction to Sport Business Management: PR: Admission to a major business. 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: SPA 3003. The ethics and moral issues in sport and their business implications focusing on the responsibilities of decision-makers in professional, collegiate, and Olympic sport. Occasional.


SPB 4104 BA-BUS 3(3,0) Intercollegiate Sport Industry: PR: SPA 3003. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision management. Occasional.

SPB 4204 BA-BUS 3(3,0) Professional Sport Industry: PR: SPA 3003. The structure, evolution and governance of professional sport management and a framework for sound business decision making. Occasional.

SPC 3513 COS-COMM 3(1,2) Argumentation and Debate: PR: SPA 1608 or C.I. Study of persuasive reasoning and rhetorical strategies. Preparing and delivering public speeches. Fall, Spring.


SPB 4704 BA-BUS 3(3,0) Sports Business Strategy: PR: SPA 3003. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.

SPC 4804 COS-COMM 3(3,0) Sports Event and Facility Management: PR: SPA 3003. The principles of facility and event management in sport business and their applications in professional, collegiate, and Olympic sport. Occasional.


SFM 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.


SFC 3301 COS-COMM 3(3,0) Interpersonal Communication: PR: 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, intercultural behavior, situational cues, verbal and non-verbal messages. Fall, Spring.

SFC 3425C COS-COMM 3(2,1) Contexts and Decision-Making: PR: 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. Fall, Spring.

SFC 3445C COS-COMM 3(3,0) Leadership Through Oral Communication: PR: or CR: COM 3120 and COM 3311 or C.I. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. Fall, Spring.

SFC 3515 COS-COMM 3(1,2) Argumentation and Debate: PR: SPA 1608 or C.I. Study of persuasive reasoning and rhetorical strategies. Preparing and delivering public speeches. Fall, Spring.

SFC 3602 COS-COMM 3(1,2) Advanced Public Speaking: PR: SPA 1608 or C.I. Advanced training in selecting and organizing materials for effective public speaking. Preparing and delivering public speeches. Fall, Spring.

SFC 4331 COS-COMM 3(3,0) Nonverbal Communication: PR: PR or CR: COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, paralanguage, and phraseology. Fall, Spring.

SFC 4426 COS-COMM 3(3,0) Group Dynamics: PR: PR or CR: COM 3311, or C.I. Human behavior in group situations. Fall, Even Spring.
### SPM 4723 ED-CFCS 3(3,0)
**Legal Issues in Sport and Fitness:** PR: Admission to Sport and Fitness Program or C.I. Examination of the legal issues and problems encountered by sport and fitness professionals. Fall, Spring.

### SPM 5155 ED-CFCS 3(3,0)
**Introduction to Sports Administration:** PR: C.I. This course will provide an overview of the sports industry, fundamentals of leadership administration and research theories as well as information on current issues are emphasized. Occasional.

### SPM 5308 ED-CFCS 3(3,0)
**Marketing and Promoting Sports and Fitness Programs:** PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

### SPM 5506 ED-CFCS 3(3,0)
**Financial Issues in Sports and Fitness:** PR: C.I. Examination of basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

### SPM 1120C CAH-LANG 4(3,1)
**Elementary Spanish Language and Civilization I:** PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors-level content. Occasional.

### SPM 1120H CAH-LANG 4(4,1)
**Honors Elementary Spanish Language and Civilization I:** PR: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. Fall, Spring.

### SPM 1121H CAH-LANG 4(4,1)
**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. Honors-level content. Occasional.

### SPM 1110CAH-LANG 8(16,10)
**Elementary Spanish Study Abroad:** Elementary Spanish language and civilization taught in the native environment. Occasional.

### SPM 2200 CAH-LANG 3(3,1)
**Intermediate Spanish Language and Civilization I:** PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

### SPM 2200H CAH-LANG 3(3,1)
**Honors Intermediate Spanish:** PR: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors consent. Fall.

### SPM 2201 CAH-LANG 3(3,1)
**Intermediate Spanish Language and Civilization II:** PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. Occasional.

### SPM 2240 CAH-LANG 3(3,1)
**Intensive Spanish Conversation:** PR: One year of Spanish or equivalent. Practical use of the language, leading toward fluency and correctness in speaking at the intermediate level. Occasional.
STA 3032  ECS-IEMS  3(3,0)  Probability and Statistics for Engineers:  PR: MAC 2312.  Axioms of probability, combinational and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H  ECS-IEMS  3(3,0)  Honors Probability and Statistics for Engineers:  PR: MAC 2312 and honors standing.  Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them.  With honors content. Fall, Spring.

STA 3096  COS-STAT  3(3,0)  Statistical Graphics:  PR: STA 2023 or STA 3032 and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. Occasional.

STA 4102  COS-STAT  3(3,0)  Computer Processing of Statistical Data:  PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130  COS-STAT  3(3,0)  Life Contingencies II:  PR: STA 4183 (or old number STA 3136). 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)  Mathematical Methods:  PR: STA 2023 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164  COS-STAT  3(3,0)  Statistical Methods III:  PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.

STA 4173  COS-STAT  3(3,0)  Biostatistical Methods:  CR: STA 4163 or C.I. Applied statistical principles and methods applied to problems in medical, biological, and health sciences. Occasional.

STA 4183  COS-STAT  3(3,0)  Theory of Interest:  PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.

STA 4184  COS-STAT  3(3,0)  Introduction to Derivative Markets:  PR: STA 4183 or C.I. Cash flow and profit for simple options and forwards, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, and collateralized derivative. Spring.

STA 4186  COS-STAT  3(3,0)  Theory of Derivative Pricing:  PR: STA 4183 or C.I. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, delta hedging, exotic options, distribution-free Monte Carlo simulations, Brownian motion, interest rate models. Spring.


STA 4321  COS-STAT  3(3,0)  Statistical Theory I:  PR: STA 2023 or STA 3032; CR: MAC 2313. Probability axioms, discrete and continuous sample spaces, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. Fall.


STA 4502  COS-STAT  3(3,0)  Nonparametric Statistical Methods:  PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. Occasional.


STA 4664  COS-STAT  3(3,0)  Statistical Quality Control:  PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products. Occasional.


STA 4939  COS-STAT  3(3,0)  Problems in Actuarial Science:  PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk, application of these tools to problems in actuarial science. May be repeated for credit. Occasional.

STA 4942  COS-STAT  3(3,0)  Practicum in Actuarial Science:  PR: STA 4183 or STA 6185. Discussion and presentation by actuarial practitioners. Occasional.


STA 5103  COS-STAT  3(3,0)  Advanced Computer Processing of Statistical Data:  PR: STA 4183 or STA 6185. Study of selected computer language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports. Fall.

STA 5139  COS-STAT  3(3,0)  Introduction to Theory and Limited Distributions:  PR: STA 4322, graduate status or senior standing, or C.I. Full and partial credibility. The credibility premium. Exact calculations and loss-probability estimation of credibility. Loss models for claim severities and frequencies. Aggregate claims models. Fall.

STA 5176  COS-STAT  3(3,0)  Biometry:  PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biological/ecological application; one-way and multi-way ANOVA; regression; ordination; classification. Spring.

STA 5205  COS-STAT  3(3,0)  Experimental Design:  PR: STA 4164, STA 5206 or STA 5219. An introduction to classical and modern approaches to the design and analysis of experiments with an emphasis on the use of statistical software. Fall.

STA 5505  COS-STAT  3(3,0)  Categorical Data Analysis:  PR: STA 4163 or STA 5206 and graduate status or senior standing. Analysis of categorical data, including logistic regression, categorical models, and generalised linear models. Applications. Occasional.


STA 5703  COS-STAT  3(3,0)  Data Mining Methodology I:  PR: STA 5033 and STA 5506, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. Fall.


STA 5940  COS-STAT  1(1,0)  Statistical Advice for Practitioners:  PR: Graduate status or senior standing or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer package usage, analysis, interpretation. May be repeated for credit. Graduate SU. Occasional.

STA 5948  COS-STAT  3(3,0)  Actuarial Science Practicum:  PR: STA 4333 or STA 6185. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUR 2101C</td>
<td>ECS-CECE</td>
<td>Surveying</td>
<td>PR: MAC 2311 and Junior standing, Theory and field practice in surveying measurements and the reduction and adjustment of field data.</td>
<td>3(2,3)</td>
</tr>
<tr>
<td>SUR 3324C</td>
<td>ECS-ENT</td>
<td>Digital Cartography</td>
<td>PR: SUR 4380. Coordinate systems, dot maps, data models and map digitizing, multivariate mapping, data measurement, typography, map compilation and map production.</td>
<td>3(0,1)</td>
</tr>
<tr>
<td>SUR 3331</td>
<td>ECS-ENT</td>
<td>Photogeometry</td>
<td>PR: SUR 2140C (Advanced Surveying) - offered only at community colleges. History of photogrammetry, principles of aerial imaging, digital imagery, geometry of aerial photography, image and object space, stereophotography, and topographic mapping.</td>
<td>3(0,2)</td>
</tr>
<tr>
<td>SUR 3530C</td>
<td>ECS-ENT</td>
<td>Geodetic Science</td>
<td>PR: SUR 2101C or C.I. Spherical trigonometry, basic topics in geodesy including geodetic reference systems and earth models, state plane coordinates, astronomical observations, time systems, and satellite orbits.</td>
<td>3(2,2)</td>
</tr>
<tr>
<td>SUR 3641</td>
<td>ECS-ENT</td>
<td>Geospatial Computations</td>
<td>PR: STA 2023 or equivalent. Methods of solving linear equations, theory of matrices, basic statistical concepts, probability, statistical testing, differential equations, and concepts of error analysis.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SUR 4360C</td>
<td>ECS-ENT</td>
<td>Digital Photogrammetry</td>
<td>PR: SUR 4380. Frequency representation, image models, digital filtering, image sampling, global image analysis, geometric transformations, convolution, binary image analysis, and image matching fundamentals.</td>
<td>3(0,1)</td>
</tr>
<tr>
<td>SUR 4380</td>
<td>ECS-ENT</td>
<td>Satellite Remote Sensing</td>
<td>PR: SUR 3331. Concept of satellite sensing, spectral reflectance, electromagnetic radiation, aerial photography, satellite orbits, image enhancement, land observation satellite systems, filtering, and image rectification.</td>
<td>3(0,2)</td>
</tr>
<tr>
<td>SUR 4403</td>
<td>ECS-ENT</td>
<td>Boundary Location</td>
<td>PR: ETD 2350C or C.I. Professional geomatics, ethics, boundaries creation, property surveying and ownership, retracement surveys, evidence &amp; preservation of evidence, easements, and role of surveyor in court.</td>
<td>3(0,2)</td>
</tr>
<tr>
<td>SUR 4420</td>
<td>ECS-ENT</td>
<td>Cadastral Information Systems</td>
<td>PR: SUR 4463. Cadastral system, land registration process, legal cadastral, physical cadastral, economical cadastr, modern cadastral information system components, and parcel identifiers.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SUR 4463</td>
<td>ECS-ENT</td>
<td>Land Subdivision and Platting</td>
<td>PR: SUR 4402. Land development analysis, regulations and subdivision ordinance, plat recording, development potential evaluation, and site design considerations including topographic, geometric, and plat design specification and specification.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SUR 4531</td>
<td>ECS-ENT</td>
<td>Positioning with GPS</td>
<td>PR: SUR 3530C. History of GPS, reference system, GPS signals, GPS observables, GPS errors, differential GPS, kinematic GPS, and data adjustments.</td>
<td>3(0,2)</td>
</tr>
<tr>
<td>SYA 3110</td>
<td>COS-SOC</td>
<td>Social Theory</td>
<td>PR: Junior standing and 9 hours of upper level sociology courses or C.I. Theories concerning the nature of mankind as a &quot;social being.&quot; The nature of society from the beginnings of the scientific study of human life to World War II.</td>
<td>3(0,4)</td>
</tr>
<tr>
<td>SYA 3120</td>
<td>COS-SOC</td>
<td>Contemporary Social Theory</td>
<td>PR: Junior standing and 9 hours of upper level sociology courses or C.I. A study of major European and American contributors to modern sociology since World War II.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYA 3400C</td>
<td>COS-SOC</td>
<td>Applied Social Statistics</td>
<td>PR: SYG 2000 and one other sociology course. Application of statistical techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists.</td>
<td>3(0,4)</td>
</tr>
<tr>
<td>SYA 4112</td>
<td>COS-SOC</td>
<td>The Thought and Writings of W.E.B. Du Bois</td>
<td>PR: SYG 2000 or SYG 3400C. The sociological scientific contributions of W.E.B. Du Bois. Occasional.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYA 4300C</td>
<td>COS-SOC</td>
<td>Research Methods</td>
<td>PR: SYG 2000 or SYG 3400C or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research.</td>
<td>3(0,2)</td>
</tr>
<tr>
<td>SYA 4310C</td>
<td>COS-SOC</td>
<td>Qualitative Research Analysis in Sociology</td>
<td>PR: SYA 4300C. Advanced research design and analysis focusing on qualitative methods, methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing.</td>
<td>3(0,4)</td>
</tr>
<tr>
<td>SYA 4450</td>
<td>COS-SOC</td>
<td>Data Analysis</td>
<td>PR: SYA 4300C and SYA 3400C. Advancing social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYA 4650C</td>
<td>COS-SOC</td>
<td>Community Action and Involvement</td>
<td>PR: SYG 2000 or SYG 3400C or C.I. Utilization of sociological principles in the treatment of practical human problems and organization.</td>
<td>3(0,2)</td>
</tr>
<tr>
<td>SYA 5625</td>
<td>COS-SOC</td>
<td>ProSeminar</td>
<td>PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological topics that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education, Fall.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYA 5652</td>
<td>COS-SOC</td>
<td>Advanced Population</td>
<td>PR: Graduate standing or C.I. Examination of the intersections of race, class, and gender in American society.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 3410</td>
<td>COS-SOC</td>
<td>Urban Society</td>
<td>PR: SYG 2000 or C.I. Historical roots of urbanization. Analysis and impact of community change on social organizations in modern industrial societies.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 3700</td>
<td>COS-SOC</td>
<td>Race and Ethnicity</td>
<td>PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 3750</td>
<td>COS-SOC</td>
<td>Contemporary Social Issues and North American Indian Women Today</td>
<td>PR: 2000 level social science course or C.I. Examination of North American Indian sovereignty and current issues including economic development, education, freedom of religion, child welfare, federal/state/triangular relations and environment.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 3751</td>
<td>COS-SOC</td>
<td>North American Indian Women Today: PR: 2000 level social science course or C.I. Examination of works of modern North American Indian women within context of sovereign rights. Issues include mythes, gender roles, coerced sterilization, child welfare, and economic opportunities.</td>
<td>3(0,3)</td>
<td></td>
</tr>
<tr>
<td>SYD 3752</td>
<td>COS-SOC</td>
<td>Modern Law in Indian Country</td>
<td>PR: 2000 level social science course or C.I. Examination of impact of unique legal relationship between American Indian governments and state federal governments. Legal issues include criminal justice, child welfare, and land ownership.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 3800</td>
<td>COS-SOC</td>
<td>Sex and Gender in Society</td>
<td>PR: SYG 2000 or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 4020</td>
<td>COS-SOC</td>
<td>Birth, Death, and Population Trends</td>
<td>PR: SYG 2000 or C.I. Concerned with the study of human population, its distribution, composition, and change. Occasional.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 4510</td>
<td>COS-SOC</td>
<td>Environment and Society</td>
<td>PR: SYG 2000 or C.I. The application of sociological theory and methods to the relationships between human behavior and the environment. Odd Spring.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 4514</td>
<td>COS-SOC</td>
<td>Environmental Movement</td>
<td>PR: SYG 2000 or SYG 2010 or C.I. Origins, evolution, current status and societal examination of the intersections of movement via sociological theory, concepts and research on social movements. Occasional.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 4810</td>
<td>COS-SOC</td>
<td>Women in Contemporary Society</td>
<td>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.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 4813</td>
<td>COS-SOC</td>
<td>Women, Law and Social Change</td>
<td>PR: SYG 2000 or SYG 2010 or C.I. The process of social movements and how they impact legalized social norms for women in public and private life. Occasional.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 5517</td>
<td>COS-SOC</td>
<td>Environment and Society</td>
<td>PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYD 5795</td>
<td>COS-SOC</td>
<td>Class, Race, and Gender in American Society</td>
<td>PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the intersections of race, class, and gender in American society. Occasional.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>COS-SOC</td>
<td>Introduction to Sociology</td>
<td>PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYG 2000H</td>
<td>COS-SOC</td>
<td>General Sociology</td>
<td>PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>COS-SOC</td>
<td>Social Problems</td>
<td>PR: C.I. Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYG 2949</td>
<td>COS-SOC</td>
<td>Cooperative Education in Sociology</td>
<td>PR: Departmental permission required before registering. Cooperative education experience in sociology. Graded S/U. May be repeated for credit. Occasional.</td>
<td>0(0,8)</td>
</tr>
<tr>
<td>SYG 3000</td>
<td>COS-SOC</td>
<td>Contemporary Sociology</td>
<td>PR: SYG 2000 or SYG 2010 or C.I. Exploration of contemporary sociology. Conceptual analysis and methodological techniques, presentation and utilization of sociological literature on major social institutions. Occasional.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>SYG 3360</td>
<td>COS-SOC</td>
<td>Social Organization and Human Relations</td>
<td>PR: C.I. 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.</td>
<td>3(0,3)</td>
</tr>
</tbody>
</table>
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.

SYP 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 strong and weak systems; patterns of mobility and change. Occasional.

SYO 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.

SYO 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.

SYO 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.

SYO 4300 COS-SOC 3(3,0)
Political Sociology: Sociological analysis of political and political groups, socioeconomic variable of voting behavior, power elites, societies and systems of government. Occasional.

SYO 4323 COS-SOC 3(3,0)
Community and Diversity: PR: 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.

SYO 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)

SYO 3530 COS-SOC 3(3,0)
Juvenile Delinquency: Types of delinquency behavior among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. Occasional.

SYP 3540 COS-SOC 3(3,0)

SYP 3551 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. Examines the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity and age. Occasional.

SYP 3650 COS-SOC 3(3,0)

SYP 4000 COS-SOC 3(3,0)

SYP 4004 COS-SOC 3(3,0)
Constructing Social Issues: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of social problems as an emergent phenomenon that involves collective definitions and legitimating organizations. Topics include deviance, race, gender and popular culture. Occasional.

SYP 4304 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)

SYP 4514 COS-SOC 3(3,0)

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 victimization such as victimization risks and societal treatment of victims. Occasional.

SYP 4536 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 4550 COS-SOC 3(3,0)

SYP 4730 COS-SOC 3(3,0)

SYP 4732 COS-SOC 3(3,0)

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 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)

TAX 4001 BA-ACCT 3(3,0)
Taxation of Business Entities and Transactions: PR: Junior standing plus completion of ACG 3131 with a grade of “C” or higher. 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 and TAX 4001. Advanced tax issues affecting business entities and their owners, with a primary focus on corporations and partnerships. Occasional.

THE 2000 CAH-THEA 3(3,0)
Theatre Survey: Overview of the art and craft of the theatre. Restricted to non majors. Fall, Spring.

THE 2000H CAH-THEA 3(3,0)

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 2025 CAH-THEA 3(3,0)

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 2081C CAH-THEA 0(1,2)

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 2250 CAH-THEA 3(3,0)
Sex, Drugs, & the Rock and Roll Musical: Overview of the Rock & Roll musical theatre genre including culture and development. Occasional.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3077C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Scene Painting: PR: &quot;C&quot; (2.0) or better in TPA 2000C and TPA 2071C. Projects in scene painting techniques. Fall, M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>TPA 3195L</td>
<td>CAH-THEA</td>
<td>3(0,VAR)</td>
<td>Theatre Participation-Production II: PR: &quot;C&quot; (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&amp;S fee: $15.00</td>
</tr>
<tr>
<td>TPA 3221C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Advanced Makeup Techniques: PR: &quot;C&quot; (2.0) or better in TPA 2248C. Lectures and laboratory study of basic techniques needed for the creation of stage and film prosthetics and makeup. Occasional, M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>TPA 3383C</td>
<td>CAH-THEA</td>
<td>2(2,4)</td>
<td>Fundamentals of Acting: PR: &quot;C&quot; (2.0) or better required in TPA 2290L. Participation in UCF Theatre productions. May be repeated for credit a maximum of 8 times. Fall, Spring, M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>TPA 3601</td>
<td>CAH-THEA</td>
<td>3(0,0)</td>
<td>Stage Management: PR: &quot;C&quot; (2.0) or better in TPA 2800. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall, M&amp;S fee: $37.00</td>
</tr>
<tr>
<td>TPA 3606C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Advanced Scenography: PR: TPA 3060C, TPA 3040C, TPA 3050C, TPA 3260C, or TPA 3292C. Project based work in student's area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>TPA 3710C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Advanced CADD for Theatre: PR: &quot;C&quot; (2.0) or better in TPA 3211L. Computer-aided drafting and design and its application for Theatre. Fall, M&amp;S fee: $23.00</td>
</tr>
<tr>
<td>TPA 3745C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>3D Computer Assisted Design for Theatre: PR: Admission into Theatre MFA Design track. Two-Dimensional computer drafting and editing techniques applicable to theatre design. Occasional.</td>
</tr>
<tr>
<td>TPA 5040S</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. Occasional.</td>
</tr>
<tr>
<td>TPA 5885C</td>
<td>CAH-THEA</td>
<td>2(2,2)</td>
<td>Puppetry: PR: Admission to the MFA program or C.J. Puppetry as an art form in design and performance. Odd Spring, M&amp;S fee: $30.00</td>
</tr>
<tr>
<td>TPA 3430B</td>
<td>CAH-THEA</td>
<td>3(3,4)</td>
<td>Advanced Topics in Technical Theatre: PR: &quot;C&quot; (2.0) or better in TPA 2210 and TPA 2211. Variable topics which may include Technical Direction or other advanced opportunities. May be used in the degree program a maximum of 4 times. Occasional, M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>TPA 4400</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Theatre Management: PR: &quot;C&quot; (2.0) or better in THE 2000 or THE 2020. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatre productions. Additional emphasis placed on management theory and style. Fall, Spring, Occasional.</td>
</tr>
<tr>
<td>TPA 4401C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>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.</td>
</tr>
<tr>
<td>TPA 4602</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Advanced Stage Management: PR: B.F.A. Stage Management major, &quot;C&quot; (2.0) or better required in TPA 3602. Skills necessary for stage managers in contemporary entertainment. Fall, Occasional.</td>
</tr>
<tr>
<td>TPA 5029C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Lighting Design Studio: PR: TPA 5042C and TPA 5062C. Advanced work in the process of designing light for the stage with an emphasis on the use of light as artistic expression. Occasional.</td>
</tr>
<tr>
<td>TPA 5042C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Costume Design Studio: PR: Admission to the graduate program in Theatre or C.J. Participation oriented course in the advance study of Costume Design. Occasional.</td>
</tr>
<tr>
<td>TPA 5062C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Scene Design Studio: PR: Graduate status or C.J. Participation oriented course in the conceptualization and communication of scenic designs for the theatre. Spring.</td>
</tr>
<tr>
<td>TPA 5081C</td>
<td>CAH-THEA</td>
<td>3(3,3)</td>
<td>Design Concepts for Youth Theatre: PR: Admission to the graduate program in Theatre or C.J. A study of design elements (lighting, costume, set) as they apply to youth theatre.</td>
</tr>
<tr>
<td>TPA 5157C</td>
<td>CAH-THEA</td>
<td>1(1,1)</td>
<td>Rendering for Theatre I: PR: Admission to the graduate program in Theatre or C.J. Traditional visual communication skills necessary for scenic, costume, and lighting design. Fall, Occasional.</td>
</tr>
<tr>
<td>TPA 5157C</td>
<td>CAH-THEA</td>
<td>1(1,1)</td>
<td>Rendering for Theatre II: PR: TPA 5095C. Software and technology available for visual communication and documentation. Spring.</td>
</tr>
<tr>
<td>TPA 5345C</td>
<td>CAH-THEA</td>
<td>2(2,2)</td>
<td>2D Computer Assisted Design for Theatre: PR: Admission into the Theatre MFA Design track. Two-Dimensional computer drafting and editing techniques applicable to theatre design. Occasional.</td>
</tr>
<tr>
<td>TPA 5345C</td>
<td>CAH-THEA</td>
<td>2(2,2)</td>
<td>3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. Occasional.</td>
</tr>
<tr>
<td>TPA 5405</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Theatre Management for Non-Majors: PR: THE 2000 or THE 2020, graduate status, or C.J. Study of university, community and professional theatre management with special attention to the principles of management to include management skills/function and organizational systems/performances as they relate to theatre organizations/institutions. Fall.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

TPP 3252 CAH-THEA 3(0,VAR) Musical Theatre Acting II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3250. Practical acting technique as it applies to musical theatre scene study. Spring.


TPP 3258C CAH-THEA 2(2,2) Musical Theatre Voice II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3257C. Artistry of singing including function of music and lyrics, and problems in song interpretation utilizing musical theatre repertoire. Fall.

TPP 3264C CAH-THEA 3(3,2) Acting for Camera: PR: BA Theatre Major; a C (2.0) or better in TPP 2101, TPP 3103, and THE 2020. Preparing the actor for professional work in the TV/Film industry. Occasional.

TPP 3310C CAH-THEA 3(2,2) Directing for Theatre I: PR: Theatre majors, Junior Standing, and C (2.0) or better in THE 3302. Principles and techniques of play direction to include script selection, directional analysis, casting, compositional picturization, blocking, tempo, and rehearsal planning. Fall, Spring.

TPP 3510C CAH-THEA 2(0,1) Movement for the Actor I: PR: TPP 2920. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more effective body. Fall.

TPP 3513C CAH-THEA 2(2,1) Movement for the Actor II: PR: C (2.0) or better in TPP 3510C. Reinforcement of the techniques of TPP 3510C. Fall.

TPP 3711C CAH-THEA 2(2,1) Voice Production I: PR: C (2.0) or better in TPP 2710C. Reinforcing stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting texts. Spring.

TPP 3712C CAH-THEA 2(2,1) Voice Production II: PR: C (2.0) or better in TPP 3711C. Emphasis on study of Shakespearean and heightened language. Fall.

TPP 3952L CAH-THEA 3(0,VAR) Summer Studio Performance: PR: Audition Intensive or departmental consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $20.00

TPP 4140C CAH-THEA 3(2,2) Acting IV - Creating the Role: PR: C (2.0) or better in TPP 3172C. Continued exploration and application of acting techniques through scene study. Fall.

TPP 4142C CAH-THEA 3(2,2) Acting Versus: PR: Grade of C (2.0) or better in TPP 4140C. Versus drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. Occasional.

TPP 4143C CAH-THEA 3(2,2) Acting Styles: PR: C (2.0) or better in TPP 3103 or TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.

TPP 4193L CAH-THEA 1(0,VAR) Theatre Participation-Performance II: PR: Theatre major or minor and C (2.0) or better in TPP 2190L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee: $15.00

TPP 4221 CAH-THEA 3(3,0) Auditioning: PR: C (2.0) or better in TPP 2170C. Selecting monologues, auditioning techniques and cold readings. Spring.
Master of Arts Program or C.I. Teaching K-12 limited

TSL 5085 ED-TLP 3(3,0)
Focuses on methods of teaching English to Speakers of English as an International Language:

TSL 3346 CAH-LANG 3(3,0)
Contemporary Practices in Youth Theatre:

TPP 5935C CAH-LANG 3(3,0)
ESOL Cultural Diversity:

and methods of teaching ESOL to meet the needs of limited population in Florida schools and to understand their special needs.

TPP 5302 CAH-LANG 3(3,0)
Introduction to Women's Studies: PR: TTE 4004 or C.I. Study of highway geometric design in the engineering of transportation systems.

TSL 4080 ED-TLP 3(3,0)
Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I.

TSL 4240 CAH-LANG 3(3,0)

TSL 5085 ED-TLP 3(3,0)
Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5255 CAH-LANG 3(3,0)
ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.

TSL 5040 ED-TLP 3(3,0)
Topics in TESL: PR: Graduate status or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL), ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. Fall, Spring.

TSL 4240 CAH-LANG 3(3,0)

TSL 3346 CAH-LANG 3(3,0)
Contemporary Practices in Youth Theatre:

TPP 5935C CAH-LANG 3(3,0)
ESOL Cultural Diversity:

and methods of teaching ESOL to meet the needs of limited population in Florida schools and to understand their special needs.

TPP 5302 CAH-LANG 3(3,0)
Introduction to Women's Studies: PR: TTE 4004 or C.I. Study of highway geometric design in the engineering of transportation systems.

TSL 4080 ED-TLP 3(3,0)
Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I.

TSL 4240 CAH-LANG 3(3,0)

TSL 5085 ED-TLP 3(3,0)
Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5255 CAH-LANG 3(3,0)
ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.
ZOO 3713C COS-BIOL 5(3,6)
Comparative Vertebrate Anatomy: PR: BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&S fee: $35.00

ZOO 3733C COM&M&M 4(3,3)
Human Anatomy: PR: BSC 2010C or equivalent. Structure of the human body. Fall, Spring. M&S fee: $15.00

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 3736C COM&M&M 4(3,2)
Exercise Physiology Anatomy: PR: BSC 2010C, CI. Gross anatomy for exercise physiology majors. Fall, Spring. M&S fee: $15.00

ZOO 3744 COM&M&M 3(3,0)
Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.

ZOO 4205C COS-BIOL 4(3,3)

ZOO 4310C COS-BIOL 4(2,6)
Vertebrate Evolution & Ecology: PR: BSC 2010C, BSC 2011C, PCB 3044, PCB 3063 or C.I. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and field work. Occasional. M&S fee: $45.00

ZOO 4480 COS-BIOL 4(4,0)

ZOO 4513 COS-BIOL 3(3,0)
Animal Behavior: PR: PCB 3044. Study of the current ideas in animal behavior, including the mechanisms of behavior and evolutionary explanations. Odd Fall.
ALLEN, FRANK R., Associate Director for Administrative Services (1998), B.A., M.B.A., M.L.S. (University of Tennessee)

ALLEN, JEFFERY W., Associate Professor of Marketing (1990), B.M.B.A., D.B.A. (University of Kentucky)

ALLEN, KAY WILLIAMSON, Associate Professor of Education (1999), 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)

ALTO, BURE DEBORAH, Assistant Professor (2009), Ph.D. (Rutgers, the State University of New Jersey)

AMBROSE, MAUREEN L., Professor of Management (1999), B.A., M. D. (University of Illinois at Urbana-Champaign)

AMIDEI, CHRISTINA, Instructor, College of Nursing (2008), F.A.A.N., M.S.N. (Loyola University of Chicago)

AN, LINAN, Professor of Communication (2006), B. S., M. A., Ph.D. (University of Illinois at Urbana-Champaign)

ANDRESEN, JANET, Visiting Assistant Professor of Education (2005), B.S., M.A., Ed.D. (University of Central Florida)

ANDREWS, DIANE, Assistant Professor, College of Nursing (2006), M.S.N., Ph.D. (University of Central Florida)

ANGELOPOULOS, THEODOR, Professor of Health Sciences and Secondary Joint Professor of Medicine (1998), B.S., M.B.A., Ph.D. (University of Pittsburgh)

ANGLEY, PATRICIA, Instructor of English (1998), B.A., M.A., Ph.D. (University of Hawaii)

APPLEGATE, BRANDON, Associate Professor of Criminal Justice (1996), B.S., M.S. (University of Cincinnati)

APPLEN, J.D., Associate Professor of English (1997), B.S., M.F.A., Ph.D. (University of Arizona)

ARK, PAMELA, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Tennessee, Memphis)

ARMACOST, ROBERT, Special Advisor to the Dean, College of Medicine (1991), D.Sc. (The George Washington University)

ARNOLD, VICKY J., Chairholder, Ernst & Young Professorship and Professor of Accounting (2005), B.A., M.B.A., Ph.D. (University of Kentucky)

Aragon, KAREN, Professor, College of Nursing (2008), F.A.A.N., B.S., M.S., Ph.D. (University of Washington)

ARTHUR, MICHAEL A., Head, Acquisitions & Collections and Assistant Librarian (2006), B.S., M.L.S., M.P.A. (Old Dominion University)

ASHLEY, ROBERT A., Assistant Professor of Hospitality Management (1984), B.S., M.S. (Florida International University, C.E.C. C.C.E.)

ATKINSON, TOM, Assistant Professor of Education (2006), B.M.E., M.S.E., Ph.D. (Louisiana State University)

AZMI, CYRUS, Lecturer of Psychology (2006), B. S., M. A., Ph.D. (University of Central Florida)

BAKLEY, GEORGE M., Associate Professor of Communication (1994), B.A., M.A. (University of Utah)

BAI, HAIYAN, Assistant Professor of Education (2008), B.A., M.A., Ph.D. (University of Kansas)

BALL, I. CORI, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), M.D.


Ball, DAVID, Professor of Biology (2009), Ph.D. (Pennsylvania State University)

Ballantyne, John, Professor of Chemistry (1998), B.A., M.S., M.D. (University of Pennsylvania at Storrs Brook)

Ballinger, Beth J., Professor of Anthropology (2007), Ph.D. (University of Colorado)

Barfield, Rufus, Associate Professor of Communication (1998), B.A., M.A., Ph.D. (Howard University)

Barnes, Thomas, Courtesy Assistant Professor of Family Medicine (2008), M.D.

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)

Bartkevicius, Jocelyn, Associate Professor of English (1994), B.A., M.A., M.F.A., Ph.D. (University of Iowa)

Bascio, Buenaventura B., Associate Librarian (1968), B.S.I.E., M.B.A., M.A.L.I.S. (University of South Florida)

Bassioni, Mostafa, Professor School of Electrical Engineering and Computer Science (1981), B.S., M.S., Ph.D. (Pennsylvania State University)

Baum, 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)

Batsheva, E., Director and Professor School of Electrical Engineering and Computer Science (1991), B.S., M.S., Ph.D. (University of Illinois at Chicago), P.E. (Florida)

Batchelder, Heather, Visiting Assistant Professor (2008), B.A., M.A., Ph.D. (University of Central Florida)

Baumgartner, Donna J., Professor Emeritus of Music (1978), B.S., M.S., Ed.D. (Indiana University)

Bayer, Cynthia A., Research Assistant, Professor (1996), B.S., Ph.D. (Syracuse University)

Beardsley, David, Courtesy Instructor of Psychiatry (2000), M.S.W.M.B.A.

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)

Behal, Amant, Assistant Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Clemson University)

Behzad, 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)


Beiler, Roger, Associate Professor and Chair of History (1994), B.A., Ph.D. (University of Pennsylvania)

Belfield, Kevin D., Chair Professor of Chemistry and Secondary Joint Professor of Optics and MMAE (1998), B.S., Ph.D. (Syracuse University)

Bell, Kathleen, Associate Professor of English (1993), B.S., M.Ed., Ph.D. (Arizona State University)

Benford, Tanya S., Assistant Professor of Accounting (2004), B.A., M.B.A., Ph.D. (University of South Florida)

Benson, Cynthia, Instructor of Political Science (1989), B.A., M.A. (Ohio University)
COX, MARIA, Assistant to the Chair
(2007), B.A., M.A., Ph.D. (University of Illinois)
CRAIG, SUSAN C., Instructor of Criminal Justice
(2003), B.S., M.Ed., Ph.D. (Pennsylvania State University)
CRAIGER, PHILIP, Assistant Professor of Engineering Technology
(2006), B.S., M.S., Ph.D. (University of South Florida)
CRAMON, WILLIAM G., Assistant Professor of Biology
CREPEAU, RICHARD C., Professor of History and Interim Graduate Program Director
(1973), B.S., M.A., Ph.D. (Florida State University)
CRESPO, LYNN, Assistant Dean, Medical Education and Professor of Pharmacology
(2007), Ph.D. (University of New York)
CREVECOEUR-BRYANT, EWDIGE, Assistant Professor
(1999), B.S., M.A., Ed.D. (Teachers College, Columbia University)
CROES, ROBERT TO, Associate Professor of Hospitality Management
(2002), B.A., M.A., Ph.D. (University Twente Netherlands)
CROFT, MAX, Research Associate, Digital Media
(2005), B.F.A. (Florida State University)
CROFTON, DANIEL, Courtesy Assistant Professor of Medical Education
(2007), M.D.
CROSS, LEE, Associate Professor of Education
(1999), Ph.D. (University of North Carolina at Chapel Hill)
CRUMP-DEO, NARSINGH, Professor of Engineering
(2002), B.S., M.S., Ph.D. (University of Kansas)
CULP, ANNE MCDONALD, Chair and Professor of Education
(2005), B.S., M.A., Ph.D. (University of Kansas)
CULP, Rex, Associate Dean and Professor of Education
(2005), B.A., M.A., J.D. (University of Kansas)
CUTCHINS, CONSTANCE E., Instructor of Statistics
(1985), B.A., M.A. (Pennsylvania State University)
CUTY-RUIZ, LAURA, Director, Clinical Skills Lab and Assistant Professor of Medical Education
(2008), Ph.D. (University of Alabama)
DA VITORIA LOBO, NIELS, Associate Professor School of Electrical Engineering and Computer Science
(1993), B.Sc., M.Sc., Ph.D. (University of Toronto)
DAIRE, ANDREW, Associate Professor of Education
(2001), B.S., M.S., Ph.D. (Florida State University)
DANDROW, EDWARD, Instructor of History
(2007), B.A., M.A. (Florida State University)
DANIEL, HENRY, Pegasus Professor, Trustee Chair, Program Director of Biotechnology, and Professor of Molecular Biology and Microbiology
(1998), Ph.D. (Madurai-Kamaraj University)
DANIELSSON, PER, Assistant Professor of Music
(2007), B.A., M.M. (University of South Florida)
DARTY, AMY, Instructor of History
(2004), B.A., M.A. (University of Central Florida)
DATTA-GUPTA, NIRMALENDU, Visiting Lecturer of Chemistry
(2007), B.S., M.S., Ph.D. (SUNY at Buffalo)
DAVEY, DIANE, Assistant Dean, Graduate Medical Education and Professor of Pathology
(2007), M.D. (Washington University)
DAVIS, JILL, Director of Field Education
(2003), M.S.W., L.C.S.W. (University of Central Florida)
DAVIS, KRISTIN, Assistant Professor of Communication
(2006), B.A., M.A., Ph.D. (Arizona State University)
DAVIS, LAUREL, Clinical Instructor/Undergraduate Field Coordinator, School of Social Work
(1996), B.A., M.S.W., L.C.S.W. (Case Western Reserve University)
DeCHURCH, LESLIE A., Assistant Professor of Psychology
(2007), M.S., Ph.D. (Florida International Univ.)
DECKER, BERNARD, Associate Professor of German
(1989), B.A., M.A., Ph.D. (Cornell University)
DEERY, TODD, Research Associate, FISA
(2009), B.A., M.A. (Stetson University)
DEL BARCO, ENRIQUE, Associate Professor of Physics
(2006), Ph.D. (University of Barcelona, Spain)
DELFYETT JR., PETER, Secondary Joint University Board of Trustee Chair, Professor of Optics & EECs
(1993), B.E., M.S., M.Phil., Ph.D. (City University of NY)
DeLORME, DENISE E., Professor of Communication
(1986), B.A., M.A., Ph.D. (University of Georgia)
DEMARA, RONALD F., Graduate Coordinator and Professor School of Electrical Engineering and Computer Science
(1993), B.S., M.S., Ph.D. (University of Southern California), P.E. (California)
DENNIS, KAREN, Professor, College of Nursing
(2000), F.A.A.N., M.S.N., Ph.D. (University of Maryland)
DEO, NARSINGH, Professor School of Electrical Engineering and Computer Science; Holder of the Charles N. Milican Chair in Computer Science
(1986), B.Sc., M.S., Ph.D. (Northwestern University)
DePALMA, JAMES, Visiting Instructor of History
(2000), B.A., M.A. (Youngstown State University)
DEPE, DENNIS G., Professor of Optics/PECE Endowed Chair
(2005), B.S., Ph.D. (University of Illinois)
DESAI, NAMAN, Assistant Professor of Accounting
(2008), B.Com., M.Acc., Ph.D. (Florida State University)
DESRAJU, RAMARAO, Associate Professor of Marketing
(1999), B. Tech, Ph.D. (University of Florida)
DEMARTA, PAUL, Instructor, College of Nursing
(2003), M.S.N., Ph.D. (University of Massachusetts)
DEXTER, NADINE, Director, Health Sciences Library
(2008), M.L.S. (Florida State University)
DI CHIARA, DEBRA, Instructor, College of Nursing
(2009), B.S.N., M.S.N. (University of Central Florida)
DIAZ, DIEGO J., Assistant Professor of Chemistry and Joint Assistant Professor of Nanoscience Technology
(2005), B.S., Ph.D. (Cornell University)
DIAZ, SILVIA, Instructor of Education
(2003), B.S., M.S. (University of Miami)
DIBERNARDO, SABATINO, Instructor of Religion, Philosophy, and Humanities
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TAYLOR, WALTER K., Professor Emeritus of Biology (1969), B.S., M.S., Ph.D. (Arizona State University)


THOMAS, MARGARET H., Professor Emeritus of Psychology (1971), B.A., M.A., Ph.D. (Tulane University)

TUBBS, LEVESTER, Associate Professor Emeritus, Educational Research, Technology, and Leadership (1980), B.S., M.S., Ed.D. (University of Missouri-Columbia)

TUCKER, RICHARD D., Professor Emeritus of Psychology (1972), A.B., M.A., Ph.D. (Emory University)

TZANNES, NICOLAOS S., Professor Emeritus of Engineering (1986), B.E.E., M.E.E., Ph.D. (Johns Hopkins University)

WALACE, RONALD L., Professor Emeritus of Anthropology (1976), B.A., M.A., Ph.D. (Florida State University)

WANIELISTA, MARTIN P., Professor Emeritus of Engineering (1970), B.S.C.E., M.S., Ph.D. (Cornell University), P.E. (Florida)

WHISLER, BRUCE A., Associate Professor Emeritus of Music (1971), B.A., Ph.D. (University of Rochester)

WHITE, ROSEANN S., Associate Director of Burnett School of Biomedical Sciences, Professor Emeritus of Molecular Biology and Microbiology (1969), Ph.D. (University of Texas W.S.Medical School)


WOLF, J. GARY, Distinguished Service Professor Emeritus of Music (1972), B.M.Ed., M.M., D.M.A. (Eastman School of Music)

WRIGHT, BURTON, Professor Emeritus of Sociology (1970), B.S., M.S., Ph.D. (Florida State University)

WYCOFF, EDGAR B., Associate Professor Emeritus of Communication (1972), B.S., M.B.A., Ph.D. (Florida State University)

COURTESY APPOINTMENTS

ABDELRAHIM, MAEN A., Courtesy Associate Professor Biomolecular Science Center (2008), B.Sc. in Pharmacy, Ph.D. (Texas A&M University, College Station)

AGUIRRE, LILLIAN, Courtesy Instructor of Nursing (2009), BS, MS (University of Central Florida)

ANAGNOSTOPOULOS, GEORGIOS, Courtesy Assistant Professor (2007), P.S.P., M.S., Ph.D. (University of Central Florida)

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)

BALLANTYNE, JOHN, Associate Professor of Chemistry/Forensic Science (1996), Ph.D. (State University of New York at Stony Brook)

BEACH, KEVIN, Assistant Research Professor of Biology (2001), B.S., Ph.D. (University of Hawai'i at Manoa)

BELFIELD, KEVIN D., Secondary Joint Professor of Optics & Photonics, and Biomolecular Science Center: CREOL & FPC (1998), Ph.D. (Syracuse University)

BELLO, DAVID, Courtesy Associate Professor Biomolecular Science Center (2004), M.D. (Central University of Venezuela)

BETTINGER, TAMARA, Assistant Professor of Biology (2003), ( Oklahoma State University) 

BIELITZKI, JOSEPH, Secondary Joint Professor Biomolecular Science Center (2006), D.V.M. (University of Illinois at Urbana-Champaign) 

BILLINGS, JOSEPH B., Professor of Biology (2003), (University of Central Florida)

BON ITA, CHRISTINA, Secondary Joint Assistant Professor of Biomedical Science Center (2003), Ph.D. (University of Parma, Italy)

CAMDESANNCE, JEAN-PHILIPPE, Courtesy Visiting Scientist-Biomolecular Science Center (2007), M.S., M.D. (Claude Bernard University, Lyon France), Advanced degree in neurosciences (Claude Bernard University, Lyon France)

CARLSON, JOHN K., Research Assistant Professor of Biology (2003), (University of Mississippi)

CHALALI, ALI, Courtesy Associate Professor of Neurosurgery (2007)

CHANG, NAI-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)

CHITTICK, ELIZABETH, Assistant Research Professor of Biology (2002), (Tufts University)

CHOW, LOUIS C., Secondary Joint Professor of Optics & Photonics (2005), M.S., Ph.D. (University of California, Berkeley)

COBB, KATHY, Courtesy Adjunct Instructor, Educational Research, Technology, and Leadership (2007), J.D. (Stetson University)

COFFEY, KEVIN, Secondary Joint Associate Professor of Electrical and Computer Engineering (2005), B.A., B.S., M.S., PhD (Massachusetts Institute of Technology) 

COLUMBUS, GENE, Department of Theatre (2000)

COOK, CLAYTON B., Professor of Biology (2002), B.A., Ph.D. (Duke University)

CRANIS, PETER, Associate Faculty of Communication (2002), (University of Central Florida) 

DE FREESSE, DUANE, Professor of Biology (2001), B.S., M.S., Ph.D. (Florida Institute of Technology) 

de LA ROSA, CARLOS L., Associate Professor of Biology (1999), B.S., Ph.D. (University of Pittsburgh)

DEATON, JOHN, Assistant Professor of Psychology (1994), B.A., M.A., Ph.D. (Catholic University of America, Washington, D.C.)

DeFREESSE, DUANE, Visiting Associate Scientist and Interim Director, UCF Institute for Environmental Sustainability. (2009), B.S., M.S., Ph.D. (Florida Institute of Technology) 

DeLOACH, JR., BERNARD C., Courtesy Professor School of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (Ohio State University)

DEMAR, 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 SecondaryJoint Professor of Materials Science and Engineering (1990), B.S., M.S., Ph.D. (University of Poona, Pune, India)

DOGARIU, ARISTIDE, Secondary Joint Associate Professor School of Electrical Engineering and Computer Science (1995), Ph.D. (Hokkaido University)

DOLSK, MICHELE, Courtesy Clinical Assistant Professor of Psychology (2009), BS, MA, PhD (University of Alabama at Birmingham)

DOMAS, 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)

DRAGE, JASON, Courtesy Research Assistant Professor of Biology (2004), B.S., M.S., Ph.D. (University of Maryland)

DUCHERME, ALFRED, Courtesy Assistant Professor of Optics and Photonics. (2005), B.S., E.E., PhD (University of Central Florida)

DURNAS, TOSHA LEA, Secondary Joint Assistant Professor of Biology (2003), B.S., M.S., Ph.D. (McMaster University)

DURANCEAU, STEVEN, Secondary Joint Associate Professor of Nanoscience (2009), A.A, BS, MS, PhD (University of Central Florida)

EASTES, RICHARD W., Secondary Joint Assistant Professor of Electrical Engineering (2008), B.S., M.A., Ph.D. (The Johns Hopkins University)

FIELD, MELVIN, Courtesy Associate Professor Biomolecular Science (2006), M.D. (University of Florida), Diplomat of the National Board of Medical Examiners

FOLSE, KEITH, Secondary Joint Associate Professor (2009), M.D. (University of South Florida)

FRANKLIN, RAYMOND, Clinical Faculty, M.S., Department of Molecular Biology and Microbiology; Courtesy Assistant Professor of Pathology; M.D., Ph.D. (University of Texas)

FRIEDMAN, DAVID, Courtesy Adjunct Professor of Biology (2007)

FRISTROM, JAMES W., Courtesy Research Professor of Biology (2004), B.A., Ph.D. (Rockefeller University)

FULLERTON, STUART, Biological Research Associate (1995), B.S. (University of Central Florida)

FULTON III, ROLLAND, Courtesy Associate Professor of Biology (2004), B.A., Ph.D. (Duke University)

GARIBAY, IVAN, Secondary Joint Instructor School of Electrical Engineering and Computer Science (2007), Ph.D. (University of Central Florida)

GARLAND, JAY, Associate Research Professor of Biology (2002), B.S., M.S., Ph.D. (University of Virginia)

GESQUIERRE, ANDREJ, Secondary Joint Assistant Professor of FSEC (2009), BS, PhD (Catholic University of Leuven)

GHAMARI-TABRIZI, SHARON, Courtesy Research Associate (2009), PhD (University of California)

GOLDBERG, STEVEN, Courtesy Associate Professor of Psychology; Chief, Orlando Field Unit, US Army Research Institute (1994), B.A., Ph.D. (State University of New York at Buffalo)

GOLDEZ, BRIAN, Deputy Director and Principal Investigator of the Institution of Simulation and Training and Secondary Joint Assistant Professor of Industrial Engineering and Management Systems (2006), B.S., M.S., Ph.D. (University of Central Florida)

GOODMAN, IRA, Courtesy Associate Professor Biomolecular Science Center (2006), B.S., 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)

GORDIN, PATRICIA, Courtesy Adjunct - Educational Research, Technology & Leadership (2007)

GORMAN, JAYNE S., Courtesy Adjunct (2007), Ed.D. (Nova Southeastern University)

GUARDA, LUIS A., Courtesy Professor, Medical Laboratory Sciences;Courtesy Associate Professor of Pathology (2005), M.D. (University of Chile)

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. (2004), B.S., Ph.D. (University of Central Florida)

HEINONEN, OLLE, Associate Professor of Physics (1989), B.S., Ph.D. (Case Western Reserve University)

HERBERT, 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. (2004), B.S., Ph.D. (University of Central Florida)

HICKEY, MICHAEL H., Courtesy Associate Professor of Physics (2004), B.A., M.S., Ph.D. (University of Central Florida)

HICKEY, MICHAEL H., Courtesy Associate Professor of Physics (2004), B.A., M.S., Ph.D. (University of Central Florida)

HICKMAN, JAMES, Professor of Pathology and Microbiology; Courtesy Assistant Professor of Cell Biology (1989), B.S., M.S., Ph.D. (University of Washington)

HICKEY, MICHAEL H., Courtesy Associate Professor of Physics (2004), B.A., M.S., Ph.D. (University of Central Florida)

HICKMAN, JAMES, Professor of Pathology and Microbiology; Courtesy Assistant Professor of Cell Biology (1989), B.S., M.S., Ph.D. (University of Washington)

HICKMAN, JAMES, Professor of Pathology and Microbiology; Courtesy Assistant Professor of Cell Biology (1989), B.S., M.S., Ph.D. (University of Washington)

HICKMAN, JAMES, Professor of Pathology and Microbiology; Courtesy Assistant Professor of Cell Biology (1989), B.S., M.S., Ph.D. (University of Washington)

HICKMAN, JAMES, Professor of Pathology and Microbiology; Courtesy Assistant Professor of Cell Biology (1989), B.S., M.S., Ph.D. (University of Washington)

HICKMAN, JAMES, Professor of Pathology and Microbiology; Courtesy Assistant Professor of Cell Biology (1989), B.S., M.S., Ph.D. (University of Washington)

HICKMAN, JAMES, Professor of Pathology and Microbiology; Courtesy Assistant Professor of Cell Biology (1989), B.S., M.S., Ph.D. (University of Washington)
HICKMAN, JAMES, Secondary Joint Professor School of Electrical Engineering and Computer Science (2004), Ph.D. (Massachusetts Institute of Technology)

HIGBEE, RUSSELL, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Oklahoma State University)

HOLSBECK, DANIEL, Courtesy Professor of Communication (2009), BS, Med. PhD (Florida State University)

HORN, GORDON, Courtesy Clinical Assistant Professor of Psychology (2009), BS, MA, PhD (Saint Louis University)

HUANG, XU, Courtesy Visiting Scholar (2007), BS, M.B.A., Ph.D. (Southern University of Finance and Economics)

HUBSCH, TRISTAN, Courtesy Graduate Faculty Scholar (2009), BS, PhD (University of Maryland)

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, ERIC, Secondary Joint Professor School of Electrical Engineering and Computer Science (2000), Ph.D. (University of Alabama)

JOHNSON, NANCY M., Courtesy Clinical Nurse Specialist (2005), B.S., M.S.N. (University of Evansville, Indiana)

KACHURIN, ANATOLY, Courtesy Assistant Professor of Molecular Biology and Microbiology (2004), Ph.D. (Russian Academy of Science, St. Petersburg Nuclear Physics Institute)

KAPLAN, MICHAEL, Professor of Psychology (1995), Ph.D. (Yeshiva University)

KAPPOOR, VIKRAM, Courtesy Professor of Electrical & Computer Engineering (2004), Ph.D (Lehigh University)

KAR, ARAVINDA, Secondary Joint Associate Professor of Electrical and Computer Engineering (2005), B.S., M.S., Ph.D. (University of Illinois at Urbana-Champaign)

KELLY, DANIEL P., Courtesy Professor of Biomedical Sciences, Biomolecular Science Center (2008), M.D.

KENNEDY, ROBERT S., Professor of Psychology (2003), B.A., M.A., Ph.D. (University of Rochester)

KENNY, 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)

KHONDAKER, SAIFUL, Secondary Joint Professor (2009), BS, MS, PhD (University of Cambridge)

KIM, JONG, Courtesy Research Scientist (2009), BS, 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 (2007), B.A., M.A., Ph.D. (Ohio State University)

KRUPP, LINDA, Courtesy Adjunct Instructor, Educational Studies (2006), E.D.D. (University of Florida)

KUCHMA, MELISSA, Courtesy Visiting Scientist (2006), Ph.D. (Massachusetts Institute of Technology)

KURJACK, EDWARD, Courtesy Professor of Anthropology (2001), Ph.D. (Ohio State University)

KYLE, TIFFANY LINKOVICH, Courtesy Research Assistant Professor of Psychology (2007), B.A., M.S., Ph.D. (University of Central Florida)

LAUL, BRIAN, A., Courtesy Assistant Professor of Electrical Engineering and Computer Science (2005), B.S., M.S., M.S. E.E., Ph.D. (New Mexico State University, Las Cruces, New Mexico)

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)

LELI, DANO, Courtesy Clinical Assistant Professor of Psychology (2009), BA, MS, PhD (University of South Florida)

LEVENBERGER, MICHAEL N., Secondary Joint Assistant Professor of Electrical and Computer Engineering (2005), B.S., M.S., Ph.D. (University of Basel, Switzerland)

LI, GUOFANG, Secondary Joint Associate Professor, School 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)

LIKAWA, PATRICK, L, Secondary Joint Associate Professor School of Electrical Engineering and Computer Science (1993), Ph.D. (University of Sheffield)

LIELE, JOYCE R., Associate Professor of Political Science (1985), B.A., M.A., Ph.D. (Johns Hopkins University)

LOCALBO, ANTHONY, Courtesy Clinical Assistant Professor of Psychology (2009), BA, MA, PhD (University of Alabama at Birmingham)

LOUGHER, BARRY A, Clinical Faculty, Health Services Administration; Courtesy Associate Professor of Medical Education D.D.S., M.S., Ph.D. (University of Florida)

MARATHE, SHIRAM, Courtesy Assistant Professor - Public Affairs (2007), B.S., M.S., M.B.A., Ph.D. (University of Central Florida)

MATIN, LAWRENCE, Professor, Public Administration and Public Affairs, Joint Appointment (2004), Ph.D. (Arizona State University)

MASUNOV, ARTEM, Secondary Joint Assistant Professor of FSEC and Physics (2009), BS, MS, PhD (The City University of New York)

MAYER, DAVID, Secondary Joint Appointment, Assistant Professor of Psychology (2005), B.S., M.S., PhD (University of Florida)

MCNEES, PATRICK, Courtesy Faculty Associate, School of Nursing (2002), University of Florida

MCPHERSON, BRENDA, Faculty Associate, Educational Studies (2003), 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)

MIHAL, FLORIN, Secondary Joint Assistant Professor (2009), MS, PhD (Florida State University)

MILLS, HARRY, Courtesy Clinical Assistant Professor of Psychology (2009), PhD (University of Southern Mississippi)

MORRIS, LORI JEDICA, Courtesy Research Associate Professor of Biology (2004), B.S., M.S., (College of William and Mary)

MUNDY, CAROL, Courtesy Culture Keeper (2009)

NADEAU, JEANETTE A., Secondary Joint Assistant Professor of Biomolecular Science Center (2003), Ph.D. (University of California, Davis)

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. (University of Arizona)

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, Professor of Biology (1994), B.S., M.A., PhD (University of California, Los Angeles)

OGDEN, JACQUELINE J., Assistant Research Professor of Biology (1999), B.S., 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)

ONG, GARY M., Clinical Faculty, Physical Therapy; Professor of Radiology M.D. (New York Medical College)

PARKINSON, CHRISTOPHER, Assistant Professor of Biology (2000), Ph.D. (University of Louisville)

PATTISAPU, JOGI, Courtesy Assistant 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)

PHANSTIEL, OTTO, Associate Professor of Chemistry (1995), Ph.D. (University of Florida)

PHILLIPS, RONALD L., Secondary Joint Professor of Optics & Photonics. (2004), B.S., M.S., Ph.D. (University of Rochester)

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)

PRITCHARD, ROBERT D., Professor of Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)

PROVENCHER, DAVID, Courtesy Faculty Research Associate (2009), SSE (University of Central Florida)

PURMENSKY, KERRY, Secondary Joint Associate Professor (2009), MS, PhD (Southern Illinois University)

REBURN, CATHARINE JEAN, Assistant Research Professor of Biology (2002), ESCH, MSc, Ph.D. (Queen's University)

REDFOO, WILLIAM, Research Associate in Biology (1999), B.A., M.A., M.S. (University of Central Florida)

REED, JOHN, Courtesy Professor, College of Medicine (2006), M.D., Ph.D., B.A. (University of Pennsylvania)

RICHARDSON, MARTIN, Professor of Optics (1990), B.S., A.R.C.S., Ph.D. (University of London)

SALISBURY, BRIAN, Courtesy Adjunct Faculty - Art (2008)

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 Universitaet Munich)

SCHUTZ, LARRY, Courtesy Clinical Professor (2007), Ph.D., ABPP
SELBY, THOMAS, Assistant Professor of Chemistry
(2002), Ph.D. (Ohio State University)

SHAH, MUBARAK A., Secondary Joint Professor of Optics and Photonics
(1989), 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)

SHERMAN, JAY DAVIN, Courtesy Adjunct Instructor
(2006), Ph.D. (Texas A&M University)

SHUGAN, STEVE, Professor, Marketing
(2003), (Northeastern University)

SHUNKER, RANDALL P., Secondary Joint Professor of Electrical & Computer Engineering
(2004), Ph.D. (University of Pennsylvania)

SILVAST, WILLIAM, Professor Emeritus of Optics
(1990), B.S., Ph.D. (University of Utah)

SILVER, PATRICIA, Courtesy Assistant Professor
(2009), MA, PhD (American University)

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.A., Ph.D. (University of Maryland)

SOILEAU, M. J., Secondary Joint Professor School 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)

SORLOACIA-HICKMAN, NICOLETA, Assistant Professor, Solar Energy and Secondary Joint Visiting Assistant Professor of NanoScience Technology
(2008), Ph.D., M.S., (Clemson University)

STAMPER, MICHAEL, Assistant Research Professor of Biology
(2002), B.S., D.V.M. (Purdue University)

STEPHAN, MICHELLE, Courtesy Graduate Faculty Scholar
(2009), BS, MS, EdD (Vanderbilt University)

STERN, ALAN, Courtesy Graduate Faculty Scholar
(2009), BS, BS, MS, PhD (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.

STREIFER, JAMIE, Courtesy Adjunct Instructor
(2009), BM, MM (University of South California)

SUKTHANKAR, RAHAL, Courtesy Research Scientist of Electrical Engineering & Computer Science
(2007), Ph.D. (Carnegie Mellon University)

SULLIVAN, JEROME L., Courtesy Associate Professor Biomolecular Science Center
(2006), M.D. (University of Florida College of Medicine)

SUMMERS, JUSTIN M., Courtesy Assistant Professor
(2008), Ph.D.

SWEENEY, PAUL D., Professor of Psychology
(1999), M.S., Ph.D. (Indiana University)

THOMPSON, CHARLES, Courtesy Associate Professor Biomolecular Science Center
(2006), M.D. (University of Miami School of Medicine)

VALDES, EDUARDO V., Associate Research Professor of Biology
(2002), M.S., Ph.D. (University of Guelph)

WAN, HAO, Courtesy Professor of Physics
(2009), Ph.D. (University of California, Berkeley)

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)

WESTERVEIL, MICHAEL, Courtesy Clinical Assistant Professor of Psychology
(2009), BS, PhD (Fairleigh Dickinson University)

WHEELER, RAYMOND, Professor, Biology
(2003), (Utah State University)

WHITCOMB, CARRIE, Professor of Forensic Science
(1999), B.S., M.S.F.S. (George Washington University)

WIEGAND, RUDOLF, Secondary Joint Assistant Professor of Electrical Engineering and Computer Science
(2007), Ph.D. (George Mason University)

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)

WOJCJAN, PAWEL, Secondary Joint Assistant Professor
(2009), MS, PhD (University of Karlsruhe)

WONG, BRIGHT, Courtesy Associate Professor of Biomolecular Science
(2006), B.S., MD (Boston University School of Medicine)

WU, SHIN-TSON, Secondary Joint Associate Professor of Electrical and Computer Engineering
(2004), B.S., Ph.D (University of Southern California)

WU, THOMAS XINZHANG, Secondary Joint Associate Professor
(2009), BS, MS, PhD (The Moore School of Electrical Engineering)

YOUNT, JIM, Courtesy Adjunct Instructor, Educational Studies
(2007), Ph.D. (Florida Institute of Technology)

ZARDA, P. RICHARD, Research Professor of Mechanical Engineering
B.A., B.S., M.S., Ph.D. (Columbia University)

ZHENG, CHANG, Courtesy Graduate Faculty Scholar
(2009), BE, MS, PhD (Chinese Academy of Science)

ZAIH, LEI, Secondary Joint Assistant Professor FSEC and MMAE
(2009), B.S., M.S., Ph.D. (Carnegie Mellon University)

ZHANG, NING, Secondary Joint Assistant Professor
(2008), MPA, MD, PhD (Virginia Commonwealth University, Shandong Medical University)

ZHOU, JIN JIAN, Clinical Faculty, Health Services Administration
(2003), M.B.A., M.D., Ph.D. (Oxford University)
CHASE, DIANE Z., Vice Provost, Academic Affairs, University 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, University Controller (2008),

COLOBURN, TREVOR, President Emeritus, Professor of History, and Special Assistant to the UCF Foundation Chief Executive Officer (1978), B.A., M.A., Ph.D. (Johns Hopkins University)

COLE, W. SCOTT, Vice President & General Counsel (2002), B.S. J.D. (University of Florida)

CRAWFORD, BRAD, Director, Campus Faiths and Ministries (1999), MBA, M.Div. (The Southern Baptist Theological Seminary)

DONEGAN, HELEN, Vice President for Community Relations (1995), B.A. (San Jose State University)

DORNEN, JOYCE E., Interim Vice Provost of Regional Campuses (1980), M.S.N. (University of Florida)

DRESSLER, SHERI, Director, Experiential Learning (1982), B.S., M.S.W., Ph.D. (University of Florida)


EHASZ, MARIBETH, Vice President for Student Development and Enrollment Services (1994), B.S., M.A., Ph.D. (University of Toledo)

EHNIN, SHARON L., Associate Vice President, Student Development and Enrollment Services (1990), B.A., M.P.A., Ed.D. (University of Central Florida)

EXUM, TERRY, Director, Student Services, Southern Region (2006), B.S., M.A. (Louisiana Tech University)

FERNANDEZ, JOSE, Dean, Professor of Spanish and History (1981), B.A., M.A., Ph.D. (Florida State University)

FORTIER, VANESSA, Associate Vice President, Finance (1998), B.S.B.A., M.B.A. (University of Central Florida)

FREDERICK, TERRY J., Associate Dean, College of Arts & Humanities, Professor of Digital Media, and Distanced Service Professor of Computer Science (1975), B.S., M.S., Ph.D. (University of Connecticut)

GARDNER, DAN, Director, Assessment, College of Medicine (2008), Ed.D. (Florida Atlantic University)

GERBERT, MATTHEW, Director, Knowledge Management, College of Medicine (2008), Ph.D. (University of Central Florida)

GERMAN, DEBORAH C., Dean, College of Medicine (2006), B.S., M.D. (Harvard Medical School)

GLASPIE, HENRY, Director, IT, College of Medicine (2005), 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)

GUMBLE, MARK, Director, Academic Services for Student Athletes (2005), B.A., M.A. (Binghampton University)

HALL, RHONDA C, Director, Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)

HALL, THOMAS, Director, Alcohol & Other Drug Programming (1991), B.S., M.S. (Florida State University)

HALPIN, SUSANNE M., Director, Student Union (1990), B.S. (Berkley College)

HARMES, ALFRED G., Vice President, Strategy, Marketing, Communications, and Admissions (2005), B.S., M.S. (Texas A&M University)

HARTMAN, JOEL L., Vice Provost, Information Technologies and Resources (1995), B.S., M.S., Ed.D. (University of Central Florida)

HARTZLER, CHRISTI A., Director, Housing and Residence Life (1982), B.A. M.Ed. (University of Miami)

HARTZLER, TERRENCE K., Associate Vice President, University Marketing (2005), B.S., M.B.A. (Rollins College)

HESTON, GRANT J., Assistant Vice President, News and Information (2007), B.S. (University of Florida)

HIGHT, JOHN C., President of the University, Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)

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 (1995), B.S., M.E.D., Ph.D. (Florida State University)


HUFF-CORZINE, LIN, Associate Vice Provost, Academic Affairs, and Professor of Sociology (1996), R.N., B.A., Ph.D. (Washington University in St.Louis)

JACKSON, WAYNE, Director, Multicultural Academic and Support Services (1981), 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)

JARRELL-COLE, MARGARET, Associate Vice President, Administration and Legal Counsel, UCF Foundation (2003), L.L.M., J.D. (University of Florida)

JONES, TRACY R., Assistant Dean, Graduate Admissions, Student Services, and recruiting, College of Graduate Studies (1995), B.A., M.A. (University of Central Florida)

KERNEK, LEE, Associate Vice President, Facilities and Safety (2007), B.S.M., M.P.A. (Harvard University)


KITTINGER JR., FRED R., Associate Vice President, University Relations (2003), B.A., M.S. (Florida State University)

LANEY, DAVID, Director, Business Affairs, UCF Regional Campuses (2008),

LARKIN, ROBERT, Director, Admissions, College of Medicine (2007), B.A. (University of South Florida)

LARTONNO, PAUL F., Assistant Dean of Research and Academic Issues B.A., M.F.A. (Lindenwood University)

LAUREANO, GLORIA, Assistant Vice President and Director, First Year Advising & Explorations (1993), B.A., M.A., Ed.D. (University of Central Florida)

LYONS-OTEN, TERESA, Registrar, College of Medicine (2007), B.S. (Tennessee State University)

MacKOWN, PATRICIA A., Assistant Vice President, Director, Office of Student Rights and Responsibilities and Director, Student Legal Services (1979), B.A., M.A. (University of Central Florida)

MADSEN, RUTHANNE, Director, Financial Services, College of Medicine (2007), M.A., Ed.D. (Nova Southeastern University)

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
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<tr>
<td>Marrett, Caroline</td>
<td>Director, Toni Jennings Exceptional Education Institute</td>
<td>(2007), B.S., M.A., Ph.D. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Mason, Gregory S.</td>
<td>Director, Fraternity &amp; Sorority Housing and Development</td>
<td>(1990), B.A., M.S. (Indiana University)</td>
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<tr>
<td>McKinney, Mary</td>
<td>Executive Director, Student Financial Assistance</td>
<td>(1971), B.S., M.P.A. (University of Central Florida)</td>
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<tr>
<td>Meador, David</td>
<td>Associate Vice President and Director, UCF Heathrow and UCF Sanford/Lake Mary</td>
<td>(1980), B.S., Ph.D. (University of Georgia)</td>
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<tr>
<td>Merck, William F.</td>
<td>Vice President for Administration and Finance, and CFO</td>
<td>(1990), B.A., M.B.A. (Georgia State University)</td>
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<tr>
<td>Messina, Thomas</td>
<td>Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association</td>
<td>(1992), B.S., M.B.A. (Emory Riddle Aeronautical University)</td>
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<tr>
<td>Minana, Kim A.</td>
<td>Assistant Vice President for Major Gifts and Director, Corporate and Foundation Relations</td>
<td>(1995), B.A. (University of Central Florida)</td>
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<tr>
<td>Modiano, David</td>
<td>Associate Vice President, Strategic Planning</td>
<td>(2006), B.S. Ed. (Pittsburgh State University)</td>
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<tr>
<td>Monroe, Judith E.</td>
<td>Associate Vice President, University Support</td>
<td>(1976), B.S., M.A. (University of Central Florida)</td>
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<tr>
<td>Moore, Rhonda</td>
<td>Director, Creative School for Children</td>
<td>(2010), B.A., M.Ed. (Virginia Commonwealth University)</td>
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<tr>
<td>Neighbor, J. Edward</td>
<td>Vice Provost, Academic Administrative Systems, and Professor of Physics</td>
<td>(1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)</td>
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<tr>
<td>Norvell, David</td>
<td>Director, Sustainability and Energy</td>
<td>(2001), B.S.M.E. (University of Central Florida)</td>
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<td>O'Neal, Thomas P.</td>
<td>Associate Vice President, Research &amp; Commercialization, and Director, UCF Technology Incubator and Secondary Joint Associate Professor of Industrial Engineering &amp; Management Systems</td>
<td>(1991), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)</td>
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<tr>
<td>Ohara, Barbara</td>
<td>Director, Health Sciences Campus Operations, College of Medicine</td>
<td>(2009), R.P.A. (Rollins College)</td>
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<tr>
<td>Orelli, Steve</td>
<td>Director, Finance and Accounting, College of Medicine</td>
<td>(2008), M.B.A. (University of North Carolina)</td>
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<tr>
<td>Oro, Genna</td>
<td>Assistant Vice President, Community Relations</td>
<td>(1969), B.A. (University of Central Florida)</td>
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<tr>
<td>Pates, Patricia</td>
<td>Director, Research, Grants, and Evaluation</td>
<td>(1996), B.A., M.A., EdS. (University of Louisville)</td>
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<tr>
<td>Pavlounis, David</td>
<td>Assistant Vice President and Director, SDHE-OFFICE of Budget &amp; Personnel</td>
<td>(1998), B.S., M.S. (University of Tennessee)</td>
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<tr>
<td>Payne, Richard S.</td>
<td>Assistant Vice President, Administrative Services</td>
<td>(2002), B.S., M.B.A. (University of Central Florida)</td>
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<td>Peppler, Richard D.</td>
<td>Associate Dean, Faculty and Academic Affairs, College of Medicine</td>
<td>(2007), B.A., Ph.D. (University of Kansas)</td>
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<tr>
<td>Perry, Anthony</td>
<td>Director, Rouse College of Hospital Management Student Life</td>
<td>(2002), B.A., M.Ed., M.S. (University of Louisville)</td>
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<tr>
<td>Peterson, Angela</td>
<td>Assistant Vice President, Admissions, Enrollment Services, and Marketing UCF Regional Campuses</td>
<td>(2005), B.S., M.S. Ed. (Pittsburg State University)</td>
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<td>Pirotte, Anna</td>
<td>Director, Constituent Relations</td>
<td>(1998), B.A., M.A. (University of Central Florida)</td>
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<td>Piety, Rebecca</td>
<td>Director, University Testing Services</td>
<td>(1998), B.A., M.A. (University of Central Florida)</td>
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<td>Pittmann, John</td>
<td>Director, Financial Services</td>
<td>(2000), B.S., M.S. (University of Central Florida)</td>
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<td>Poisel, Mark Allen</td>
<td>Associate Vice President, Student Development and Enrollment Services</td>
<td>(1999), B.S., M.S., EdS., EdD. (Florida State University)</td>
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<tr>
<td>Poole, Max C.</td>
<td>Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences</td>
<td>(2005), B.S., Ph.D. (Medical College of Georgia)</td>
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<tr>
<td>Priest, DeLaine</td>
<td>Associate Vice President, Student Development and Enrollment Services</td>
<td>(1984), B.A., M.A. (University of Alabama-Birmingham)</td>
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<td>Puskas, Raymond</td>
<td>Director, Purchasing</td>
<td>(1988), B.A. (University of Connecticut)</td>
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<td>Range, James A.</td>
<td>Assistant Vice President, Regional Campus Student Services</td>
<td>(1994), B.S., M.Ed. (Florida A&amp;M University)</td>
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<tr>
<td>Rea, Pamela</td>
<td>Director, Student Disability Services</td>
<td>(2000), B.A., M.Ed. (National-Louis University)</td>
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<td>Redick, Alzo J.</td>
<td>Director, Special Programs and Defense Transition Services</td>
<td>(1990), B.S., M.E., EdD. (Nova University)</td>
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<td>Reed, Hal C.</td>
<td>Assistant Vice President for Planned Giving</td>
<td>(2000), B.A., J.D. (University of Kansas)</td>
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<td>Ritchie, Joe</td>
<td>Executive Director, First Year Experience</td>
<td>(2004), B.A., M.A. (Indiana University of PA)</td>
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<tr>
<td>Rivers, Cecelia H.</td>
<td>Assistant Vice President, UCF Leesburg, UCF Ocala, and UCF South Lake, UCF Regional Campuses</td>
<td>(1981), B.A., M.A., EdD. (University of Central Florida)</td>
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<td>Roberts, Mark A.</td>
<td>Director, Human Resources</td>
<td>(1986), B.A., M.A. (Central Michigan University)</td>
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<td>Sawyer, Curtis</td>
<td>Director, Business Services</td>
<td>(2007), B.S. (United States Military Academy)</td>
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<td>Schell, John F.</td>
<td>Vice President and Chief of Staff, Office of the President, and Professor of English</td>
<td>(1987), B.A., M.A., Ph.D. (Vanderbilt University)</td>
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<td>Schneider, Kimberly</td>
<td>Director, Undergraduate Research</td>
<td>(2007), B.S., Ph.D. (University of South Carolina)</td>
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<td>Schons, Edward L.</td>
<td>Director, University Economic Development, University Relations</td>
<td>(2000), B.S., M.A. (University of Pennsylvania)</td>
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<tr>
<td>Schuckman, Gregory A.</td>
<td>Assistant Vice President, Director, Federal Relations, University Relations</td>
<td>(2000), B.S. (Florida Southern College)</td>
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<tr>
<td>Shiver, Lauren A.</td>
<td>Assistant Vice President for Advancement Services</td>
<td>(2002), A.A., B.B.A., M.B.A. (Valdosta State University)</td>
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<td>Simaan, Marwan</td>
<td>Dean College of Engineering and Computer Science</td>
<td>(2008), Ph.D. (University of Illinois at Urbana-Champaign), P.E</td>
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<tr>
<td>Singh, Krishna</td>
<td>Director, Parking &amp; Transportation Services</td>
<td>(1993), B.A. (University of Central Florida)</td>
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<td>Smith, Soraya</td>
<td>Director, Student Affairs, College of Medicine</td>
<td>(2009), M.B.A. (University of Central Florida)</td>
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<tr>
<td>Snow, Robert</td>
<td>Director, Sophomore and Second Year Center</td>
<td>(1987), B.S., M.S. (Shippensburg University Pennsylvania)</td>
<td></td>
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<tr>
<td>Soileau, Marion</td>
<td>Vice President, Research &amp; Commercialization and Professor of Optics &amp; ECECS</td>
<td>(1987), B.S., M.S., Ph.D. (University of Southern California)</td>
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<tr>
<td>Stebbins, Consuelo</td>
<td>Assistant Vice President for Internationalization</td>
<td>(1987), B.A., M.A., Ph.D. (Florida State University)</td>
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<tr>
<td>Stern, Michael J.</td>
<td>Associate Dean, College of Graduate Studies, Professor of Biology</td>
<td>(2007), B.S., Ph.D. (University of California at Berkeley)</td>
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<tr>
<td>Stinard, Charlene</td>
<td>Director, Transfer &amp; Transition Services</td>
<td>(1990), B.A., M.A. (Columbia University)</td>
<td></td>
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<tr>
<td>Sucher, Cynthia</td>
<td>Associate Vice President, Community Relations</td>
<td>(2000), B.A. (University of Central Florida)</td>
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<tr>
<td>Sweaney, Michael J.</td>
<td>Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology</td>
<td>(1972), Ph.D. (Temple University School of Medicine)</td>
<td></td>
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<tr>
<td>Sweet, Haven C.</td>
<td>Associate Dean, College of Sciences, and Professor Emeritus of Biology</td>
<td>(1971), B.S., Ph.D. (Syracuse University)</td>
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<tr>
<td>Thomas, Carlee</td>
<td>Director, Development, Burnett School, College of Medicine</td>
<td>(2008), M.A. (University of Central Florida)</td>
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<tr>
<td>Trees, Diane</td>
<td>Associate Vice President, Community Relations and Metropolitan Center for Regional Studies</td>
<td>(1994), B.S., B.S.N., M.S. (University of Central Florida)</td>
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<tr>
<td>Tribble, Keith</td>
<td>Director, Athletics and Executive Vice President of UCF Athletics Association</td>
<td>(2006), B.S. (University of Florida)</td>
<td></td>
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<tr>
<td>Truman, Barbara</td>
<td>Director, Course Development and Web Services</td>
<td>(1996), B.A. (University of Central Florida)</td>
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<tr>
<td>Vaidyanathan, Pallavoo N.</td>
<td>Assistant Vice President for Research</td>
<td>(1999), B.S., B.E., M.Sc., M.B.A. (University of Florida)</td>
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<td>Vazquez, Jose</td>
<td>Interim Director, Environmental Health and Safety</td>
<td>(1994), B.A., M.A. (University of Wyoming)</td>
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<tr>
<td>Vettes, Elliott</td>
<td>Interim Vice Provost and Dean of Undergraduate Studies</td>
<td>(1985), B.A., M.A., Ph.D. (University of Massachusetts)</td>
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<td>Voelker, Amy</td>
<td>Executive Director, University Audit</td>
<td>(1990), B.S., M.P.A. (University of Central Florida)</td>
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<tr>
<td>Wagner, Patrick</td>
<td>Assistant Vice President for Academic Services, Continuing Education</td>
<td>(1997), B.S., M.S., Ph.D. (University of Wisconsin-Madison)</td>
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<tr>
<td>Watson, Jimly</td>
<td>Assistant Vice President, Off Campus Student Services</td>
<td>(2008), B.A., M.Ed., Ph.D. (Columbia Commonwealth University)</td>
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<tr>
<td>Watson, Montel J.</td>
<td>Director, UCF Physical Plant</td>
<td>(1994), B.A., M.B.A. (Loyola University of Chicago)</td>
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<tr>
<td>Weidman, Dania</td>
<td>Director, Student Services, Eastern Region</td>
<td>(1984), B.S., M.A., EdD. (University of Central Florida)</td>
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<tr>
<td>Welch, Kerry</td>
<td>Assistant Vice President and Director, Office of Student Involvement</td>
<td>(2004), B.A., M.A., EdD. (University of Cincinnati)</td>
<td></td>
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<tr>
<td>Wilkening, James</td>
<td>Director, Recreation and Wellness Center</td>
<td>(1992), B.S.B.A., M.A.T. (University of Louisville)</td>
<td></td>
</tr>
</tbody>
</table>
UCF Administrative Officers and Staff


WIRAG, J. ROBERT, Director, Health Services (2006), B.S., M.S., H.S.D. (Indiana University)

YANCKELLO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed. (Pennsylvania State University)

YOUNG, DENISE L., Associate Vice President and Director UCF Cocoa and UCF Palm Bay (1990), B.A., M.S.W., Ph.D. (University of Michigan)
<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Degree</th>
<th>Date</th>
<th>Name</th>
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</tr>
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<tbody>
<tr>
<td>May 1985</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
<td>December 2009</td>
<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>May 1991</td>
<td>Roald Hoffman, Doctor of Science</td>
<td>May 2010</td>
<td>James R. Young, Doctor of Public Service</td>
<td></td>
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</tr>
</tbody>
</table>
A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. An A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to add courses after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

AEP: Academic Exploration Program to assist undecided students.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): Computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration

CECS: College of Engineering and Computer Science

Certificate: special program of study supplemental to a major.

Ci: consent of instructor.

Class Schedule Search: a component of the online myUCF system (https://my.ucf.edu) that lists courses and class sections offered each academic term.

CLAS: College Level Academic Skills: CLAS is a required statewide measurement of selected communication and mathematics skills.

CLAS Alternative: refers to another way of satisfying one or more subtests of the CLAS requirement through combination test scores (SAT or ACT) and specific course grades.

COE: College of Education.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are ten colleges at UCF: Arts and Humanities (CAH), Business Administration (CBA), Education (COE), Engineering and Computer Science (CECS), Health and Public Affairs (COHPA), Medicine (COM), Nursing (CON), Optics and Photonics (COP), The Burnett Honors College (TBHC), Rosen College of Hospitality Management (RHM), and Sciences (COS).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study. The program, must be accepted by all state universities and must be applied towards the degree.

CON: College of Nursing.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: A computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student's prior consent, unless the student has filed a "Directory Disclosure/Release Authorization Form" with the Registrar's Office. Directory Information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes' height and weight.

Disqualified: a student on academic probation is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student's permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/minor.

E-mail: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges' advising offices.

Enrollment Certification: an official University document that provides a student's enrollment history including status, dates enrolled, and degrees awarded, available online at https://my.ucf.edu in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for “First Time In College,” referring to those students who have completed fewer than 12 semester hours and currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the Fall and Spring and Summer terms.

FYAE: First Year Advising and Exploration.

GEP: General Education Program. Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student's life.
Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of “C-” (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.

Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in a student’s academic career).

Grade Point Deficiency: for re-admission 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 re-admission.

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