The UCF Creed

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

Integrity
I will practice and defend academic and personal honesty.

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

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

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

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

University of Central Florida

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

UCF Stands For Opportunity
Mission Statement

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

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 188,000 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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Assistant Vice President, News and Information ...................... Grant J. Heston
Assistant Vice President, Administrative Services ..................... Richard Payne
Assistant Vice President, Admissions, Regional Campuses ............. Stacey Pearson
Executive Director, Student Financial Assistance ............... Mary H. McKinley
Assistant Vice President, Institutional Knowledge Management .................. Paige Borden
Director, Student Outreach Programs ................................. W. Duncan Hall
Director, Operational Excellence and Assessment Support ............... Patrice Lancy
Director, University Analysis and Planning Support .................. Sandra Archer
## SUMMER 2011 ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Summer 2011</th>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
<th>Session D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>May 16 - June 24</td>
<td>June 27 - August 5</td>
<td>May 16 - August 5</td>
<td>May 16 - July 15</td>
</tr>
<tr>
<td></td>
<td>6 Weeks</td>
<td>6 Weeks</td>
<td>12 Weeks</td>
<td>9 Weeks</td>
</tr>
<tr>
<td>Application Deadline for All New Undergraduates</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>Mar. 9 - Apr. 25</td>
<td>Mar. 9 - Apr. 25</td>
<td>Mar. 9 - Apr. 25</td>
<td>Mar. 9 - Apr. 25</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>April 29</td>
<td>June 17</td>
<td>April 29</td>
<td>N/A</td>
</tr>
<tr>
<td>Registration 1,2 on myUCF</td>
<td>Mar. 21 - May 15</td>
<td>Mar. 21 - June 26</td>
<td>Mar. 21 - May 15</td>
<td>Mar. 21 - May 15</td>
</tr>
<tr>
<td>Registration for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>May 13</td>
<td>June 24</td>
<td>May 13</td>
<td>May 13</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>May 13</td>
<td>June 24</td>
<td>May 13</td>
<td>May 13</td>
</tr>
<tr>
<td>On-campus Housing opens</td>
<td>May 15</td>
<td>June 25</td>
<td>May 15</td>
<td>N/A</td>
</tr>
<tr>
<td>Classes begin</td>
<td>May 16</td>
<td>June 27</td>
<td>May 16</td>
<td>May 16</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 19</td>
<td>June 30</td>
<td>May 19</td>
<td>May 19</td>
</tr>
<tr>
<td>Late Registration 1,2 on myUCF (ends at 11:59 p.m. on last day)</td>
<td>May 16-20</td>
<td>June 27 - July 1</td>
<td>May 16-20</td>
<td>May 16-20</td>
</tr>
<tr>
<td>Last Day for Full Refund</td>
<td>May 19</td>
<td>June 30</td>
<td>May 19</td>
<td>May 19</td>
</tr>
<tr>
<td>Add 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>Payment Deadline 2</td>
<td>May 27, 2011 - Students registering from 3/21/11 through 5/20/11</td>
<td>July 8, 2011 - Students registering for Summer B only 5/21/11 through 7/01/11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 3</td>
<td>July 15</td>
<td>June 24</td>
<td>June 10</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>June 3</td>
<td>July 15</td>
<td>June 24</td>
<td>June 10</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline 2</td>
<td>July 29</td>
<td>July 29</td>
<td>July 29</td>
<td>July 29</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>July 1</td>
<td>August 5</td>
<td>July 1</td>
<td>July 1</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete 3</td>
<td>June 24</td>
<td>August 5</td>
<td>August 5</td>
<td>July 15</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>Given during last class meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-campus Housing closes</td>
<td>June 25</td>
<td>August 5</td>
<td>August 5</td>
<td>N/A</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>June 29</td>
<td>August 10</td>
<td>August 10</td>
<td>July 20</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>June 30</td>
<td>August 12</td>
<td>August 12</td>
<td>July 21</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 6</td>
<td>August 6</td>
<td>August 6</td>
<td>August 6</td>
</tr>
</tbody>
</table>

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

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

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

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

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

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

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### University Holidays and Special Events

- **Memorial Day Holiday** .................................................. May 30, 2011
- **Independence Day Holiday** ............................................. July 4, 2011
### 2011 - 2012 FALL/SPRING ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2011</th>
<th>Spring 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 1, 2011</td>
</tr>
<tr>
<td>Application Deadline for All New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2011</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2011</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>November 1, 2011</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadlines</td>
<td>July 15</td>
<td>December 1, 2011</td>
</tr>
<tr>
<td>Registration on myUCF</td>
<td>March 21 - August 21</td>
<td>Mar. 21, 2011 - Jan. 8 and</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oct. 24, 2011 - Jan. 8</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>August 5</td>
<td>December 9, 2011</td>
</tr>
<tr>
<td>Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>August 19</td>
<td>January 6</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>August 19</td>
<td>January 6</td>
</tr>
<tr>
<td>On-campus Housing opens</td>
<td>August 19</td>
<td>January 7</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 22</td>
<td>January 9</td>
</tr>
<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 22-26</td>
<td>January 9-13</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 25</td>
<td>January 12</td>
</tr>
<tr>
<td>Last Day for Full Refund</td>
<td>August 25</td>
<td>January 12</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 26</td>
<td>January 13</td>
</tr>
<tr>
<td>Payment deadline</td>
<td>September 2</td>
<td>January 20</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 10-21</td>
<td>October 10-21, 2011</td>
</tr>
<tr>
<td>Last Day to Reinstall Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>October 14</td>
<td>March 2</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 14</td>
<td>March 2</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 14</td>
<td>March 2</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline</td>
<td>November 18</td>
<td>March 30</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
<td>December 3</td>
<td>April 23</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 5-10</td>
<td>April 24-30</td>
</tr>
<tr>
<td>On-campus Housing closes (noon)</td>
<td>December 11</td>
<td>May 1</td>
</tr>
<tr>
<td>Grades Due on myUCF (noon)</td>
<td>December 14</td>
<td>May 3</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 15</td>
<td>May 4</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 15-16</td>
<td>May 4-5</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 16</td>
<td>May 5</td>
</tr>
</tbody>
</table>

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

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

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

1. $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.
2. $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
3. Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to “F”.
4. Under Multiple Term Registration, undergraduates with a declared major and UCF GPA of 3.5 or higher (and junior/senior level students who have completed all sections of the CLAS) will receive their appointment dates and times for Summer 2011, Fall 2011 and Spring 2012 beginning February 28, 2011. Registration for these students will begin on or after March 21, 2011. All other eligible students will receive their registration times beginning October 10, 2011 and Spring registration for these students will begin on or after October 24, 2011.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>September 5, 2011</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>October 22-30, 2011</td>
</tr>
<tr>
<td>Homecoming Game - vs. Memphis</td>
<td>October 29, 2011</td>
</tr>
<tr>
<td>Veterans Day Holiday</td>
<td>November 11, 2011</td>
</tr>
<tr>
<td>Thanksgiving Holidays</td>
<td>November 24-26, 2011</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 16, 2012</td>
</tr>
<tr>
<td>Spring Break (campus offices still open)</td>
<td>March 5-10, 2012</td>
</tr>
<tr>
<td>Founder’s Day Honors Convocation (classes still held)</td>
<td>April 4, 2012</td>
</tr>
</tbody>
</table>
University Notices

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

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

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

Sexual harassment, a form of sex discrimination, is defined as unwel-
come sexual advances, requests for sexual favors, or verbal or physical
conduct of a sexual nature when:
1. Submission to such conduct is made either explicitly or implicitly a
term or condition of an individual’s employment or enrollment;
2. Submission to or rejection of such conduct by an individual is used
as the basis for employment or enrollment decisions affecting such
individual; or
3. Such conduct has the purpose or effect of substantially interfering
with an individual’s work performance or enrollment, or creating an
intimidating, hostile, or offensive working or academic environment.

Sexual harassment is strictly prohibited. Occurrences will be dealt with in
accordance with the guidelines above and University rules. Employees,
students, or applicants for employment or admission may obtain further
information on this policy, including grievance procedures, from the
Equity Coordinator. The Director of the Office of Equal Opportunity and
Affirmative Action Programs is the campus Equity Coordinator respon-
sible for concerns in all areas of discrimination. The office is located on
the Orlando campus, in Millikan Hall 330, Orlando, FL 32816-0030. The
phone number is 407-UCF-1EEE. Policies and guidelines are available online
at http://www.eeo.ucf.edu/.

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

Campus Alcoholic Beverages Policy
The sale, service, possession and consumption of alcoholic beverages
shall comply with state and federal laws, city and county ordinances,
and the licensing agreement with on-campus distributors which allows
for the sale and service of alcoholic beverages. In addition the University
has formulated the following policies governing the sale, service, pos-
session and consumption of alcoholic beverages on campus. Refer to
University of Central Florida Policy “Alcoholic Beverages on Campus
3-115.1 for further information.

Guidelines
The sale and service of alcoholic beverages to persons younger than
21 years of age is prohibited. Possession or consumption of alcoholic
beverages is prohibited by persons younger than 21 years of age.

Possession and consumption of alcoholic beverages in open or
unsealed containers is prohibited except in designated areas or as
approved with special event permits.

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

Student organizations may develop more stringent regulations regard-
ing alcohol use.

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

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

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

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

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

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

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

Note: A student who has assisted another in any of the aforementioned
behavior of standards shall be held accountable for the sale and service of
alcoholic beverages. In addition the University has formulated the following
policies governing the sale, service, pos-
session and consumption of alcoholic beverages on campus. Refer to
University of Central Florida Policy “Alcoholic Beverages on Campus
3-115.1 for further information.
Student Use of Technology
The University of Central Florida expects all students to have ready access to a personal computer and software appropriate to his or her field of study. Students can meet this expectation by purchasing or leasing a computer, sharing a computer with family or roommates, or using a UCF computer lab.

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

The University of Central Florida has developed one of the nation’s most advanced campus technology environments, and all UCF students are provided a 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 Website at http://cstore.ucf.edu/graphics/ComputerRecommendations.pdf.

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

Student Responsibility for University Communication
UCF uses e-mail as the official means of notifying students of important information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items. The University sends all business-related and academic messages to a student’s Knights 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 (servicedesk@ucf.edu or 407-823-5117).

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 communication fails to 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 named Florida Technological University. The name was changed by action of the Florida Legislature on December 6, 1978.

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

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

CENTRAL FLORIDA/CAMPUSES

407-823-2000
http://www.ucf.edu
UCF Stands For Opportunity: The University of Central Florida is
a major metropolitan research university located in one of the most
popular cities in the world. A growing and dynamic university, UCF
opened the College of Medicine in 2009, and it is the centerpiece
of the burgeoning medical city at Lake Nona. In 2010, UCF opened
the School of Performing Arts in the new on-campus Performing Arts
Center, and in 2011, UCF became one of 40 public universities earning the Carnegie Foundation’s highest designation in two categories:
community engagement and research activity.
The University of Central Florida is comprised of twelve colleges supporting more than 56,000 students that attend classes on UCF’s main
Orlando campus and its 10 regional campuses.
UCF offers 216 degree programs and is an academic and research
leader in numerous fields, such as optics, modeling and simulation,
engineering and computer science, business administration, education, the sciences including biomedical sciences, hospitality management and digital media.
UCF annually ranks in the top 50 universities nationwide for the
number of National Merit Scholars in its freshman class with the vast
majority enrolled in the Burnett Honors College.
The main campus stretches 1,415-acres and provides modern facilities. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, dental services, a pharmacy, a medical
laboratory and physical therapy services.
The Student Union has computer labs, study lounges, ballrooms and
meeting rooms, popular eating establishments and a small shopping
mall. Students also enjoy a 149,000-square-foot Recreation and
Wellness Center complete with a three-story climbing wall, an indoor
track and fitness equipment.
The main campus manages 800 acres of natural ecosystems resulting
in habitats for more than 45 unique animal species.
Housing includes on-campus residence halls and affiliated apartments
for almost 8,000 students. And the 10,000-seat UCF Arena and a
45,000-seat on-campus football stadium were opened in 2007.
UCF promotes a diverse and inclusive environment. Students come
from all 50 states and over 140 countries. Study abroad programs
allow students to study and conduct research with 98 institutions in
36 countries. Students at UCF have been recog-nized throughout
the world and include recipients of Rhodes, Mellon and Goldwater
scholarships.
In 2009-10, UCF professors received $133 million in research funding
and have accrued over $1.0 billion in research-related funding since
2000. Distinctive programs extend learning beyond the classroom
and include leadership programs, study abroad, cooperative education, mentorships, internships, service learning and paid research
positions.

Center for Distributed Learning
Assistant Vice President: Thomas B. Cavanagh
UCF Center for Distributed Learning, 3100 Technology Parkway,
Orlando, 32826; 407-823-4910
http://online.ucf.edu/
The Center for Distributed Learning provides opportunities for students to enroll in credit courses and selected degree and certificate
programs delivered over the Internet through Online@UCF. The
instructional design of these courses maintains a high-quality learning environment for both nontraditional and campus-based students.
Online courses are identified in the Class Schedule Search available
at https://my.ucf.edu/. In the “Additional Search Criteria” section use
the drop-down list next to “Mode of Instruction” to search for the values
described below.
Online instruction modes are:
WORLD WIDE WEB (W): These are courses conducted via webbased instruction and collaboration. Some courses may require minimal campus attendance or in-person/proctored examinations.
MIXED-MODE/REDUCED SEAT TIME (M): These courses include
both required classroom attendance and online instruction. All M
classes have substantial activity conducted over the web, which substitutes for some classroom meetings.
VIDEO STREAMING (V): These are courses delivered over the web
via streaming digital video, which may be supplemented by additional
web activity, projects, or exams.

UNIVERSITY OF CENTRAL FLORIDA

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

Regional Campuses
http://www.regionalcampuses.ucf.edu
The University of Central Florida offers an opportunity to complete a
number of programs through UCF Regional Campuses. Strategically
located within an 80-mile radius of the UCF Orlando campus, the
multiple non-residential locations partner with six Florida community/
state colleges, fostering seamless and convenient advancement from
completion of an A.A. or A.S. degree to upper-level division work on a
baccalaureate degree. Programs include 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 Palm Bay, 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 (junior and senior level) contributing to undergraduate and
graduate degrees in a variety of disciplines within the university. At
UCF Regional Campuses students may register full-time or part-time
for courses at any of the locations without additional paperwork. For
the most current information on any of the multiple UCF Regional
Campus locations, programs or class schedules, check the website at

Administration
UCF Regional Campuses Administration
12201 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 . . . . . . . . . . . . . . . . . . . . . . Stephen Holmes
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
Associate Vice President, Regional Campus Transfer
Admission & Enrollment/Marketing. . . . . . . . . . . . .Angé Peterson

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Director, RC Enrollment Services ........................... Deborah Bradford
Marketing Account Executive ............................... Michelle Fuentes
Web Designer ....................................................... Tony Recascino
College/Division IT Manager ......................... Kirk Henry
Senior Multimedia Specialist ......................... Calston Llewellyn
Director, Academic Advising ......................... Helen Hill
Coordinator, Academic Advising Services II ........ TBA
Associate Vice President, Business Affairs and Operations .......... David Laney
Administrative Assistant .................................. Jeanette Holder
Director, Academic Support Services ............... Joe Schofield
Director, Library Services ................................. Cynthia Kisyb
Senior Art Specialist ........................................ Mary Lou Wade

Campuses
UCF Valencia West, UCF South Orlando, UCF Valencia Osceola
Director, Academic Support Services .................. Edgar Martinez
Administrative Assistant ................................. Jacqueline Diaz
Assistant Director, Enrollment Services ............... Chris Fletcher
Coordinator, Enrollment Services .................... Shelle Thomas-Small
Coordinator, Academic Advising Services I ........ Carol Black
Coordinator, Academic Advising Services II ........ Chris Miller
Coordinator, Academic Advising Services III ......... Celena Lue
Coordinator, Academic Advising Services IV .......... Lisa Cruz
Coordinator, Academic Advising Services V .......... Melissa Hanbery
Coordinator, Academic Advising Services VI ........................................... TBA
Coordinator, Academic Advising Services VII .................. David Berland

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

UCF Sanford/Lake Mary, UCF Altamonte
Associate VP and Director, UCF Sanford/Lake Mary and UCF Altamonte Springs .......................... David Meaor
Associate Director, Academic Support Services .... Sean Armstrong
Administrative Assistant .................................. Debbie Copertino
Coordinator, Enrollment Services .................... Pamela Williams
Coordinator, Academic Advising Services I ........ Jackie West-Lee
Coordinator, Academic Advising Services II ........ Andrea Velez-Vazquez
Coordinator, Academic Advising Services III .......... Michelle Cameron
Department IT Manager ................................. Jerry Frano

UCF Cocoa, UCF Palm Bay
Associate Vice President, Academic Affairs and Interim Campus Director, Cocoa/Palm Bay ........ Denise Young
Director, Academic Support Services ............ Lauren Miller
Director, Regional Campus Student Services .......... Terry Exum
Coordinator, Regional Campus Student Services ... James C. Smith, Jr.
Assistant Director, Enrollment Services ............... Kristina Watkins
Coordinator, Enrollment Services .................... Nick Pantoni
Assistant Director, Academic Support Services ........ Sonya Curti
Coordinator, Academic Advising Services I ........ Angel Edgecombe
Coordinator, Academic Advising Services II ........ Angela Jones
Coordinator, Academic Advising Services III .......... Shakira Guice
Coordinator, Academic Advising Services IV .......... John King
Coordinator, Academic Advising Services V ........ Sheryl Schagen
Department IT Manager ................................. Sue Sorenson

UCF South Lake, UCF Ocala, UCF Leesburg
Assitant VP, Business, Academic Affairs ............ Cecelia Rivers
Associate Director, Academic Support Services ...... Tanya Armstrong
Administrative Assistant .................................. Lilia Reyes
Director, Regional Campus Student Services ........ Pamela Brady
Assistant Director, Enrollment Services ................. Christy Pasinisi
Coordinator, Enrollment Services .................... Thomas Silarek
Coordinator, Academic Advising Services I ........ Selena Forrester
Coordinator, Academic Advising Services II ........ Robin Tinsley
Coordinator, Academic Advising Services III .......... Bethany Larson
Coordinator, Academic Advising Services IV ........ Scott Larson
Department IT Manager ................................. Mei Wong

University of Central Florida/Campuses

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

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

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

Graduate Degree Programs
Applied Sociology (M.A.) College of Sciences
Criminal Justice (M.S.) College of Health and Public Affairs
Health Services Administration (M.S.) College of Health and Public Affairs
Industrial Engineering and Management Systems (M.S.) College of Engineering and Computer Science (Cohort)
Public Administration (M.P.A.) College of Health and Public Affairs

UCF Daytona
386-506-4021
(In partnership with Daytona State College)

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

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

Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Early Childhood Education
English - 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
Clinical Psychology (M.A.) College of Sciences
Criminal Justice (M.S.) College of Health and Public Affairs
Health Sciences: Health Services Administration (M.S.) College of Health and Public Affairs
Social Work (M.S.W.) College of Health and Public Affairs

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

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

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

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

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Information Technology, and Supervision and Administration
Elementary Education (B.S.) College of Education (Cohort)
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor for details)
Nursing (R.N. to B.S.N.) College of Nursing
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

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

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

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

Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor for details)
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

Undergraduate Minors
Business (for non-business majors)
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
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.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Early Childhood Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Interpersonal/Organizational Communication (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

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

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

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Criminal Justice (B.A., B.S.) College of Health & Public Affairs
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Legal Studies
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

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governing body of the Research Park is the Orange County Research and Development Authority.

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

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

The Central Florida Research Park consists of over 1,000 acres of land. Businesses desiring a “university relationship” can purchase or lease land in the Research Park on which to construct a facility or can lease space for office, office/lab, or light manufacturing activities.

Research Park tenants are involved with the University of Central Florida through sponsored research, using faculty as consultants, and using graduate and undergraduate students for intern programs and part-time employment. Research Park tenants can also contract with the University for use of the library, computer resources, and laboratory facilities. Cooperative projects range from technical research to developing business plans and employee training programs.

**Endowed Chairs**

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

Phillips-Schenck Chair in American Private Enterprise: Created in 1980 as the focal point for a continual dialouge 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 frontier 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 to support the work of an internationally recognized scholar in laser and optical sciences. Chair: TBA.

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

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

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

Bert Fish Memorial Eminent Scholar Chair: Created in 1990 to establish an endowed chair in nursing education. This is the first chair to be established at the Daytona Campus. It is designed to improve nursing education and ease the shortage of nurses. Chair: Angeline A. Bushey.


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

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

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

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

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

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

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

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

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

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

Beat M. and Jill L. Kahl 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 Chair in Nursing: Created in 1996 to support a key faculty member of distinguished reputation who will engage in teaching, research, and scholarly activities relating to nursing. Chair: Karen Aroian.

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

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

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

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

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

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

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

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

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

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

FL Hospital Endowed Chair in Nursing Simulation: Created in 2010 to attract an endowed chair in the College of Nursing that supports simulation in nursing. Chair: TBA.

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

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

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

University Ombuds Office

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

The Ombuds Office is an informal, impartial, independent and confidential resource for all members of the University community. It is not an office of notice of wrongdoing and cannot participate in any formal grievance or appeal process. The Office provides assistance and advice regarding concerns related to the University. These services are available to every member of the University community: students, staff, faculty, and others. Any type of concern may be brought to the attention of this office: academic, financial, housing, consumer, work-related, or personal. The University Ombuds Officer is a neutral facilitator and will listen to concerns, help individuals explore options, offer suggestions and advice, and assist in the resolution of the concern. Referral and direction to appropriate individuals and offices, and clarification of University policies and procedures are services of the Office. All proceedings in individual cases will be held confidential by the Ombuds Officer unless otherwise authorized by the complainant, or otherwise required by applicable law, including without limitation, Chapter 119, Florida Statutes. The University Ombuds Office is located in Millican Hall, Suite 243, room 247. Appointments may be made by calling 407-823-6440.

Office of Undergraduate Studies

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

The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning environment. The Office of Undergraduate Studies, the Office of Interdisciplinary Studies, the Office of Pre-Professional Advising, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services

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 goals of the Office are to apply these policies fairly, promptly and evenly according to established guidelines; to provide timely response to requests from students, faculty, and staff; and to maintain accurate and effective computer records for advisement and graduation certification.
The International Services Center (ISC), a unit of the College of Graduate Studies, provides immigration advising and assistance to international students and scholars at the University of Central Florida. ISC supports the international population in its adjustment to a new academic and cultural environment by providing a wide range of services and programming. Services include: admissions guidance, interpreting immigration regulations, explaining employment options, issuing travel authorization signatures, and end of year tax filing guidance. Programming includes: orientation, welcome week activities, employment and tax workshops, holiday celebrations, and International Education Week events. From orientation to graduation, ISC strives to enhance the overall educational experience at UCF for its international students and scholars and to increase cultural awareness and understanding on campus. ISC also works with UCF departments to facilitate the hiring of international faculty and staff, process H-1B employment visas, and ensure tax compliance on payments made to international vendors.

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

The UCF Police Department is a full-service law enforcement agency which prides itself on providing professional services to the university community through prevention, education, and enforcement. The University Police 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 and unmarked vehicle patrols. The Patrol Division additionally contains specialized patrolling for 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 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, Orlando 32826 (office 407-823-2425; 24/7 HOTLINE 407-823-1200) provides services for persons impacted by crime, violence or abuse or off the UCF campus. Services include 1) advocacy, support, and practical assistance; 2) options, information, and referrals; and 3) prevention awareness educational programming. Additional information can be viewed at http://www.victimservices.ucf.edu.


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

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

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

University Libraries offers a variety of information resources and services. An extensive resource collection includes 2.3 million volumes, 30,000 journal subscriptions, 3.1 million microforms and 50,000 media titles. The Libraries’ rapidly growing electronic resources include 363 databases, 593,000 e-books, and 27,000 electronic journals.

UCF Libraries is a partial depository for United States and Florida government publications and U.S. patents and trademarks.

The main library is open 105 hours per week. Operating hours are available on the website: http://library.ucf.edu or by calling 407-823-2756. Over 320 computer workstations are available for public use. 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.

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

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

The Interlibrary Loan and Document Delivery Services Department (ILL/DDS) assists students in obtaining materials not owned by the UCF Libraries. Most book loans, documents, or photocopied materials, and electronically delivered items can be acquired free of charge within two weeks. Request forms are available at http://library.ucf.edu/ill. For more information, call 407-823-2383 during office hours or visit the ILL website.
Services are provided for students with disabilities. In collaboration with the University’s Office of Student Disability Services students may request assistance with retrieval of materials by a Circulation Desk A workstation equipped with Jaws and Zoomtext software is available, as well as a Kurzweil reading machine. More information is available at http://library.ucf.edu/Services/DisabilityServices.asp.

Primary source material from Special Collections and the University Archives http://library.ucf.edu/SpecialCollections/ supports the research, teaching, and service activities of the UCF community. These special materials include books, manuscripts, historic public records, ephemera, photographs, art, and more. The Libraries’ digitization projects http://library.ucf.edu/Systems/DigitalCollections/ continue to make more of these unique materials available on the Web. UCF Libraries partners with other libraries and local institutions, including the 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 educational 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/cmcc or call 407-823-2791.

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

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

All locations provide electronic access to library and University resources on the Web. Courier and intercampus loan services make the University’s libraries available to UCF students at all regional and branch campus sites. For more information see the web site at http://library.ucf.edu/BranchCampuses/Locations/default.asp.

Office of Instructional Resources
Interim Director: Donald Merritt
CL1 203; 407-823-2571, Fax 407-823-2109
http://www.oir.ucf.edu

The Office of Instructional Resources (OIR) supports the academic, research, and administrative goals of the University of Central Florida utilizing multimedia, interactive, and digital media resources. OIR provides creative, technical, consulting, and multimedia production services to faculty and university departments.

The Faculty Multimedia Center (FMC) is OIR’s media production facility dedicated to faculty and electronic thesis and dissertation (ETD) support. Located in Classroom Building 1 room 202, the FMC houses the equipment faculty can call upon to create multimedia materials for their teaching and research needs. OIR staff can provide ETD support for those faculty with larger media needs. The FMC also partners with the College of Graduate Studies to provide computer and media expertise for those students who are completing their ETD.

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

Although OIR installs and repairs classroom equipment, we do not schedule classroom spaces. If you need to reserve a room, please contact Classroom Reservations in the Registrar’s office. Faculty should speak with their College’s Scheduler to reserve a classroom or to change a class’s meeting space.

Intercollegiate Athletics
Director: Keith Tribble
WD2; 407-823-2261
http://www.UCFAthletics.com

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

Graduation Rate Disclosure
The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, graduate from their programs. The 6-year graduation rate for the Fall 2004 full-time cohort is 63 percent. The retention rate for Summer-Fall full-time 2009 students is 86.6 percent. The information is public and available for review on the Institutional Research website.

UCF Arena at Knights Plaza
http://www.ucfarena.com

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

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

Knights Plaza, home of the UCF Arena and The Venue, features an exciting mix of services, shops and dining. Come early and stay late. For event, retail or rental information, visit http://www.ucfarena.com or http://www.knightsplaza.com.

UCF Bookstore

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.

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

Parking and Transportation Services
Director: Kris Singh
Visitor and Parking Center; 407-823-1371
E-mail: Krishna.singh@mail.ucf.edu
http://www.Parking.ucf.edu

Through the efforts of the Department of Parking and Transportation Services, UCF constituency has varied transportation options to, from, and around the campus. The UCF Shuttle provides transit needs for students residing in 18 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:30 p.m.
UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 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 a.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 website, http://golynx.com.

**Orlando Shakespeare Theater in Partnership with UCF**

Artistic Director: Jim Helsinger  
812 E. Rollins St., Suite 100, Orlando FL 32803  
E-mail: jimh@orlandoshakes.org  
http://www.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 Harriett 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 artists from across the country. The theater has been featured in national publications such as The Wall Street Journal, Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. The third year of UCF's Acting MFA in Theatre is spent in residence at the theater. Internships and independent studies for UCF undergraduates are also available with the theater in many departments. $10 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700. For internship information and other questions, contact Artistic Director Jim Helsinger at jimh@orlandoshakes.org.

**UCF Alumni Association**

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

The University of Central Florida Alumni Association creates alumni awareness and provides resources for alumni to stay connected to the university and each other through dozens of active chapters and clubs, fun activities and events, and enlightening communication pieces.

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

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

**UCF Foundation, Inc.**

Associate Director of Donor Relations: Sean Helton  
PVL 250; 407-882-1220  
E-mail: donorrelations@ucf.edu  
http://ucffoundation.org

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

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

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

The foundation employs over 100 staff members who are dedicated to making the most effective and responsible use of your contributions. The foundation team is responsible for gift acceptance and administration, gift processing and receipting, financial accounting and reporting, donor and alumni record maintenance, and donor and alumni stewardship.
The Office of International Studies (OIS) connects UCF students and faculty to diverse world communities. Its mission is to promote, support, facilitate, advocate, and implement activities that lead to the internationalization of education and research at UCF. This is accomplished through: development and administration of UCF study abroad programs; faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

**Study Abroad Programs**

http://www.studyabroad.ucf.edu

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

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

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

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

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

**Experiential Learning (Office of), Undergraduate Studies**

Director: Sheri Dressler
CSEL 300; 407-823-2667
E-mail: OEL@ucf.edu
http://www.explearning.ucf.edu

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

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

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

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

Co-op opportunities are available to students on all campuses in all colleges. They are courses that provide a linked series of progressively responsible internships, always major- or career-related, paid, and occurring over multiple terms. They are either part-time around class schedules (parallel) or full-time alternating terms (alternating), structured for learning with reflection, supervi-
sion and evaluation, and available for non-credit or credit when it will count in a student’s academic program. The Co-op program at UCF is accredited, one of the largest in the country, and recognized nationally as a model for quality and benefits to students.

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

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

National Consortium for Academics and Sports (NCAS)
Director: Suzi Katz-Slowski
BA2 223; 407-823-3555
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 social change.

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

The Southeast Region also works with the NCAS National Office to make programs available to athletic departments in the areas of diversity training, gender violence prevention, media awareness and building well rounded student-athletes who represent themselves and their University with pride.

The NCAS also cultivates partnerships between the University, local schools, community organizations, and other non-profit agencies that also are committed to serving the community.

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

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

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

Off-Campus College Credit Programs
Assistant Vice President/Director: TBA
University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260, Fax: 407-882-0244

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

Executive Development Center
Academic Director: Ron Michaels
Senior Associate Director: Jaime Patterson
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 in Management
- Professional Masters in Real Estate
- 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.

Institutes and Centers for Research
Center for Economic Education
Director: Robert L. Pennington
BA2 303E; 407-823-2640
E-mail: rpennington@bus.ucf.edu

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

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

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- 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.
Special Academic Programs and Research Institutes

**Florida-Canada Linkage Institute**  
**Director:** Angel Cardec  
**E-mail:** fci@mail.ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between the State of Florida and the Province of Canada. 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  
**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 Eastern 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  
**E-mail:** info@fsg.ucf.edu

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 Fentress  
**E-mail:** info@fsec.ucf.edu

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

**Florida Space Institute (FSI)**  
**Director:** Melissa McGrath  
**E-mail:** jaydeep.mukherjee@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 Institute headquartered at UCF, but has 10 member schools statewide. FSI is located both at the Space Center and on the UCF campus. FSI’s 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. 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  
**E-mail:** shumaker@ist.ucf.edu

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

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

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

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

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

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

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

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

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

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

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

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

Enterprise Decision Support (EDS)
Director: Linda Sullivan
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061
E-mail: lindas@mail.ucf.edu
http://www.iroffice.ucf.edu

The mission of the Enterprise Decision Support (EDS) department is to provide data integration services and actionable information solutions through the delivery of business intelligence applications and other knowledge management tools to support executive and operational decision-making and planning.

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

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

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

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

IR provides electronic and web-based dissemination of official information to the university community (including the Board of Trustees, the various colleges, departments and other academic and administrative units), external agencies, and the Florida Board of Governors (BOG).

IR generates, supervises and develops all official university data reports, and state-required BOG reports, and end-user data solutions.

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

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

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

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

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

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

Regional Campuses works in partnership with the Division of Strategy, Marketing, Communications, and Admissions to provide services to regional campus students. The office centralizes multiple functions with multiple sites to accommodate the access, convenience and value of attending the UCF Regional Campuses for degree completion.
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
Director: Rhonda Hall
Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando 32826; 407-823-5580
http://www.reachout.ucf.edu

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

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

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

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

UCF TV showcases the university to the world through innovative original content and strategic programming/production partnerships. UCF TV expands and enhances the UCF brand and reputation through strategic storytelling projects that are broadcast over the air, on cable and online.

UCF TV also provides high-quality video production services to internal and external clients.

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

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

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

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

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

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

UCF Marketing 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.
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 campus and all regional campus sites. The office’s primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to, achieve growth and success at, and benefit from attending the University of Central Florida.

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

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

Campus Visit Experience

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

Meetings with admissions representatives to discuss particular concerns about admission to the University are available. You may contact the Office of Undergraduate Admissions at 407-823-3000 or visit us at our website. Information sessions and campus tours are also available for students interested in our Rosen College of Hospitality Management on International Drive. Please contact them at 407-903-8000 for further information.

Application for Admission

All interested applicants should complete the University of Central Florida “Undergraduate Admissions Application” online at http://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@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).
Admission Categories

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

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

*Transfer students with 60 semester hours or more may also apply to one of many Regional Campus sites. Please refer to the application.

**Students applying as transient from a Florida public university should follow the procedure for SUS Transient located online at http://www.registrar.ucf.edu/forms/transient_sus/.

***Students who have already earned a bachelor degree and wish to attend as non-degree seeking should follow the procedure through our Graduate Admissions Office located at http://www.admissions.graduate.ucf.edu/nondegree_applicants/.

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

Reactivation

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

Limited Access Programs

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

Orientation

All first-time undergraduate degree-seeking students are required to attend orientation prior to enrollment. Orientation information is mailed to all FTIC students offered admission who have submitted their enrollment deposit and to all transfer students offered admission to the University. Information regarding orientation may also be viewed on the website at http://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/Early Admit (includes early admission and dual enrollment, on- or off-campus)
Applicant Eligibility
All applicants must meet the following Department of Education (DOE) minimum eligibility index standards to be considered for Admission:

If the High School GPA is:                 Minimum test scores must be:  
**HS GPA**                       **SAT** or **ACT**
2.0                                  1680     25
2.1                                  1620     24
2.2                                  1560     23
2.3                                  1510     22
2.4                                  1450     21
2.5                                  1450     21
2.6                                  1450     21
2.7                                  1450     21
2.8                                  1450     21
2.9                                  1390     20
3.0                                  *       *

*No minimum score required.

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

■ Admissions 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 courses.

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

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

1. Early Admission is for students who have completed their junior year in high school and would like to enroll at the University as full-time students for their senior year of high school. 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](http://www.admissions.ucf.edu) and arrange to have official transcripts sent from all colleges attended. The Office of Undergraduate Admissions computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades effective Fall 2001, but only recognizes grade forgiveness when it is used as part of an awarded statewide articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college or Florida public state college. Applicants must have a current minimum GPA of 2.0, and must have a cumulative minimum GPA of 2.0 and be in good standing as a degree seeking student at the last institution attended to be considered for admission to UCF. Meeting these minimum requirements does not guarantee admission.

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

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

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

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

■ At least 60 credit hours of academic work exclusive of occupational courses and basic required physical education courses;

■ An approved general education program of at least 36 credit hours;

■ A GPA of at least 2.0 on a 4.0 system for all college-level academic courses attempted. (Only the final grade received in courses repeated by the student shall be used in computing the average.); and,

■ One year of college instruction in a single foreign language. (This requirement applies to those students without the required two units of foreign language in high school.) Students who receive an Associate in Arts degree from a Florida public community college or university prior to September 1, 1989, but who have not met the foreign language requirement may be admitted to the University on a provisional basis.

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

1. Admission to one of the eleven state universities, except to “limited access” programs (programs that have additional admission requirements);

2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;

3. Transfer of equivalent courses under the statewide Course Numbering System;

4. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate).
5. No additional General Education Core requirements;
6. Advanced knowledge of selection criteria for limited access programs; and
7. Equal opportunity with native university students to enter limited programs. Should any guarantee be denied, students have the right of appeal through the Office of Undergraduate Admissions and the Admissions and Standards Committee.

Transfer Applicants - More Than 60 Hours, Have Not Received an A.A. Degree from a Florida Public Institution
Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:
- A minimum of a 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule; and
- A minimum of eight credit hours of college instruction in a single foreign language. This requirement applies to those students without the required two units of a single foreign language in high school.

Meeting these minimum requirements does not guarantee admission.

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

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

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

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

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

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

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

The following items will be needed in order to review an application for admission:
- Submit the completed UCF admissions application form with the required $30.00 non-refundable application fee (check or money order in U.S. currency). An online application is available on our website 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 at http://www.toefl.org or IELTS, http://www.ielts.org.
- Results of the SAT or ACT will be required if the student has earned less than 60 credit hours of college credit. Information regarding these examinations may be obtained from the College Board (SAT) at http://www.collegeboard.org or from ACT at http://www.act.org. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these 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 evaluations of academic credit from these agencies:

Josef Silny and Associates
http://www.jsilny.com
World Education Services
http://www.wes.org
Undergraduate Admissions

Mandatory Health Insurance for International Students on F-1 and J-1 Visas

Each international student on an F-1 or J-1 visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage to UCF Health Services to comply with the State of Florida mandatory health insurance requirement for F-1 and J-1 students. Minimum coverage limits are posted on the Health Services website at http://www.hs.ucf.edu. Use the link for health insurance that directs you to information that is specific to the UCF-endorsed health insurance plan that meets all the State of Florida requirements.

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

The University reserves the right to refuse registration to any international student on F-1 or J-1 visa who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibility to comply with the insurance requirement. For questions, call UCF Health Services at 407-823-3707 or go to their website 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 receive any other academic and/or disciplinary action prescribed by the University, including but not limited to academic dismissal.

Transfer Credit: All Applicants

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

Accredited Institutions

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

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

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

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

General Education Transfer Credits

Transfer students from a Florida public community college, state college or university may satisfy the General Education Program requirements of UCF by completing the general education program prescribed in the appropriate UCF catalog. Transfer applicants with incomplete general education programs will have their credits evaluated on a course-by-course basis.

Credits from Private and Out-of-State Institutions

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

Credits from Military Service School Courses

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

Baccalaureate Honors

Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and is based upon an overall grade point average. For more details, refer to "Academic Honors" within the "Academic Regulations and Procedures" section of this Undergraduate Catalog.
Office of Student Financial Assistance
Executive Director: Mary H. McKinney
MH 120; Switchboard: 407-823-2827, Appointment: 407-823-5285,
Fax: 407-823-5241
E-mail: finaid@ucf.edu
http://finaid.ucf.edu

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

The mission of the Office of Student Financial Assistance is to provide
UCF students and the University community comprehensive quality
service by offering options for financial assistance and efficient deliver-
y 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 pro-
grams available at UCF, our application procedures, aid deadlines,
and the criteria used to determine a financial aid package. Students
have the right to appeal decisions made by the Office of Student
Financial Assistance. Students also have the right to equitable treat-
ment of their financial assistance applications. Although each stu-
dent’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 informa-
tion and instructions, meet all deadlines, and provide all information
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 stan-
ardized formula, calculates financial need. Those results are then for-
warded 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, stu-
dents should complete the Free Application for Federal Student Aid
(FAFSA)/Renewal FAFSA by mid-February. The processed results
of the FAFSA must be received by UCF by March 1st to meet our
application priority date.

 If the priority date is missed, students should apply as soon as
possible after that date to be considered for the financial aid that
is still available, such as the Federal Pell Grant, Federal Stafford
Loan, and Federal PLUS Loan;
 Students should not wait to be admitted to UCF before applying
for financial aid;
 Federal Pell Grants and Federal Stafford Loans are available on a
year-round basis. Students may apply for financial aid in advance
of any term and receive aid from these programs, if eligible;
 Students should have a complete financial aid file at least 60 days
prior to the beginning of the semester. Students who apply late for
aid should be prepared to cover their own living expenses, out-of-
pocket, well into the term;
 A broad range of scholarships is available with diverse criteria.
Please review the Scholarship Listing on the website for specific
deadline dates for individual scholarships.

Application Procedures

 The FAFSA can be filed electronically at http://www.fafsa.ed.gov.
A link is provided on the website and on myUCF.
 Messages from the federal processor should be reviewed thor-
oughly;
 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.

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 informa-
tion 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 scholar-
ships or third party tuition payment/ waivers;
Student Financial Assistance

- 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. First time borrowers must complete an online Entrance Interview and 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-888 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;
- Male applicants must be registered with Selective Service, if applicable.

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

Helpful Hints
- Apply early to be considered for the full range of financial aid available each year by completing the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet our application priority date;
- 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.)
- Activate Knights E-mail account and check it regularly to avoid missing important and critical information from Student Financial Assistance and the university;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered;
- Respond promptly to all information requests;
- If there are extenuating circumstances or problems at any time, call the appointment line, 407-823-5285, to meet with a counselor;
- Comprehensive information can be found on the website: http://finaid.ucf.edu.

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

<table>
<thead>
<tr>
<th>Estimated Cost of Attendance for 2011-2012</th>
<th>Undergraduate Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall/Spring based on 14 hours per term</td>
<td></td>
</tr>
<tr>
<td>Florida Residents</td>
<td>Non-Florida Residents</td>
</tr>
<tr>
<td>Living Arrangement: On/Off Campus</td>
<td>On/Off Campus</td>
</tr>
<tr>
<td>Parent/Relative</td>
<td>Parent/Relative</td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>$4,518</td>
</tr>
<tr>
<td>Books</td>
<td>$4,518</td>
</tr>
<tr>
<td>Room &amp; Board</td>
<td>$19,832</td>
</tr>
<tr>
<td>Transportation</td>
<td>$19,832</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>$2,276</td>
</tr>
<tr>
<td>Total Costs</td>
<td>$33,406</td>
</tr>
</tbody>
</table>

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

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

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

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

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

Award Notification
Award notifications are mailed to first time UCF students after March 15th, while e-mail award notifications are sent to continuing students. Initial awards may be amended due to such factors 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 requirement for each program, which can be found on the Program Eligibility Charts on the website. When requirements are no longer met, awards will be adjusted as necessary and will appear on myUCF. All awards are subject to change.

Deferrals of Tuition and Fees
Financial aid awards will normally result in a deferral of tuition and fee payments. Deferrals allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three weeks after the term begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferral process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments are also subject to change. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. To have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Add/Drop in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they are never attended.
**Student Financial Assistance**

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

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

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

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.
- 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).

**Classification | Maximum UCF Hours Allowed For Completing Degree**

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>All Freshman</td>
<td>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>
</tbody>
</table>

| Second Degree | 60 Attempted Hours |
| Masters       | 70 Attempted Hours |

| Specialist Degree-Seeking | 100 Attempted Hours (Including all Graduate Hours) |
| Doctoral                  | 120 Attempted Hours (Including all Graduate Hours) |

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

**If the student was canceled for the failure to complete 70% of the attempted hours and since cancellation, 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:
- Complete the Satisfactory Academic Progress Appeal Form; (available on the Office of Student Financial Assistance website at: http://finaid.ucf.edu, under Forms).
- Attach documentation that supports specific circumstance(s) to the appeal form; 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.
- Students reinstated on financial aid probation will be required to have an academic plan that must be monitored.

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

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

**Classification**

- **Undergraduate**
  - All Freshman
  - Transfer Sophomores
  - Transfer Juniors
  - Transfer Seniors

- **Second Degree**
  - Masters

- **Specialist Degree-Seeking**

- **Doctoral**

**Maximum UCF Hours Allowed For Completing Degree**

- 180 Attempted UCF Hours
- 135 Attempted UCF Hours
- 90 Attempted UCF Hours
- 45 Attempted UCF Hours
- 60 Attempted Hours
- 70 Attempted Hours
- 100 Attempted Hours (Including all Graduate Hours)
- 120 Attempted Hours (Including all Graduate Hours)
Student Financial Assistance

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 at the conclusion of the term, confirming that the attempted hours are completed. This will help avoid academic progress problems. Students who expect to receive funds under any of the federal loan programs must enroll for a minimum of six undergraduate hours at UCF in UCF classes to meet eligibility requirements.

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

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

Refunds and Return of Title IV Funds
Students should be aware that if they withdraw from the university after having received financial assistance, they 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.
General Information

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

The Student Accounts Services office is responsible for:
- Tuition and Fee Assessment/Refunds
  (Student Accounts Services, MH 109)
- Processing Payments
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees

Note: 2011-2012 tuition and fees had not been established at the time of this publication. Rates for the 2011-2012 academic year will be available in early July 2011 at http://www.iroffice.ucf.edu/character/current_tuition.html.

Fees are subject to change without notice.

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

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 payment 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 may result in the cancellation of all classes. Refer to the Academic Calendar each term for the fee payment deadlines.

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

Student Financial Responsibility Statement

Registration at UCF requires students to acknowledge the following financial responsibility statement:

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

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

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

Acceptable forms of payment:
- Checks
- Credit Cards
- E-Pay - https://my.ucf.edu – E-Check or Credit Card
  - A nonrefundable $10.00 convenience fee will apply per transac-
  - Payments made at any time on the published fee pay-
  - Payment Locations (Call respective campus for office hours and

E-Pay process:
- Sign in the myUCF portal as usual then click on the link for Student Self Service; this will open your Student Center page. Use the right scroll bar to scroll to the Finance section. You will find a section for
- Student Accounts.
  - Click on the link for the Fee Invoice. Select the current term (i.e. Sum 2011, Fall 2011, or Spring 2012). The Fee Invoice will pro-
  - Write down the Amount Due as you will need that amount once
  - Scroll down to the bottom of the page and click the link to Due
  - Click on Continue and then follow the Payment Gateway

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

Payment Drop – 24-Hour Depository at main Campus

Payment Locations (Call respective campus for office hours and options):
- Main Campus - provides various payment stations on the campus for on-line payments – (407) 823-2433: 24-Hour night depository – Millican Hall at Reflection Pond Entrance (No Cash)
- Regional Campuses: The University of Central Florida now requires all tuition and fees to be paid electronically. While there are no longer direct cashiering services available on the Regional Campuses, students can pay all tuition and fees electronically, either by credit card or check, in the student services area at each major Regional Campus location. Additionally, payments may be mailed to: UCF Cashiers Office
  P.O. Box 160115
  Orlando, FL 32816-0115.

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

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

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 Services by submitting a Florida Prepaid Tuition Plan Procedures form 41-905 request not to bill FFP on or before the first day of the Drop/Swap and Late Add period. Submit written request as a scanned attachment in an e-mail or by fax.

The standard plan will cover $105.21 per credit hour (graduate or undergraduate level) for the 2010-2011 academic year. The plan does not cover the local fees of $41.48 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 an additional $33.93 per credit hour. For further details on the Florida Prepaid Tuition Plan please visit our website http://www.registrar.ucf.edu and click Forms. Then click on Student Services. Scroll down to Florida Prepaid Tuition Plan Procedures.

Note: The 2011-2012 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, clinical courses, third-attempt repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any state employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed tuition waiver form to the UCF Student Accounts Services by fax or as a scanned attachment in an e-mail.

UCF Employees Tuition Waiver
All 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. UCF Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term. Should the UCF employees register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the UCF employee will be liable for all applicable fees. The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, clinical courses, third-attempt repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any UCF employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed Tuition Waiver Form to the UCF Student Accounts Services by fax or as a scanned attachment in an e-mail. 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 may incur a $100.00 Late Payment fee. See the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ each term for the fee payment deadlines. Employees may obtain the “State Employee Tuition Waiver” form, policy and instructions from the Registrar’s Office website at http://www.registrar.ucf.edu/State_UCF.html. 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 Student Tuition Waiver
http://www.registrar.ucf.edu/forms/benefits/tuitionwaiver.pdf or the Registrar’s Office website at
http://www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf. Students are encour-aged to list alternate courses on their waiver form to substitute for
Tuition and Fees for Senior Citizens
Persons 60 years of age or older who meet Florida residency requirements may register to audit classes on a space-available basis without payment of tuition and application fees. Registration is on a space-available basis; see the appropriate term’s Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for registration dates and times. The tuition fee waiver cannot be used for courses that require increased costs (such as thesis, dissertation, and directed individual study). A “Florida Residency” Affidavit is required to establish Florida residency. A completed “Student Health History” form must be filed prior to registration. Inquiries should be directed to the Registrar’s Office (MH 161; Telephone: 407-823-3100).

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

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

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

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

Direct Deposit
Students are strongly encouraged to establish direct deposit with the University. Direct Deposit prevents delays due to lost checks or change of address. All refunds from students’ accounts can be direct deposited into the student’s checking account 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 https://my.ucf.edu and click on Student Self Service. Go to the Students Accounts Services link, then click on Direct Deposit and follow the instructions.

Past Due Accounts
All financial obligations to the University must be met. Failure to meet obligations can result in the withholding and denial of registration, diploma, transcripts and readmission to the University. The services of a professional collection agency and recourse to the courts may also be invoked if deemed necessary. All costs of collection, including attorney’s fees, are 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 the Add period for the term, who re-register, or who enroll for the first time that term during Late Registration and Drop/Swap and Add period. The Late Registration Fee is $100.00 per term.

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 Services and may appear before the Committee (not mandatory). Send forms and back-up documentation as a scanned attachment in an e-mail or faxed to Student Accounts Services. Address faxed petitions to: 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. Holds paid on-line may take up to two (2) business days to clear.

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

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

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

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

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

2. Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education. The following documents will be considered evidence of domicile even though no one of these criteria, if taken alone, will be considered as conclusive evidence of domicile:
   a. Declaration of Domicile;
   b. Florida voter registration;
   c. Florida vehicle registration;
   d. Florida driver license or Florida identification;
   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 employ-
Student Tuition and Fees

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

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

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

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

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

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

Goals of the division are to:

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

The division is comprised of the following areas:

**Academic Services for Student-Athletes (ASSA)**

Director: TBA
WD I; 407-823-5896
E-mail: Vanessa.Hernandez@ucf.edu
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 Sciarino
SU 215; 407-823-5548
E-mail: asf@ucf.edu
http://www.asf.ucf.edu

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

In addition, our office manages the operation of the Student Government Computer Lab located on the second floor of the Student Union and the Student Government Express Print Lab located on the first floor of the Student Union. The Student Government Computer Lab has 42 computer stations available and the Student Government Express Print Lab has 14 computer stations available and provides limited free printing to currently enrolled students. Our office also manages the Student Government Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters and attractions. The Student Government Ticket Center is also an authorized TicketMaster Retail Outlet.
**Alcohol and Other Drug Education, Prevention, and Wellness**
*Director: Tom Hall*
*COUN: 407-823-0879/407-823-5841*
http://www.aod.sdes.ucf.edu

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

**Campus Faith & Ministries United**
*Director: Brad Crawford*
*SU 305; 407-823-5336*
http://www.ucministries.com

Campus Faiths & Ministries 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**
*Executive Director: Lynn Hansen*
*E-mail: career.ucf.edu*
*CSEL: 407-823-2361*
http://www.career.sdes.ucf.edu

Career Services offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career specialists. These comprehensive services are designed to help First Year through Graduate students with all phases of career development to include:
- Major and Career Choices
- Academic and Career Information
- Resumes and Cover Letters
- Interviewing Skills
- Job Search Strategies
- Employment Assistance (Career Fairs, On-Campus Recruiting, Job Postings and Resume Referrals)
- Graduate School Information

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

**Counseling Center**
*Executive Director: Stacey Pearson*
*COUN: 407-823-2811*
E-mail: counsel.ucf.edu
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 during fall and spring semesters.

The Counseling Center offers:
- 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 website at http://www.counseling.sdes.ucf.edu.

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

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

**First Year Advising and Exploration (FYAE)**
*Director: Stephen O’Connell*
*PH 116; 407-823-3789*
E-mail: fy@ucf.edu
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 Major Exploration Program to assist them in the major selection process.

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, and 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 LEARN 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.

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

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

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

The First Year Experience Office combines orientation with extended first year transition programs including Pegasus Palooza, LINK and the Strategies for Success course. It assists entering freshmen and transfer students with their transition to the University of Central Florida.
Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registering for classes. Students must 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.

Fraternity and Sorority Life
Assistant Vice President, Student Development and Enrollment Services, and Director: Belinda Boston
SU 154 (Greek Council Office); 407-823-2072
http://www.greek.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 experiences that reinforce the organization’s founding principles: scholarship, community service, campus involvement, sisterhood/brotherhood, and personal and professional growth.

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, and dental assistants, financial counselor and clinic coordinator. This state-of-the-art facility is located in the on-campus Health Center and provides 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.

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

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

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 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 bedroom apartments in rooms. Most first-year students who apply for academic year contracts will receive assignments in double room 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.
Division of Student Development And Enrollment Services

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.

Multicultural Academic and Support Services (MASS)
Director: Wayne Jackson
PH: 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 two six-week summer programs, Seizing Opportunities for Achievement and Retention (SOAR); coordinates the brother to brother mentoring program; and designs and coordinates cultural and social activities to assist students in realizing their academic, career and personal goals. MASS serves as the focal point of operations in addressing the specific needs, issues and concerns that confront multicultural and First Generation College Students at UCF.

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

Off-Campus Student Services and Student Neighborhood Relations assist students in their search for off-campus housing accommodations. The OCSS-SNR provides listings of off-campus apartments and/or resources for students needing to find roommates, storage, sublease, transportation, and furniture rental information. OCSS-SNR also provides UCF students who live off campus with information regarding a variety of on-campus programs and services. OCSS-SNRR fosters a supportive environment for off-campus students by providing an advocacy for resolving problems, “on the spot” for the off-campus residents, and exploring other available resources for students. Students are encouraged to utilize the services offered by the Off-Campus Student Services Office, and to become acquainted with the many benefits the campus has to offer.

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

Office of Student Involvement (OSI)
Director: Michael Preston
SU 208; 407-823-6471
E-mail: Michael.Preston@ucf.edu
http://www.GetInvolvedUCF.com

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

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

Office of Student Rights and Responsibilities (OSRR)
Assistant Vice President, Student Development and Enrollment Services and Director: Patricia A. MacKown
FC 142; 407-823-6960
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, personal rights and resolution skills, and university student conduct rules. Our resources are more effectively used by combining and referring within the judicial knowledge base that exists within these three services. OSRR also publishes the Student Handbook, the Golden Rule, which contains more detailed information on student life. Copies of the Golden Rule can be obtained at OSRR, or can be viewed on the internet at http://www.goldenrule.sdes.ucf.edu. This office also advises the Golden Rule Review Committee which is a standing committee of students charged with making recommendations for updating the Golden Rule Student Handbook.

Dispute Resolution Services
Director: Jennifer Wright
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 disputes 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. Mediation services are provided to UCF students, faculty, and staff at no charge. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the university community. The UCF community would also consider this office as a place of support, encouragement, and guidance in handling college level issues associated with academic integrity, ethics, civility, and the UCF Creed.

Office of Student Conduct
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 determines 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
Associate General Counsel: Patricia Dullahghan
FC 142; 407-823-2538
http://www.sls.sdes.ucf.edu

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

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

The PRIME STEM Students Support Services Program addresses the academic and social needs of eligible students enrolled at UCF who are first-generation in college, have a documented disability, or demonstrate financial need that are pursuing STEM related majors: Science, Technology, Engineering, and Mathematics. All PRIME STEM Project scholars have an opportunity to participate in a student success course, complete mandatory academic advising, be exposed to faculty, staff, and community partners who are employed in STEM occupations, and a host of other services including: Supplemental Instruction and tutoring, financial literacy, academic success workshops, professional and cultural events, personal and career counseling, mentoring, graduate school services and opportunities for undergraduate research, service learning, and conference attendance.
Recreation and Wellness Center (RWC)
Director: James Wilkening
RWC; 407-823-2408
http://www.rwc.sdes.ucf.edu

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

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

Regional Campuses Student Services
Assistant Vice President: A.J. Range
University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826; 407-823-4547
E-mail: A.J.Range@ucf.edu

Student Services, UCF Daytona Campus
Director: Diana Weidman
386-506-4024
E-mail: ersa@ucf.edu

Student Services, UCF Cocoa and UCF Palm Bay Campuses
Director: TBA
321-433-7950
E-mail: srss@ucf.edu

Student Services: UCF South Lake, UCF Leesburg and UCF Ocala Campuses
Director: Pamela Brady
352-536-2219;
E-mail: wrss@ucf.edu

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

Student Services: UCF Sanford/Lake Mary Campus
Coordinator: Michelle VanBrunt
407-708-2805
E-mail: michelle.vanbrunt@ucf.edu

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@ucf.edu  
http://www.registrar.sdes.ucf.edu

The Registrar’s Office, with a commitment to quality service and leading edge technology, provides timely and accurate enrollment information and access for students, colleges and departments, effectively meets student administrative needs, ensures complete records management from registration through graduation and archived data stores. The office maintains the integrity of student permanent academic records and coordinates and enforces University policies and procedures campus-wide through cooperation, communication, and leadership. In addition, the Registrar’s Office is responsible for management and publication of course offerings, Undergraduate Advising Guide, the online Undergraduate Catalog, online Web Enrollment Guide, the efficient utilization of classroom resources, readmissions, SUS transient students, residency reclassifications, student veteran services, and Commencements.

**Rosen College of Hospitality Management Student Life**

*Assistant Director:* Tiffany Greensis  
9007 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. Staffing and services provided through this office include: registered student organization support, on-campus student housing information, student activities programming guidance and support, and the Golden Rule interpretation.

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

*Director:* Robert Snow  
PH 215; 407-823-5376  
E-mail: sophomore@ucf.edu  
http://www.sophomore.sdes.ucf.edu

The Sophomore and Second Year Center (SSYC) has a mission to retain sophomore and second year students at the University of Central Florida. This mission is accomplished by providing academic advising and support services to targeted student populations, developing and conducting programs that guide students toward declaration of a major (degree program), connecting students to the appropriate campus resources and services, providing enhanced information and advising resources through technology (Video Chat Advising), and assisting students with their progression towards graduation from UCF. SSYC provides on-going communication throughout the year with these students to keep them aware of various major exploration outreach events, and to help sophomore and second year freshmen students stay connected and engaged with the UCF campus community.

The SSYC office has primary responsibility for connecting undeclared (no major) and undecided sophomores and second year freshmen students to various campus resources, academic advising for major & career exploration, academic support services, and transition assistance to the appropriate college advising office or department. SSYC also provides advising support to accelerated FTIC’s (First Time In College students) entering UCF with 30 or more college credits earned from AP, IB, CLEP, and/or dual enrollment courses; and sophomores and second year freshmen who are changing their majors or need assistance in transitioning to the appropriate college advising support office.

**Student Academic Resource Center (SARC)**

*Director:* Terry Exum  
PH 113; 407-823-5130  
E-mail: sarc@ucf.edu  
http://www.sarc.sdes.ucf.edu

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

The Supplemental Instruction (SI) program focuses on providing assistance to students in historically difficult courses such as anatomy, biology, chemistry, microbiology, and physics. These peer-led study sessions give students in these courses an opportunity to meet outside of class to compare notes, discuss important concepts, and develop strategies on how to learn the subject matter.

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

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

SARC’s professional academic advisors provide support for students in the Pegasus Success Program and the College Achievement Program.

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 185; 407-823-2371  
http://www.sds.sdes.ucf.edu

The Office of Student Disability Services provides information and individualized accommodations consistent with the student’s documented disability. Such accommodations may include, but are not limited to, assistance with classroom accommodations (including examination accommodations), 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 TTYs/TDDs to contact Student Disability Services (TDD only phone 407-823-2116).

**Student Government Association (SGA)**

*Advisors:* Michael Preston and Kerry Welch  
SU 214; 407-823-2191  
http://www.ucfsga.com

The Student Government Association’s purpose is to represent student views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student Government Association also provides numerous services that affect student life. These services include free printing in the SGA Computer and Express Printing labs, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Club Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knights of the RoundTable, 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 about how to become involved with SGA or how your student organization can receive funding, contact the Student Government Association office.

Student Leadership Development (SLD)

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

The mission for Student Leadership Development (SLD) is to establish an environment that will provide comprehensive leadership education, development, and civic engagement opportunities for the UCF community. Through collaboration and partnerships, SLD will incorporate the UCF CREED and the Social Change Model of Leadership to create professional, academic and experiential opportunities that challenge, empower, and educate students to become social change agents in a global society.

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

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

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

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

Student 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 rooms, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey’s Coffee and Greens salad bar, Balagan Kosher Cafe, Smoothie King, Subway, Sbarro, Mrs. Field’s, Pretzel Time, Wackadoo’s Grub and Brew, Crepe Royale, Qdoba Mexican Grill, Burger King, Pollo Pollo, Asian Chao and Corner Cafe. Retail stores include Greek Unique, KnightStop Convenience Store and Sushi, College Optical, and the UCF Computer Store. Other services located in the Union are the SGA Ticket Office, SGA Computer and Express Printing, Shops, Campus Activity & Travel Services, ATMs, Test Lab, UPS, Bank of America and the UCF Credit Union as well as a self-service Postal Kiosk. Located at the Ferrell Commons is Brooklyn Pizza and the Knights Helping Knights Pantry. The Student Union also operates the All Knight Study Lounge located at the UCF arena. 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, undecided, or changing majors;
- Current information about university programs and policies including entrance and exit requirements;
- Advocacy and assistance in resolving transfer issues;
- Transition advising services for currently enrolled juniors and seniors who are undeclared or changing majors;
- Peer Mentors provide transfer advising services and connections to the campus community, including Transfer Knights club;
- Written articulation agreements and inter-institutional relationships between the University of Central Florida and secondary schools, community colleges or universities; and,
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, community colleges, and other institutions.

University Testing Center (UTC)

**Director:** Rebecca Piety
PH 106; 407-823-5109
E-mail: utc@ucf.edu
http://www.testing.sdes.ucf.edu

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

UTC administers the following national standardized examinations:

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

Upward Bound Program

**Director:** Rebekah McCloud
PH 208; 407-823-5995
E-mail: rebekah.mccloud@ucf.edu
http://www.upwardbound.sdes.ucf.edu

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

Veterans Academic Resource Center (VARC)

**Director:** Paul Vial
Veterans Academic Resource Center, ARNA; 407-823-2707
E-mail: varc@ucf.edu
http://varc.sdes.ucf.edu

The Veterans Academic Resource Center (VARC) recognizes and supports students veterans as they transition from military to student life. The VARC, a unit of the Registrar’s Office, is a collaboration among the offices of Career Services, the Counseling Center, Student Academic Success Center, Student Disabilities Services, Transfer and Transition Services, and provides a
new home for Veteran Services. VARC has been designated as a Center for Excellence for Veteran Student Success and is partially funded by a grant from the U.S. Department of Education Fund for the Improvement of Postsecondary Education (FIPSE).

Located at UCF Knights Plaza/Arena, across from Barnes & Noble, VARC is open 9 a.m. to 5 p.m. weekdays (until 5:30 p.m. on Mondays and Thursdays), and provides office space along with study, tutor and lounge areas for student veterans.

Veteran Services
Assistant University Registrar: James Middlekauff
Veterans Academic Resource Center, ARNA; 407-823-2707
E-mail: varc@mail.ucf.edu
http://www.va.ucf.edu

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

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

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

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

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

Students currently enrolled at UCF and another institution may receive VA educational benefits, but first must complete the appropriate Transient Form and consult with Veterans Services. Veterans and eligible dependents who desire to change their major, or pursue a dual major, dual degree, or who add a minor may receive VA educational benefits but must obtain approval from DVA before taking any of the applicable courses. This includes a minor in military science. NOTE: some majors may have extra elective hours that can be used for courses for a minor or another major.

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct. 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. Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.
The 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 website at http://transfer.sdes.ucf.edu.

Transfer and Transition Services provides the following services and resources:

- Accurate and current information about university programs and policies including entrance and exit requirements, as well as information concerning:
- General 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
- Website for transfer students (http://transfer.sdes.ucf.edu)
- Transfer Knights social club; Tau Sigma Transfer Honor Society
- Orientation advising and assistance
- Written articulation agreements between UCF and other universities and colleges

How Can a Community College Counselor or Advisor Help Me?

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

DirectConnect to UCF provides A.A. and A.S. students and alumni of Brevard Community College, Lake-Sumter Community College, Seminole State College, and Valencia College guaranteed access to UCF. Meet with a DirectConnect advisor as soon as you earn 30 credit hours. At the Valencia College East Campus, TTS provides DirectConnect to UCF pre-admission and transition advising in Building 5, room 230; call 407-582-2741 to set up an appointment.

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

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

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

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...
Transfer and Transition Services

your transcript to assure getting credit for meeting General Education and Gordon Rule requirements. Without this statement you must satisfy UCF’s general education requirements and Gordon Rule courses. If your grade point average falls below a 2.0 (without grade forgiveness), you will not be admitted.

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

You must satisfy the CLAS by the time you have completed 36 hours of upper-division course work, or you will be placed on hold, and unable to take any more upper division classes until the requirement is met. 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 UCF Undergraduate Catalog for graduation requirements for specific majors. High school courses will not satisfy graduation foreign language requirements. International students required to provide TOEFL scores for admission are considered to have satisfied the graduation requirement.

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

Transfer Checklist

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

Y___ N___ met with a DirectConnect advisor
Y___ N___ met with counselor or advisor for graduation check
Y___ N___ completed application for graduation

Application for Admission

___/___/___ date submitted
Y___ N___ checked admission status at https://my.ucf.edu
___/___/___ date of acceptance

Transcripts

(original transcript from all institutions attended)

Y___ N___ transcripts sent from all current and prior institutions
Y___ N___ date final transcript sent after term completed

Financial Aid/Scholarship

___/___/___ date financial aid application (FAFSA) sent
___/___/___ date SCHOLARSHIP application sent
Y___ N___ “to do” list checked on myUCF

Housing

Y___ N___ reviewed OCSS handbook:
Survival Guide for Living off Campus
___/___/___ date application sent
(include deposit when required)

Immunization

___/___/___ date Student Health Form submitted
Y___ N___ need immunizations

Foreign Language Requirements (Admission)

Y___ N___ 2 years/units earned in high school
Y___ N___ 8-10 credits earned at the college level
Y___ N___ credits to be taken at the university

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

Program (Major) Requirements

Y___ N___ selected a major
Y___ N___ completed major prerequisites
Y___ N___ submitted limited access application
Y___ N___ met grade point average (GPA) requirements
Y___ N___ met cumulative GPA for admission to program of study
Y___ N___ met cumulative GPA in courses taken for program of study
Y___ N___ met grade requirements for designated courses
Y___ N___ met audition/portfolio/additional admission requirements
Y___ N___ completed CLAS requirements

Orientation:

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

Some credits listed on the TSR may not be applicable toward gradu-
ation 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 cred-
ited 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 sub-
mitted 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, mak-
ing 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 follow-
ing programs are not included in the automatic deferral pro-
gram: work/study programs, third party deferrals, other
waivers, and direct pay scholar-
ships.

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 articula-
tion 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 require-
ments, including an original research project. Transfer students who
apply for admission to departmental honors programs must have a
minimum GPA of 3.5 in their major. Successful completion of either
honors program will be noted on your transcripts and diploma. For
more information, call 407-823-2076 or visit the honors website at

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 advis-
ing 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 spe-
cific 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 (tran-
scripts 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 comple-
tion 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.
Responsibilities

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

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

Freshman (First Time in College - FTIC)

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

New FTIC Students can expect to:

1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit;
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.

2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL LEARN 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) and 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 30 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 university experience. For more information about the first year advising offices and their services, please see the "Student Development and Enrollment Services" chapter of this Undergraduate Catalog.

3. Participate in programs and advising activities that will promote a successful transition from high school to the university.

4. Transition to an academic advising office within the college of the student's chosen major after the completion of his or her first year.

The Burnett Honors College

New students will:

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

Continuing students will:

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

College of Arts and Humanities

 Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other 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 website at: http://www.cahsa.ucf.edu

New students will:

1. Meet with a CAHSA advisor in a group setting during Orientation to discuss college policies and procedures;
2. Meet with a major advisor to discuss major requirements, career opportunities, and plan a class schedule;
3. Register for classes at a central location; and,
4. Check their "Fee Invoices" to ensure accuracy of their class schedule.
5. Create and regularly check their Knights 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; and,
4. Meet with their major/minor advisor to conduct a graduation review of major/minor requirements in the semester prior to the intended semester of graduation. After seeing the major/minor advisor and in the semester prior to the term of graduation, eligible students will receive an 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.
**College of Business Administration**
The College of Business Administration (CBA) seeks to provide its students with the highest quality academic advising. The intent of the advising system is to assist prospective and current business majors in the development of an educational plan.

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

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

**College of Education**

**New students will:**
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in 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 Academic Advising Center (ED 115 if their major is Elementary Education or Education Pending 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 Academic Advising Center, if in a “pending major,” to review academic progress 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 439;
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 CEC Academic Advising 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 or computer science advisement hold. This plan must be submitted online to the CECS Academic Affairs Office each time a student uses the registration process; and,
7. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

**College of Health and Public Affairs**

**New students will:**
Meet college advising representatives in a group setting 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. Set up the COHPA Undergraduate Student Services (HPA2, 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 Form” through MyUCF and meet with an advisor in the COHPA Undergraduate Student Services by the end of the term prior to the term in which graduation will occur.

**College of Medicine**

**Burnett School of Biomedical Sciences**

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

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

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

Pre-Health Professional Planning
Preprofessional advisement deals primarily with application and admission procedures to professional schools.

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

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

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

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

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

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

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

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

- General Biological Sciences: BSC 2010C, 2011C*
- Genetics: PCB 3063
- General Chemistry: CHM 2045C, 2046, 2046L
- Organic Chemistry: CHM 2210, 2211, 2211L
- Biochemistry: BCH 4053
- Microbiology/Molecular Lab: BCH 4103L or BSC 3403C
- Microbiology: MCB 3020C
- Calculus: MAC 2253 (prefer MAC 2311, 2312)
- Physics: PHY 2053C, 2054C or PHY 2048, 2049
- Statistics: STA 2023

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

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

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

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

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

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

Rosen College of Hospitality Management

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

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

Regional Campus System

http://regionalcampuses.ucf.edu

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

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

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

Web Enrollment Guide
The Web Enrollment Guide is maintained online. It provides the official “Academic Calendar” and describes the policies and procedures governing registration each term. The Guide is available on the Registrar’s Office web page at http://www.registrar.ucf.edu/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. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

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

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

Undergraduate Enrollment Status Credit Hours
Full Time 12 or more
Three Quarter Time 9-11
Half Time 6-8
Less Than Half Time less than 6

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.

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 in excess of 120% of the number required to complete the baccalaureate degree program. For instance, if the degree program requires 120 credit hours, an excess hours charge will begin if a student goes beyond 144 credit hours. Students should regularly review their degree audits and consult with an academic advisor to make sure they are not enrolling in excess courses. More detailed explanation of the excess hours rule can be found on the University Registrar’s Office web site at http://registrar.sdes.ucf.edu.

Holds
A hold (negative service indicator) may be placed on a student’s records, transcripts, grades, diplomas or registration due to financial or other obligations to the University. Satisfaction and clearance of such holds is necessary to complete the required forms during the last hours of registration as noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic/. Direct student expenses after the completion of registration include the campus ID card, vehicle registration and textbooks.

State of Florida Employee & UCF Employee Registration
State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available only basis on the last day of Registration each term with the intent of not returning to UCF, they must also drop space-available at the prescribed time of Registration, or at any time during Late Registration and Drop/Swap and Add when Late Registration fees will apply. Audit requests for students who register prior to this time will be denied. Students may not change to Audit status after Late Registration and Add, but must remain in the course or withdraw through normal withdrawal procedures. New students must be accepted for admission to be eligible to audit a course. Audit forms, available on the Registrar’s website (http://www.registrar.ucf.edu) and in the Registrar’s and college advising offices, must be signed by the instructor and presented to the Registrar’s Office at the time of registration.

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

Limitation 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
- Continuing Education
- Soldier’s-to-Scholars
- Regional Campuses
- Off-campus credit
- Teacher Certification or re-certification

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

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

State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is only available based on the last 30 hours of registration as noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar. STEP students must present a “Certification” letter to the Student Accounts Office (MH 107) to receive waiver of eligible fees. Registration before the time specified in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including, but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, co-ops, practicums, or applied, individualized instruction in music, art, or dance. Eligible members of the active Florida National Guard may receive a waiver of 50% of tuition and material and supply fees.

State University System (SUS) Florida Transient Students

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

UCF Students Attending Another Florida Public Institution

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

UCF Students Attending a Non-SUS Institution

A UCF degree-seeking student desiring to earn credit at another college or university for transfer back into a UCF degree program must obtain prior transient approval for specific courses from the Dean or Department Chair of his/her respective college or school. Transient approval of courses to be applied to the UCF General Education Program must be obtained in advance from Academic Services (MH 210). Credit earned without prior transient approval may not be accepted. Plus/minus grades will be transferred for course work earned Fall 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 check 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 verification services online within 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 courses 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. A student may withdraw from courses using myUCF at https://my.ucf.edu, 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. Faxed 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 seeking to withdraw in person must sign the request and must provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawal from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. If a student withdraws from courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or be fee liable and receive a grade.

A student is not automatically withdrawn from a class for not attending, nor can an institution 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 visit the Academic Services website at http://www.academicservices.ucf.edu/academic_record/ and consult Academic Services (MH 210). Students who are granted a late withdrawal will be given a passing or failing grade from the instructor of the course. If the student was passing, a “WP” will be recorded on the student’s permanent record; if failing, a “WF” will be entered which will be 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 courses until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediately subsequent term, but will use that time to address the medical condition that necessitated the withdrawal. It is the student’s responsibility to drop all courses for any future term or be fee liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of “WP” or “WF” will be recorded. A grade of “WF” will affect the calculation of the student’s grade point average. Students who apply for a medical withdrawal after the next semester has already begun may be dropped from their courses because there is no evidence that they have addressed the medical condition for which the withdrawal was requested.

Following the close of the Late Registration and Drop/Swap period each term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptional 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.
Academic Regulations and Procedures

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

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

<table>
<thead>
<tr>
<th>Grade Points Per Semester Hour of Credit</th>
<th>Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>B+</td>
<td>3.25</td>
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<tr>
<td>B</td>
<td>3.00</td>
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<tr>
<td>B-</td>
<td>2.75</td>
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<tr>
<td>C+</td>
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<tr>
<td>C</td>
<td>2.00</td>
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<tr>
<td>C-</td>
<td>1.75</td>
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<td>D+</td>
<td>1.25</td>
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<tr>
<td>D</td>
<td>1.00</td>
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<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>

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

In courses graded with “S” or “U” will be converted to “U.”

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 by e-mail about the grade. The student is responsible to arrange with the instructor for the completion of the requirements of the course. Effective with Incomplete grades assigned in the Fall semester 1997 and thereafter, a student cannot graduate from the University with an “I” on the transcript. The incomplete must be changed within one year of the last day of the term attempted or prior to graduation from the University, whichever comes first. Unresolved incomplete grades automatically will be changed to “F” by the Registrar’s Office. Unresolved “I” grades in courses graded with “S” or “U” will be converted to “U.”

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

A grade will not be changed after a degree has been conferred. The Registrar will change a student’s academic status if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

Grade Reports
Grades are available from myUCF at https://my.ucf.edu or 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 must observe any special attendance regulations stipulated by their college, school, department, program, or instructor. Reasons for acceptable absences may include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional conferences), military obligations, severe weather conditions, and religious holidays.

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on 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)
Senior:

Junior:

All post-baccalaureate students are considered as non-degree (one working toward another baccalaureate degree), who has a baccalaureate degree but has not been admitted to a graduate program. All post-baccalaureate students are considered as non-degree undergraduates for all University policies and procedures.

Graduate:

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

Other Student Classifications:

Auditor:

A student registered for any credit course who is not seeking credit.

Co-op Student:

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

Special Student:

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

Temporary:

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

Transient:

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

Limited Non-Degree Seeking:

A student earning credit, but not working on a degree program.

Provisional:

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

Academic Honors

President’s Honor Roll Certificate (Full-Time Award)

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

President’s Honor Roll Certificate (Part-Time Award)

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

Dean’s List

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

Baccalaureate Honors and Diplomas

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

1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;

2. 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 2.5 percent
   - Cum Laude for those students in the upper 10 percent, but not in the upper five percent
Grade Forgiveness

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

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student's official transcript. The original course grade will be marked with a "T" to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an "R." The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA;
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;
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 be calculated into the second grade;
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 Public Community College or State University. Grade forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida Public Community College or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e., academic probation or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once;
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 Term GPA is excluded from the University. Exclusion is most serious and students are not eligible for readmission after Exclusion. An individual who has been Excluded will not be considered for readmission, and may not appeal any failure to be readmitted following Exclusion.

Earning Credit While Disqualified

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

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

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

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

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

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

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

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

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

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

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

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

Appeal
There is no appeal of the University’s decision not to admit or readmit a student based on past misconduct. According to the Florida Administrative Code 6C-6.001(4): “Applicants denied admission shall
be given notice of the denial within a reasonable period of time 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 Academic Regulations and Procedures; 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 Admission and Standards Committee. The appealing student must satisfy the following requirements before the Registrar’s Office will forward the appeal to the Committee: 1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161); 2. Prepare a written statement explaining 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). Excepting 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.

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

To apply for entrance into the Academic Amnesty Program, the student must:
1) Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of actions 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.


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.). Graduate 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.
Transcript Requests

Requests for official transcripts are made online via myUCF (https://my.ucf.edu), through the Registrar’s Office in person, or by mail. “Transcript Request Forms” are also available on the Registrar’s Office website at http://www.registrar.ucf.edu/forms/transcript_request/. A student’s academic record can be released only upon written authorization signed by the student. Telephone and 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 that office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail written requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. Requests require at least 2 business days to process. Transcripts not claimed within 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.

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

Extenuating Circumstances

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

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

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

Financial Hardship:

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

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

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

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 account with 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/concentra-

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 require-

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 scanned either as a paper form or are digitally scanned. Once the student has been absent from the University for three academic years, all records may be transferred to optical disk storage and the paper copies destroyed.
Family Educational Rights and Privacy Act (FERPA)
The procedures for protecting the confidentiality of student records are based on state regulations and the federal Family Educational Rights and Privacy Act of 1974. FERPA affords students certain rights with respect to their education records. They are:

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

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

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

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by a State University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:
   Family Policy Compliance Office
   U.S. Department of Education
   400 Maryland Avenue, SW
   Washington DC, 20202-4605

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

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

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

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

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

Higher Education Act
Lists, descriptions, and sources of information required for disclosure under the Higher Education Act may be obtained from the Registrar’s Office (MH 161) or from http://www.registrar.ucf.edu/heal.
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 test areas for which credit may be awarded.

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<td>Japanese Language &amp; Culture</td>
<td>JPN 2200</td>
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<td>Latin: Literature</td>
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<td>Music Theory</td>
<td>MUT 1001 if composite score is 3 or higher</td>
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<td>Physics C. Electricity/Magnetism</td>
<td>PHY 2054C</td>
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<td>PHY 2048C</td>
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<td>Physics C. Mechanics</td>
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<td>Russian Language &amp; Culture</td>
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<td>SPN 3100 &amp; 3201</td>
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<td>Statistics</td>
<td>STA 2023</td>
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<td>Studio Art: Drawing Portfolio</td>
<td>ART 2300C</td>
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<td>Studio Art: 2-D Design Portfolio</td>
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<tr>
<td>Studio Art: 3-D Design Portfolio</td>
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<td>United States History</td>
<td>AMH 1000</td>
<td>AMH 2010 &amp; 2020</td>
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<td>World History</td>
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<td>CUL &amp; HIS Found 1</td>
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<td>Same as 3</td>
<td>Same as 3</td>
<td>Same as 3</td>
</tr>
</tbody>
</table>

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

Advanced Placement Language (all modern languages)

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

Advanced Placement Literature (all modern languages)

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

Advanced Placement Latin

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

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

International Baccalaureate Program

(see table on next page)

Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit for scores of four or higher in the 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 mini-
Credit is awarded for scaled scores of 50 or higher on computer-based College Level Examination Program (CLEP) level exams only for others.

**Language A2 (language and literature courses for highly proficient speakers; uncommon in Florida)**
No direct equivalent. Content of Language A2 varies widely. Minimum 3 credits language or literature for score of 4, 6 credits of language or literature for a score of 5-7.

**Language A1 (literature courses for native speakers; languages other than English)**
No direct equivalent. Content of Language A1 varies widely. Minimum 3 credits in literature for score of 4, 6 credits for score of 5-7.

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

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

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

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

### CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
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</tr>
<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
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<tr>
<td>Art and Design (A-Level)</td>
<td>ART 1906</td>
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<tr>
<td>Art and Design (AS-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 1010C and BSC 1906</td>
<td>SCI Found 2</td>
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<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 2905</td>
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<tr>
<td>Chemistry (AS-Level)</td>
<td>CHM 1020/1020L</td>
<td>SCI Found 1</td>
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<td>Chemistry (A-Level)</td>
<td>CHM 1020C and CHM 2045C</td>
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<tr>
<td>Computing (AS-Level)</td>
<td>CGS 1073</td>
<td>MAT Found 2</td>
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<td>Computing (A-Level)</td>
<td>CGS 1073 and CGS 1074</td>
<td>MAT Found 2</td>
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<td>Design &amp; Technology (AS-Level)</td>
<td>ETI 1482C</td>
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<td>Design &amp; Technology (A-Level)</td>
<td>ETI 1482C and ETI 1906</td>
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<tr>
<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
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<td>Economics (A-Level)</td>
<td>ECO 2013 and ECO 2023</td>
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<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>
<td>COM Found 1</td>
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<tr>
<td>Environmental Management (AS-Level)</td>
<td>EVR 1001C</td>
<td>SCI Found 2</td>
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<tr>
<td>French Language (AS-Level)</td>
<td>FRE 1121</td>
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<td>French Language (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
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<tr>
<td>Further Mathematics (A-Level)</td>
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<td>MAT Found 1</td>
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<tr>
<td>General Paper</td>
<td>IDS 1110</td>
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<tr>
<td>Geography (AS-Level)</td>
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<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
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<td>German Language (AS-Level)</td>
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<td>GER 1121 and GER 2200</td>
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<td>History (A-Level)</td>
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<td>Latin (AS-Level)</td>
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<td>Marine Science (AS-Level)</td>
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<td>Marine Science (A-Level)</td>
<td>OCE 1001 and OCB 1000</td>
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<td>Mathematics (AS-Level)</td>
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<td>MAT Found 1</td>
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<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
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<td>Music (AS-Level)</td>
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<td>Music (A-Level)</td>
<td>MUH 1001 and MUH 2001</td>
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<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
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<td>Physics (A-Level)</td>
<td>PHY 2053C and PHY 2054C</td>
<td>SCI Found 1</td>
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<td>Psychology (AS-Level)</td>
<td>PSY 2012</td>
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<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SOC Found 2</td>
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<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
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<td>Spanish Language (AS-Level)</td>
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<td>Spanish (A-Level)</td>
<td>SPN 2230 and SPN 2231</td>
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<td>Spanish Literature (AS-Level)</td>
<td>SPN 3100</td>
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<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and PHI 1906</td>
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<td>HFT 1000</td>
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<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and HFT 1906</td>
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</table>

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

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

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

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**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/level](http://www.cie.org.uk/qualifications/academic/uppersec/level).

**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 Dantex Examination credit. For additional information: [http://www.getcollegecredit.com](http://www.getcollegecredit.com).

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

### DANTES SUBJECT STANDARDIZED TESTS (DSST)

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<th>GEP Usage</th>
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<td>Art of the Western World</td>
<td>ARH 2000</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
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<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>CBJ 1000</td>
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<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
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<td>46</td>
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<tr>
<td>Ethics in America</td>
<td>PHU 1630</td>
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<td>46</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
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<td>47</td>
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<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
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<tr>
<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
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<tr>
<td>General Anthropology</td>
<td>ANT 2000</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>
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<td>46</td>
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<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
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<td>48</td>
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<tr>
<td>Intro to Computing</td>
<td>CJS 1060</td>
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<tr>
<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
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<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
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<tr>
<td>Introduction to Business</td>
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<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
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<td>Lifespan Developmental Psychol</td>
<td>DEP 2004</td>
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<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>Personnel Finance</td>
<td>FIN 1100</td>
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<td>Physical Geology</td>
<td>GLY 1000</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
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<td>Principles of Financial Account</td>
<td>ACG 1001</td>
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<td>Principles of Physical Science</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
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<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>COM Found 3</td>
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<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2</td>
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<tr>
<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1056</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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### EXCELSIOR COLLEGE EXAMINATIONS TABLE

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

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[EXCELSIOR COLLEGE EXAMINATIONS TABLE]
Requirements for Graduation

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

- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a “C” average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 39 hours in regular courses at UCF. Credit by Examination may not be used to satisfy this requirement;
- Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require 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 CLAS 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 of a student transferring from Florida public community colleges, state colleges, or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

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

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

General Education Program (GEP)

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

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

General Education Program Learning Objectives

Communications Foundation

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

Cultural and Historical Foundation

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

Mathematical Foundation

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

Social Foundation

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

Science Foundation

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

<table>
<thead>
<tr>
<th>General Education Program (GEP) Courses (36 credit hours required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)</td>
</tr>
<tr>
<td>Satisfactorily complete one course in each of the twelve numbered areas.........36 hours</td>
</tr>
<tr>
<td><strong>A. Communication Foundation</strong> ...................................................9 hours</td>
</tr>
<tr>
<td>1. ENC 1101 Composition I 1, 2 ..................................................3(3,0)</td>
</tr>
<tr>
<td>2. ENC 1102 Composition II PR: ENC 1101 1, 2 .................................3(3,0)</td>
</tr>
<tr>
<td>3. SPC 1608 Fundamentals of Oral Communication ..............................3(3,0)</td>
</tr>
<tr>
<td><strong>B. Cultural and Historical Foundation</strong> .....................................9 hours</td>
</tr>
<tr>
<td>1. EUH 2000 Western Civilization I 2 ..............................................3(3,0)</td>
</tr>
<tr>
<td>2. ARH 2050 History of Western Art I ...........................................3(3,0)</td>
</tr>
<tr>
<td>3. Take one additional course from either B1 or B2 ..............................</td>
</tr>
<tr>
<td><strong>C. Mathematical Foundation</strong> ..................................................6 hours</td>
</tr>
<tr>
<td>1. MAC 1105 College Algebra 2 .......................................................3(3,0)</td>
</tr>
<tr>
<td>2. CGS 1060C Introduction to Computer Science 2 .............................3(3,0)</td>
</tr>
<tr>
<td><strong>D. Social Foundation</strong> ..........................6 hours</td>
</tr>
<tr>
<td>1. ECO 2013 Principles of Microeconomics ......................................3(3,0)</td>
</tr>
<tr>
<td>2. PSY 2012 Introduction to Psychological Science ............................3(3,0)</td>
</tr>
<tr>
<td><strong>E. Science Foundation</strong> ...................................................6 hours</td>
</tr>
<tr>
<td>1. AST 2002 Astronomy ....................................................................3(3,0)</td>
</tr>
<tr>
<td>2. BSC 1005 Biological Principles ..................................................3(3,0)</td>
</tr>
</tbody>
</table>

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

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

**Alternate Courses:**

**General Education Program**

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

**GEP Requirement**

MAC 1105 (College Algebra)  
MAC 1114, MAC 1140, MAC 2233, 
MAC 2253, MAC 2311, MAC 2312, 
MAC 2313

MUF 1106 (Finite Mathematics)  
MUF 1107

PHY 2053C (Physics)  
PHY 2048, PHY 2049, PHY 2054C, 
PHY 2014C, PHY 5015C

CHM 1020 (Chemistry)  
CHM 2045C, CHM 1032, 
CHM 1440, 
CHM 2040C & CHM 2041C

BSC 1005 or  
BSC 1050 (Biology)

GEO 1200 (Geography)  
GEO 2370

CGS 1060C  
CGS 2100C, COP 2500C, 
(Cop Intro to Computer)  
COP 3502C, COP 3100C

STA 2014C (Statistics)  
STA 2023, STA 3032

THE 2000 (Theatre)  
THE 2020

FIL 1000 (Cinema Survey)  
FIL 2030, FIL 3036, FIL 3037

MUL 100 (Enjoyment of Music)  
MUL 2017, MUL 2019, MUL 3212, 
MUL 2016, MUL 2720

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

**Diversity Requirement**

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

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

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

**Education Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Department/Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>General Sociology</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
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</table>

**Other Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Department/Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3422</td>
<td>Frontier Florida</td>
</tr>
<tr>
<td>AMH 3425</td>
<td>Sunbelt Florida</td>
</tr>
<tr>
<td>AMH 3562</td>
<td>Women in American History II</td>
</tr>
</tbody>
</table>
Undergraduate Degree Requirements

AML 3283 Contemporary American Women’s Fiction
AML 3615 Haifn, 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 4461 Intercultural Communication
CPD 3034 Politics of Developing Areas
EDS 2085 Teaching Diverse Populations
EDU 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 4615 African-American Styles of Communication
AML 3682 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 4830 World Legal Systems
PLA 4472 Employment Discrimination Law
POS 3027 Cultural Pluralism and Law
PUP 3325 Women and Politics
PUP 4204 Sustainability
SOW 3220 Social Work with Minorities
SPW 4772 Black Presence in Contemporary Latin America
SYO 3800 Sex Roles in Modern Society
SYG 4732 Minority Aging
THE 3230 Community 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 each listing.

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

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:
GED Courses Which Satisfy:
1. Six hours of mathematics at the level of college algebra or higher
2. Two hours of mathematical science (2) Statistics or computer science
Any 3000-level or above course in mathematics, statistics, or computer science also may be used toward fulfillment of the mathematics portion of the “Gordon Rule” Requirement.

2. Six hours of English coursework
3. Six hours of additional coursework
4. Specifically identified courses and college level writing

General Education courses that apply to the Gordon Rule Writing Requirement:
ENC 1101 Composition I
ENC 1102 Composition II
LIT 2110 World Literature I
LIT 2120 World Literature II
AMH 2010 U.S. History: 1492-1877
AMH 2020 U.S. History: 1877-Present
EUN 2000 Western Civilization I
EUN 2001 Western Civilization II
HUM 2210 Humanistic Tradition I
HUM 2230 Humanistic Tradition II
WOH 2012 World Civilization I
WOH 2013 World Civilization II
Non-Gen 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
LIT 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4160 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4270 United States History: 1939-1960
AML 3031 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women’s Fiction
AML 3286 Early American Women’s Words
AML 3514 Topics in African-American Literature
## Undergraduate Degree Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana</td>
</tr>
<tr>
<td>AML 3643</td>
<td>Contemporary American Prose and Poetry</td>
</tr>
<tr>
<td>AML 3682</td>
<td>Ethnic Literature in America</td>
</tr>
<tr>
<td>AML 3682H</td>
<td>Honors Ethnic Literature in America</td>
</tr>
<tr>
<td>AML 4011</td>
<td>American Novel</td>
</tr>
<tr>
<td>AML 4153</td>
<td>American Poetry at Mid-Century</td>
</tr>
<tr>
<td>AML 4155</td>
<td>Modern American Poetry</td>
</tr>
<tr>
<td>AML 4261</td>
<td>Literature of the South</td>
</tr>
<tr>
<td>AML 4265</td>
<td>Florida Writers</td>
</tr>
<tr>
<td>AML 4300</td>
<td>Major American Authors</td>
</tr>
<tr>
<td>AML 3934</td>
<td>Whitman and His Heirs</td>
</tr>
<tr>
<td>AML 3931</td>
<td>Modern American Literature</td>
</tr>
<tr>
<td>AML 4630</td>
<td>Latin/Latino Literature</td>
</tr>
<tr>
<td>ANT 3163</td>
<td>Mesoamerican Archaeology</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art</td>
</tr>
<tr>
<td>ARH 4800</td>
<td>Theory and Criticism of the Visual Arts</td>
</tr>
<tr>
<td>EAS 4700C</td>
<td>Aerospace Design I</td>
</tr>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I</td>
</tr>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I</td>
</tr>
<tr>
<td>ENC 1101H</td>
<td>Honors Freshman Composition I</td>
</tr>
<tr>
<td>ENC 1102H</td>
<td>Honors Freshman Composition II</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
</tr>
<tr>
<td>ENC 3241H</td>
<td>Honors Writing for the Technical Professional</td>
</tr>
<tr>
<td>ENC 3260</td>
<td>Professional Writing</td>
</tr>
<tr>
<td>ENC 3310</td>
<td>Magazine Writing I</td>
</tr>
<tr>
<td>ENC 3311</td>
<td>Advanced Expository Writing</td>
</tr>
<tr>
<td>ENC 4215</td>
<td>Technical Publication and Project Management</td>
</tr>
<tr>
<td>ENC 4218</td>
<td>The Visual in Technical Documentation</td>
</tr>
<tr>
<td>ENC 4262</td>
<td>International Technical Communication</td>
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<tr>
<td>ENC 4265</td>
<td>Writing for the Computer Industry</td>
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<tr>
<td>ENC 4280</td>
<td>Technical Writing Style</td>
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<tr>
<td>ENC 4293</td>
<td>Usability Testing for Technical Communication</td>
</tr>
<tr>
<td>ENC 4294</td>
<td>Documentation and the Collaborative Process</td>
</tr>
<tr>
<td>ENC 4313</td>
<td>Research Writing</td>
</tr>
<tr>
<td>ENC 4360</td>
<td>Nature Writing</td>
</tr>
<tr>
<td>ENC 4414</td>
<td>Writing and Hypertext</td>
</tr>
<tr>
<td>ENG 3010</td>
<td>Practical Criticism</td>
</tr>
<tr>
<td>ENG 3014</td>
<td>Theories and Techniques of Literature Study</td>
</tr>
<tr>
<td>ENG 3073</td>
<td>Cultural Studies Literature</td>
</tr>
<tr>
<td>ENG 4114</td>
<td>Literature and Film</td>
</tr>
<tr>
<td>ENG 4614</td>
<td>Discourse of Global Culture Studies</td>
</tr>
<tr>
<td>ENL 2012</td>
<td>English Literature I</td>
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<td>ENL 2022</td>
<td>English Literature II</td>
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<td>ENL 4101</td>
<td>English Novel</td>
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<td>ENL 4220</td>
<td>English Renaissance Poetry and Prose</td>
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<td>ENL 4230</td>
<td>18th Century Studies</td>
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<td>ENL 4240</td>
<td>English Romantic Writers</td>
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<td>ENL 4253</td>
<td>The Victorian Age: Poetry</td>
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<td>ENL 4262</td>
<td>Nineteenth Century British Prose</td>
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<td>ENL 4303</td>
<td>British Authors</td>
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<td>ENL 4311</td>
<td>Chivalry</td>
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<tr>
<td>ENL 3333</td>
<td>Shakespeare Studies</td>
</tr>
<tr>
<td>EUN 2000H</td>
<td>Honors Western Civilization I</td>
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<tr>
<td>EUN 3122</td>
<td>Medieval Society and Civilization</td>
</tr>
<tr>
<td>EUN 3142</td>
<td>Renaissance and Reformation</td>
</tr>
<tr>
<td>EUN 3242</td>
<td>Modern Europe and the First World War</td>
</tr>
<tr>
<td>EUN 3281</td>
<td>Second World War and Rebirth of Europe</td>
</tr>
<tr>
<td>EUN 3451</td>
<td>History of Modern France</td>
</tr>
<tr>
<td>EUN 4284</td>
<td>Fascism and the Totalitarian Dictatorships</td>
</tr>
<tr>
<td>EUN 4465</td>
<td>Hitler's Third Reich</td>
</tr>
<tr>
<td>EUN 4500</td>
<td>English History to 1485</td>
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<tr>
<td>EUN 4501</td>
<td>English History: 1485-1815</td>
</tr>
<tr>
<td>EUN 4502</td>
<td>British History: 1815-Present</td>
</tr>
<tr>
<td>EUN 4571</td>
<td>History of Russia to 1801</td>
</tr>
<tr>
<td>EUN 4574</td>
<td>History of Russia: 1801-1917</td>
</tr>
<tr>
<td>EUN 4576</td>
<td>History of Russia in the 20th Century</td>
</tr>
<tr>
<td>EUN 4620</td>
<td>European Great Powers: 1815-1914</td>
</tr>
<tr>
<td>HIS 4150</td>
<td>History and Historians</td>
</tr>
<tr>
<td>HUM 2210H</td>
<td>Honors Humanistic Tradition I</td>
</tr>
<tr>
<td>HUM 3220</td>
<td>Contemporary Multicultural Studies</td>
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<tr>
<td>HUM 3394</td>
<td>Representations of Place and Space</td>
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<td>HUM 3401</td>
<td>Asian Humanities</td>
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<td>HUM 3431</td>
<td>Ancient Humanities</td>
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<td>HUM 3460</td>
<td>Latin American Humanities</td>
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<td>HUM 3553</td>
<td>Moses, Jesus and Muhammad</td>
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<td>JOU 2100C</td>
<td>News Reporting</td>
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<td>JOU 3101</td>
<td>Advanced Reporting</td>
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<tr>
<td>LAH 3470</td>
<td>History of the Caribbean</td>
</tr>
</tbody>
</table>

### College Level Academic Skills (CLAS) Requirement

The College Level Academic Skills (CLAS) requirement is part of Florida’s system of educational accountability that measures a student’s attainment of the college-level communication and 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 CLAS 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 SAT 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 (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 hours who have not met the CLAS requirement may experience delayed course registration. Transfer students who have not met the CLAS Requirement by the time they have reached 36 hours or more of upper division credit including earned, in progress, or registered for in future terms will be prohibited from registering until the requirement is met.

CLAS Waiver
The State Board of Education and the Florida Statutes permit an institution president, under certain conditions, to grant a waiver for one or more sections of the CLAS requirement. 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 132f) and have on file documentation of his/her disability. The CLAS Waiver Committee reviews all requests for waivers on a case-by-case basis. For disability registration information, contact Student Disability Services at 407-823-2371. To obtain information about the CLAS 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. 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. The CLAS requirement; 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 Program. Graduating students must be enrolled at UCF during the term of graduation. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://www.registrar.sdes.ucf.edu/commencement.

Successful completion of the degree requirements stated in the Undergraduate Catalog under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at UCF. 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 enroll any time during the year. In 1996, the State revised the General Provisions Rule 64-4.002, at the Bureau of Teacher Certification for the State of Florida. Any teacher in the state now can use credit in correspondence courses, as appropriate, to apply toward the recertification of the teaching license. Moreover, there is no limit to the number of courses that may fulfill the requirements.

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

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.
### Associate of Arts Degree

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

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

### Baccalaureate Degrees

The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Arts in Business Administration, Bachelor of Design, Bachelor of Engineering Technology, Bachelor of Fine Arts, Bachelor of Music, Bachelor of 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, Latin American Studies, Modern Language Combination, Music, Philosophy, Religious Studies, Spanish, Theatre Studies

**Bachelor of Design (B.Des.)**

**Major:** Architecture

**Bachelor of Fine Arts (B.F.A.)**

**Majors:** Art, Film, Theatre

**Bachelor of Music (B.M.)**

**Bachelor of Music Education (B.M.E.)**

**Bachelor of Science (B.S.)**

**Majors:** Photography

#### College of Business Administration

**Bachelor of Science in Business Administration (B.S.B.A.)**

**Majors:**
- Accounting, Business Economics, Finance, General Business, Management, Marketing, Real Estate

**Bachelor of Arts (B.A.)**

**Major:** Economics

**Bachelor of Arts in Business Administration (B.A.B.A.)**  
(Regional campuses only)

#### College of Education

**Bachelor of Science (B.S.)**

**Majors:**

#### College of Engineering and Computer Science

**Bachelor of Science (B.S.)**

**Majors:**
- Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.P.E.), Computer Science (B.S.), Construction Engineering (B.S.Con.E.), Electrical Engineering (B.S.E.E.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Technology (B.S.), Mechanical Engineering (B.S.M.E.)

#### College of Health and Public Affairs

**Bachelor of Arts (B.A.)**

**Majors:** Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration

**Bachelor of Science (B.S.)**

**Majors:** Athletic Training, Communication Sciences and Disorders, Criminal Justice, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Public Administration

**Bachelor of Social Work (B.S.W.)**

**Major:** Social Work

#### College of Medicine

#### Burnett School of Biomedical Sciences

**Bachelor of Science (B.S.)**

**Majors:** Biomedical Sciences, Biotechnology, Medical Laboratory Sciences

#### College of Nursing

**Bachelor of Science in Nursing (B.S.N.)**

**Major:** Nursing

#### College of Sciences

**Bachelor of Arts (B.A.)**

**Majors:**
- Advertising-Public Relations, Anthropology, International and Global Studies, Interpersonal/Organizational Communication, Journalism, Political Science, Radio - Television, Sociology

**Bachelor of Science (B.S.)**

**Majors:** Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Social Sciences, Statistics

#### Rosen College of Hospitality Management

**Bachelor of Science (B.S.)**

**Majors:** Event Management, Hospitality Management, Restaurant and Foodservice Management

#### Office of Undergraduate Studies

**Bachelor of Applied Science (B.A.S.)**  
(Regional campuses only)

**Bachelor of Arts (B.A.)**

**Major:** Interdisciplinary Studies

**Bachelor of Science (B.S.)**

**Major:** Interdisciplinary Studies
### Academic Minors by College

<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Engineering and Computer Science</td>
<td>Aerospace Studies, Bioengineering, Computer Science, Energy and Sustainability, Engineering Leadership, Information Technology, Intelligent Robotic Systems - Interdisciplinary, Interdisciplinary Informatics Technology, International Engineering, Military Science, Secure Computing and Networks</td>
<td>Graduate Programs</td>
<td>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.</td>
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<tr>
<td>College of Medicine</td>
<td>Burnett School of Biomedical Sciences</td>
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</table>
Committed to diversity in both the composition of its student body and the programs that it supports, The Burnett Honors College (TBHC) at UCF provides a challenging and exciting educational experience to academically talented students. TBHC combines the atmosphere of a small liberal arts college with the intellectual stimulation of a large metropolitan research university. Honors students receive an education that prepares them to enter the best graduate and professional schools as well as pursue distinguished careers.

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

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

Students may pursue Honors through two distinct programs, University Honors and 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 state or community college that has signed an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services.

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

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

Summary Table of University Honors Requirements

<table>
<thead>
<tr>
<th>Symposium</th>
<th>Lower-division</th>
<th>Upper-division</th>
<th>Major</th>
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</thead>
<tbody>
<tr>
<td>IDH 1920H</td>
<td>4 courses</td>
<td>See requirements by College</td>
<td></td>
</tr>
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</table>

The current upper-division requirements are as follows:

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

- **University Honors Upper-Division Program Requirements:**
  - College of Business Administration (excluding Economics B.A.)
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Business courses
  - BUL 3130H Legal and Ethical Environ't of Business
  - GEB 3368H Introduction to International Business
  - MAR 3023H Marketing
  - FIN 3403H Business Finance
  - MAR 3025H Management of Organizations
  - MAR 3391H Professional Selling

**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.

- **University Honors Upper-Division Program Requirements:**
  - College of Engineering and Computer Science (Excluding Computer Science and Information Technology majors)
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Engineering courses
  - STA 3023H Probability and Statistics for Engineers
  - EGN 3310H Engineering Analysis-Statics
  - EGN 3321H Engineering Analysis-Dynamics
  - EGN 3373H Principles of Electrical Engineering
  - EEL 4819H Machine Learning I
  - EEL 4817H Machine Learning II

Consult an Honors advisor to find out when these courses are being offered.

- **University Honors Upper-Division Program Requirements:**
  - College of Medicine (excluding Medical Laboratory Sciences majors)
    1. Complete one Honors Interdisciplinary Seminar
    2. Complete two of the following Honors upper-division courses
    - BSC 3403H Quantitative Biological Methods
    - MCB 3020H Microbiology
    - ZOO 3733H Human Anatomy
    - PCB 3703H Human Physiology
    - PCB 3733H Molecular Biology II
    - ZOO 4704H Clinical Neuroradiology

Consult an Honors advisor to find out when these courses are being offered.

**Acceptable Waivers**

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

**Notes**

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

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.

**Honors in the Major**

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

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

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but not more than six hours of Directed Readings course work as determined by the academic department; and at least three but not more than 12 hours of Honors Thesis or Project work taken in the college or department of major. Engineering majors 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 project or thesis Chair. It is the student’s responsibility to obtain an Honors in the Major Committee Chair who will undertake the responsibility of directing the Honors Directed Readings and Thesis and, in consultation with the student, form the Honors in the Major faculty committee. The Thesis Committee Chair and at least two committee members must be tenured or tenure-earning faculty. The student is responsible for filing an application with TBHC to begin Honors in the Major, which must be signed by the Thesis Committee Chair, the Honors Coordinator of the major department, and the Director of Research and Civic Engagement of TBHC. The student must receive a grade of at least “B” in all Honors in the Major course work to be awarded Honors in the Major.

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

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

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

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

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

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

Associate Dean: Lyman Brodie  
CAH 190; 407-823-2251

Associate Dean: Lynn Hepner  
CAH 190; 407-823-2251

Assistant Dean: Paul Lartonoix  
CAH 190; 407-823-2251

The College of Arts and Humanities includes the following departments: English, Film, Modern Languages & Literatures, History, Music, Philosophy, Theatre, and Writing & Rhetoric. The College also houses programs in American Studies, Asian Studies, Judaic Studies, Latin American Studies, Caribbean and Latin/o/a Studies, Women’s Studies, and Middle Eastern Studies. The college also oversees the School of Visual Arts and Design, which offers degrees in art, architecture, 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 201; 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 assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 201 or by calling 407-823-3312. Questions concerning the requirements within a major should be directed to the Department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

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

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

African American Studies - Contact: TBA; 407-823-0026
American Studies - Contact: Lyman Brodie; 407-823-2251
Asiatic Studies - Contact: Paul Giordano; 407-823-2472
Judaic Studies - Contact: Moshe Pelli; 407-823-5039
Latin American, Caribbean and Latino/a Studies - Contact: José Maunez-Cuadra; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225

International Study Centers

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

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

Programs, Tracks, and Degrees

Title          Degree
African-American Studies Minor
American Studies Minor
Architecture BD
Asiatic Studies Minor
Asian Studies Minor
Cinema Studies (Film) BA, Minor
Community Arts - PAVE Minor
Dance Minor
Digital Media BA, MA, Certificate, Minor
English BA, MA, Minor, MFA, Ph.D., Certificate
Film BFA, MFA
Modern Language Combination BA
French BA, Minor
German Minor
History BA, MA, Accelerated MA, Minor
Humanities Minor
Italian Minor
Jazz Studies Certificate
Judaic Studies Certificate, Minor
Latin American Studies BA, Minor
Middle Eastern Studies Minor
Music BA, BM, MA, Minor
Music Education BME
Performing Arts Administration Minor
Philosophy BA, Minor
Religious Studies BA, Minor
Spanish BA, MA, Minor
Teaching English as a Foreign Language (TEFL) Certificate
Teaching ESL MA
Theatre BA, BFA, MA, MFA, Minors in Dance, Theatre Translation and Interpretation Certificate
Women's Studies Minor, Certificate
Writing and Rhetoric Minor, Certificate

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: Janki Maraj
VAB 117; 407-823-3145
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: Patrick Murphy
CNH 405; 407-823-1159
E-mail: english@ucf.edu
http://www.english.cah.ucf.edu
Faculty: Angley, Applen, Bartkevicius, Campbell, Casmier-Paz, Cato, Dombrowski, Flammia, Grajeda, Hasanat, Hepner, Hohenleitner, Hubbard, A. Jones, D. Jones, Kamrath, Kessler, Lillios, Logan, Mauer, Menah, Moody, Morton, Murphy, Neal, Oliver, Pugh, Rodriguez, Milanes, Roney, Rushin, Saper, Schell, Seidel, Spraker, Stap, Telep, Thaxter, Trouard, Young; Professors Emeriti: Adicks, Barnes, Omans, Schillhorst
The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, Linguistics, rhetoric, and creative, expository, and technical writing. Students may concentrate in creative writing, technical communication, or literature. The Department serves the broad needs of the University with course offerings in writing and literature for students from other departments. The department has a Technical Documentation Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional students, leading to graduation with honors. Program description follows concentration degree plans.
Degrees: English (BA, MA), Creative Writing (MFA), Texts & Technology (Ph.D)
Tracks: Creative Writing, Literature, Linguistics, Medieval/Renaissance, Technical Communication
Minors: Creative Writing, Literature, Linguistics, Medieval/Renaissance, Technical Communication

Department of Film
Interim Chair: Steve Schłow
COM 121; 407-823-0694
E-mail: film@ucf.edu
http://www.film.cah.ucf.edu
Faculty: Cook, Finch, Gerstein, Harris, Ingle, Jones, Major, Mills, Rohdie, Sandler, Schłow, Stoekel, Wolfe
Offering a four-year undergraduate curriculum, the Film Department focuses on developing a student's creative voice, appreciation and understanding of the medium. There are two programs: The BFA in production is a limited access program that stresses entrepreneurial filmmaking and the use of new technology in the production and distribution of student work. Encompassing all aspects of filmmaking from conceptualization to distribution, this program prepares students to become effective independent filmmakers. Graduating seniors are required to complete a capstone film, script, or digital media project. Concentrations include: filmmaking, screenwriting, digital cinema. The Cinema Studies BA is a rigorous course of study in film theory, criticism and history that prepares the student for work in the industry or for Graduate Study. Community partners include: Universal Studios Florida, Panavision, Kodak, Disney-MGM Studios, and the Florida Film Festival.
Students are selected for the limited access BFA by submitting an application form and creative portfolio by December 15. Complete information on faculty, curriculum, and admission requirements is available on the department website. Because this is a limited access program, students should pay close attention to the program admission requirements and check with the Department or website frequently.
Degrees: Film (BFA, MFA) Cinema Studies (BA)
Minors: Film-Cinema Studies (BA)

Department of History
Chair: Rosalind Beiler
CNH 505A; 407-823-5450
E-mail: history@ucf.edu
http://www.history.cah.ucf.edu
Faculty: Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darty, Farless, Fernandez, Foster, Gannon, Gordon, Graham, Head, Herzlthy, Kittlin, Larson, Lester, Long, Lyons, Martinez-Fernandez, O’Teresa, Ozoglu, Pineda, Sacher, Solonari, W赛尔, Walker, White, Zhang; Faculty Emeriti: Colbourn, Leckie-Reed, Pauley, Shofner
History is the study of the past. Its objective is to understand the past, and through the past, to understand the present. The discipline of history is more than 2,500 years old and remains a vital body of knowledge in the 21st century.
Students who are interested in becoming a lawyer should seriously consider a major in history as a foundation for law school. Law is a historical phenomenon and part of the political, social, and economic processes that have contributed to the success of the United States. An understanding of history lends great insight to the function of, and motives behind, the legal system. In addition, a careful study of history will enable the student to become effective in oral and written communication, while developing intellectual skills in critical thought and analysis, both of which are invaluable to the study of law.
The Department participates in the programs in Women’s Studies, American Studies, African-American Studies, Asian Studies, and Latin American, Caribbean and Latino Studies.
Degrees: History (BA, MA, Accelerated MA)
Tracks: None
Minors: History

Judaic Studies: Program
Program Director: Moshe Pelli
CNH 201; 407-823-5039 or 823-5129
E-mail: judaicst@ucf.edu
http://www.judaicstudies.cah.ucf.edu
Faculty: Hanson, Pelli
The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The program offers instruction, conducts research, and disseminates knowledge in the civilization of the Jewish people from Biblical times to the present day in the major dimensions of its creativity: literature, language, religion, philosophy, law, and social, political and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university’s curricula.
The program enables students to acquire a foundation of knowledge of Jewish history, the Hebrew language, Jewish philosophy, culture, religious beliefs, and political aspirations; and to understand the contribution of Judaism to western civilization. The courses highlight major aspects of Jewish civilization, focusing on its interaction with other cultures and on the bodies of human knowledge upon which it draws. The program is designed to serve students pursuing careers in general or
Jewish education, in communal works and Middle-Eastern affairs, in languages, humanities, or liberal arts, in the ministry or rabbinate, and in the community at large.

Degrees: None
Tracks: None
Minors: Judaic Studies, 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.lacsls.cah.ucf.edu

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

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

Middle Eastern Studies: Program
Program Director: 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.mlil.cah.ucf.edu


The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language.

These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), Modern Language Combination (BA), TESOL (MA)
Tracks: None
Minors: French, German, Italian, Spanish, TEFL (certificate)

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


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, Performing Arts Administration

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

Faculty: Brenneman, Cash, Compson, Coverston, DiBernardo, Evans, Fiore, Gallagher, Hawkins, Janz, Jones, Kassim, Mundale, Park, Schipper, Stanlick, Strawser, Vest; Professor Emeritus: Flick

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

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

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, Perry, Rusnock, Scott, Seay, Shafer, Siegfried, Smith, St. Claire, Tollefsen, Weaver, Wood, Wootton; 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
Degrees: Theatre (BA, BFA, MA, MFA)  
Tracks: Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences; Theatre Studies  
Minors: Dance, Theatre

Department of Writing and Rhetoric  
Chair: David L. Wallace  
CNH 307; 407-823-0576  
E-mail: writingandrhetoric@mail.ucf.edu  
http://writingandrhetoric.cah.ucf.edu

Faculty: Barnickel, Bell, Bibeau, Bowdon, Brain, Brodkin, Bryan, Cavanagh, Curtis, Ethridge, Frongillo, Gomrad, Hepner, Hollic, Ives, King, Kyle, Launier, Marinara, Martin, Mohrenne, Murray, Owens, Richardson, Ringfield, Rodriguez-Milanes, Saper, Schell, Schutz, Scott, Slack, Tripp, Utitch, Wallace, Wardle, Weaver, Young

The Department of Writing and Rhetoric oversees the First-Year Composition Program and offers certificate and degree programs for the focused study of writing and rhetoric, including professional and public writing, the teaching of writing, and the history and theory of rhetoric, composition, and literacy. Courses in our two undergraduate and two graduate programs emphasize, in particular, writing as civic engagement and writing with technologies. The department’s primary mission is to promote sustained writing opportunities across the university, the foundation for which we provide in first-year composition but which we also achieve through the efforts of the University Writing Program and “Knights Write” Writing across the Curriculum Program. The department celebrates student writing in Stylus, a journal for first-year writing, and the annual Knights Write Showcase.

Degrees: Rhetoric and Composition (MA)  
Tracks: None  
Minors: Writing and Rhetoric, Public and Professional Writing (certificate), Professional Writing (Graduate certificate)
College of Business Administration

Interim Dean: Foard F. Jones
BA 230: 407-823-2181
http://web.bus.ucf.edu

Associate Dean: E. Taylor Ellis
BA2 101-W: 407-823-2187
Interim Associate Dean: TBA
BA 307

The College Mission Statement can be condensed into one sentence: The College of Business Administration advances the University’s mission and goals in providing intellectual leadership through teaching, research, and service. The vision is to create within the College an environment that nurtures learning and exploration, provides opportunities for faculty to disseminate information, provides educational opportunities for students, businesses and the general public, and provides a platform for many and various forms of partnerships.

Nurturing Learning and Exploration: The College is a catalyst for students, faculty, and the general public to gain a better understanding of the various fields of business. Educational experiences inspire learning and encourage exploration.

Dissemination of Information: Students are encouraged through the learning process to gather information to be used by them in future business vocations. Both students and faculty are encouraged to pursue outlets to share “new” information within their fields and to business practitioners.

Provide Educational Opportunities: Degree seeking individuals are provided with curricula leading to baccalaureate, masters, and doctoral programs. The College is also committed to providing more opportunities with structured learning experiences that “certify” non-degree seeking individuals as having accomplished a minimum requirement for a selected career.

Provide a Platform for Partnerships: The College is engaged in specific areas of excellence that provide opportunities for learning, exploration, and sharing. These specific areas of excellence take the form of Centers and Institutes, and selected niche areas of College units.

All undergraduate and graduate programs are accredited by the Association to Advance Collegiate Schools of Business International (AACSB).

Admission to the University of Central Florida does not imply admission to the College of Business Administration. For the BSBA and BABA degrees, students will only be allowed to enroll in the 3000/4000 level courses taught by the College of Business Administration after they have been admitted to the College. Admission to the College will be granted for BSBA and BABA students when the following are complete:

- Completion of the University General Education Program or an AA degree from a Florida Public Community College, and a minimum overall GPA of 2.0.
- Common Program Prerequisites with a minimum of a 2.0 GPA and “C” or better in each class.
- Completion of all Gordon Rule requirements 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.
Grade Point Average Requirements

For graduation the student must have maintained a minimum 2.0 GPA in course work taken in the College of Business Administration and a minimum of 2.0 GPA in the course work required in the major, and a UCF minimum GPA of 2.0. In addition, all majors within the College of Business Administration also require a grade of “C” (2.0) or better in each course and prerequisite within the major.

Student Load

A student who is enrolled in 15 – 16 credit hours of course work is considered to be carrying a normal academic load. Students in the College of Business Administration desiring to take more than 17 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term must obtain permission from the College.

Community/Junior College Transfer Notes

1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida’s community and junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2201 (or ACG 2001), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.

2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of “C” (2.0) or higher transfer into the program.

3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
   a. The general education requirements, including Gordon Rule and CLAS requirements;
   b. All of the common program prerequisite courses.
   c. Courses taken at community colleges do not substitute for upper division courses.
   d. 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.
   e. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management Information Systems, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior college courses.

   7. A minimum of 12 credit hours must be completed at UCF within each individual major and a minimum of 30 hours of upper level courses within the UCF College of Business.
few of these issues. The primary strength of Economics is that it provides a logical, ordered way of looking at most problems and issues. Undergraduate education in Economics equips individuals to both better understand and seek solutions to these issues.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program 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.)
**Minors:** Economics, Economic Policy

### Department of Finance

**Chair:** A. Byrd
**BA 409; 407-823-3575**

**Faculty:** Ajayi, Anderson, Borde, Botts, Byrd, Chen, Choi, Curcio, Frye, Gatchev, Gilkeson, Gregg, Park, Ramanal, Schnitzlein, Singer, Smith, Swoe, 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:** S. Goodman
**BA 335; 407-823-2679**

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

### Department of Management

**Chair:** Steven Goodman
**BA 335; 407-823-2679**

**Faculty:** Ambrose, Becker, Blencoe, Boettcher, Cleavenger, Connell, Folger, C. Ford, R. Ford, Harris, Holland, Keon, McDonald, Migenes, Nichols, O’Neal, Putchinski La, Putchinski, L. Quinn, Rockmore, Schminke, Tzabbar, Viggiano

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

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

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

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

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

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

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**College of Business Administration**

**UNIVERSITY OF CENTRAL FLORIDA**

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

The department offers a 19-hour minor in Marketing. This course of study provides a strong basic education in Marketing for business students with majors other than Marketing or students with majors from other colleges. Earning a minor in Marketing can add significant value and career flexibility for any student with any major.

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

Distinctive Benefits
- Curriculum for marketing majors recognized as one of the most innovative in the country.
- Professional Selling Program track offered within the major—competitive entry.
- Seven certificate programs are available for marketing majors.
- A 19-hour marketing minor is available for students with other majors.
- Seventeen dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offering each semester and summer— you can finish.
- Strong emphasis on preparing students for marketing management careers.
- Approximately 15 scholarships awarded annually on a competitive basis.
- Opportunities to participate in honors in the major and internships.
- Opportunities to participate in student chapters of The Society for Marketing Professional Services (SMPS) and the Sales Club.

Degrees: Marketing (BSBA)
Tracks: Generalist, Professional Selling Program
Minor: Marketing

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.oead.ucf.edu/alc/alc_students_cba.htm](http://www.oead.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, exceptional education, technical education and industry training, and sport and exercise science professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education is the leading source of education baccalaureate degrees in the State of Florida.

Art Education
Early Childhood Development and Education
Elementary Education
English Language Arts Education
Exceptional Student Education
Foreign Language Education
Mathematics Education
Science Education
Social Science Education
Sport and Exercise Science
Technical Education and Industry Training

Success to Significance
- America’s 100 Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices
- Partnerships with twelve Central Florida school districts
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Academy for Teaching, Learning and Leadership
- Toni Jennings Exceptional Education Institute
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly effective teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- Majors in Early Childhood, Elementary, 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)
Admission to the College of Education

Admission to the College will be granted when students meet the following requirements:

- Complete the University General Education requirements or an equivalent (i.e. an AA degree from an approved Florida community college or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Development and Education.
- Pass all four parts of the General Knowledge Test and/or CLAS. It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year.
- Complete education common program prerequisite courses with a minimum letter grade of “C-” (1.75) or better and a 2.0 GPA overall in the education common program prerequisite area.

Transfer Notes:

Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida Public Community College are cautioned to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:

1. Meet college advising representatives in a group setting during orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education Academic Advising Center (ED 115) 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 registration to:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
2. View a Degree Audit through myUCF. Students must register themselves for the internship course and co-requisite (if applicable)
3. Be recommended by the faculty of the department of the student’s major.
4. 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.

Office of Student Affairs

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

Mission Statement

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

Clinical Experiences

Director: Bryan Zugelder
ED 110, 407-823-2518
http://www.education.ucf.edu/clinicalexp/

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early practicum experiences, as well as internships. Placement of students is the responsibility of the College of Education’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education’s local partnership districts.

Students must be aware: that criminal records may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements. All applications for internships are accessed at the Clinical Experiences website and are approved by the Office of Clinical Experiences. Once applications are approved by the Office of Clinical Experiences, students must register themselves for the internship course and co-requisite (if applicable).

Application deadlines for all Internships are:

- February 15 for Fall semester
- September 15 for Spring semester

Internship I

Internship I is a three semester hour experience. Students are assigned to work with 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 II.
- 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. 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 and specialization areas. (A minimum of 2.75 GPA is required for Early Childhood Education majors.)
Complete a formal application for Internship II by the published deadline
Be recommended by the faculty of the department of the student's major
Meet any special departmental or program requirements

Some programs require that all methods and specialization courses shall be completed prior to Internship II. Students must also be approved for admission by the faculty in the department of the student's major. The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences.

*Some programs may specify a different GPA requirement for admission

Minority Teacher Recruitment and Retention Program (MTRRP)
Caroline Marrett
ED 110; 407-823-4409
http://education.ucf.edu/mtrrp/

Minority Teacher Recruitment and Retention Program (MTRRP) is designed to recruit and retain diverse students as they prepare for a career in education. MTRRP provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty mentor in the College.

Student Services
Director, Undergraduate Services: Sandra L. Bulger
ED 110; 407-823-3723
Assistant Director, Undergraduate Services: Andrea Small
ED 110, 407-823-3723
Director, Graduate Services: Andrea Withington
ED 110; 407-823-3723

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

Admission to the University of Central Florida does not imply admission to the College of Education. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education after they have been admitted to the College. Admission includes having a minimum 2.5 overall GPA (2.75 for Early Childhood Development and Education) and passing scores on the General Knowledge Test (GKT).

Program Objectives
- Recruit and retain diverse students interested in careers in teaching
- Promote academic excellence and foster professional development
- Provide service learning opportunities
- Encourage community involvement and commitment

Scholarship Requirements
Students must meet the following criteria:
- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida resident
- Be admitted into the UCF-College of Education 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

Graduation Requirements
To qualify for graduation, a student must successfully complete all coursework to include a minimum overall GPA of 2.5 (2.75 for Early Childhood Development and Education majors), a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students in state-approved initial teacher preparation programs must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines.

Alternative Certification for Non-Degree Students
All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or master's degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Teacher Education.
The Department of Educational and Human Sciences (EHS) is primarily a graduate department that offers courses and graduate programs in Counseling Education & School Psychology: Higher Education & Policy Studies and Research, Measurement & Evaluation. The Department also offers a number of graduate certificate programs and provides graduate courses in educational re-search, measurement and statistics that are required courses or electives in a number of programs offered in other divisions in the college.

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

School of Teaching, Learning and Leadership
Co-Director: Karen L. Biraimah
ED 209-B; 407-823-2426
Co-Director: Michael Hynes
ED 209-D; 407-823-2005
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership
Faculty Administrators and Coordinators:
Janet Zajac
ED 206-C; 407-823-0523
Maria Cox
ED 206-D; 407-823-1763
Melissa Feyer
ED 209-C; 407-823-0303
Lindsay Archambault
ED 206-F; 407-823-2881

Faculty: Atkinson, Bai, Beverly, Boyd, Butler, Cintron, Clark, Daire, Edwards, Hagedorn, Hahs-Vaughn, Hirum, Hundley, Jones, Lambie, Miller, Owens, Robinson, Sivo, Snider, Taub, Van-Horn, Whiteman, Witta, Xu, Young

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Department of Educational and Human Sciences
Chair: Grant Hayes
ED 209-H; 407-823-8106
Academic Administrator: Brenda Thompson
ED 206-E; 407-823-6579
http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences

Faculty: Atkinson, Bai, Beverly, Boyd, Butler, Cintron, Clark, Daire, Edwards, Hagedorn, Hahs-Vaughn, Hirum, Hundley, Jones, Lambie, Miller, Owens, Robinson, Sivo, Snider, Taub, Van-Horn, Whiteman, Witta, Xu, Young

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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: Louis Chow
ENG2 202; 407-823-2156

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

Director, Academic Affairs: Melissa A. 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

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Accelerated BS/MS Degree Program

All of the Engineering and Computer Science departments except for the Department of Civil, Environmental and Construction Engineering and the Information Technology Program are offering an Accelerated BS/MS degree program which will allow students of high academic standing to complete an MS degree at an accelerated pace. The generic rule for students in this program is that they will be allowed to use up to twelve hours of selected 5000 and 6000 level courses with a grade of "B" or higher toward fulfillment of both the BS and MS degree requirements. Interested individuals should see the program descriptions in the graduate and undergraduate catalogs. They may also contact the department Undergraduate Coordinator and/or Graduate Coordinator if they have any further questions.

College Vision

Our Vision is to be recognized as one of the premier Colleges of Engineering and Computer Science locally, nationally, and internationally. While we are aware of the need to maintain our fundamental capabilities, we will pursue new opportunities in teaching, research, and outreach by leveraging UCF’s strengths in innovative partnerships, effective interdisciplinary research, and a commitment to excellence, inclusiveness, and diversity.

College Mission Statement

Our Mission is to provide high-quality, broad-based education and experience-based learning in engineering and computer science; to create knowledge through pioneering scholarship and impactful research; to enrich our students’ development and leadership skills; and to address pressing local, state, national, and international issues in support of the global community.

Our college is able to attract students who are remarkably bright and talented. They come to our college to learn and become the technological leaders of tomorrow. Our Engineering and Computer Science faculty are some of the best and brightest that one can find anywhere. They share with our students the excitement of discovery and creative research as they teach the problem solving and leadership skills that prepare our students to be productive members of society.

College Organization

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

All departments of the Engineering and Computer Science Division offer advanced studies leading to master’s degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700.

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

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, as well as visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in The Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HM).

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and who believe they have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4970H) (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.

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 on the departments can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog.

Department of Civil, Environmental, and Construction Engineering

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

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Cooper, Duranceau, Hagen, Mackie, Madani, Nnadi, Oloufa, Radwan, Randall, Reddi, Reinhart, Wang, Yun, Zhang

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnvE), and Construction Engineering (BSConE).

The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a Project Design and Capstone Course, which synthesizes various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Civil Engineering Program faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Civil Engineering graduate education and research.

Educational Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

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

The Environmental Engineering Program
The Environmental Engineering major is concerned primarily with the interactions with humans and their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.

Environmental Engineering students are required to take a Project Design and Capstone Course which 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.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Environmental Engineering graduate education and research.

Educational Objectives
Within the first several years following graduation, graduates should:
1. Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields and/or be continuing their studies at the graduate level.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

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

The Construction Engineering Program
The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission
The Construction Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Construction Engineering graduate education and research.

Educational Objectives
Within the first several years following graduation, graduates should:
1. Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or be continuing their studies at the graduate level.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

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

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

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

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

Additional notes:
- The extra hours represent at least one additional semester of full-time enrollment.
- All majors completed will be indicated on the student’s transcript.

Civil Engineering Major Pursuing Environmental Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: An Earth Science (GEP), A Biological Science (3hrs), CHM 2045C (4hrs), CHM 2206C (3hrs), CHM 2206L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (3hrs), Water Resources Engineering 2 (3hrs), Environmental Engineering Operations & Processes 2 (3hrs), and an Environmental Design course (3hrs).

Civil Engineering Major Pursuing Construction Engineering Additional Degree

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

Environmental Engineering Major Pursuing Civil Engineering Additional Degree

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

Department of Electrical Engineering and Computer Science

Computer Science Division

Interim Chair: Gary T. Leavens

HEC 437; 407-823-3957

Faculty: Bassioumi, Boloni, Chatterjee, da Vitoria Lobo, Deo, Dechey, Foroosh, Gomez, Gonzalez, Guha, Heinrich, Hu, Hughes, Jha, Lang, LaVioia, Leavens, Marinescu, Orooji, Pattanaik, Shah, Stanley, Sulthankar, Tappen, Turgut, Wocjan, A. Wu, Zhang, Zhou

The Computer Science Program

The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition, the program offers minors in Computer Science and Information Technology.

The program strives to meet the requirements for professional careers and in research in software development and computing systems technology by producing graduates with a broad base of formal course work. Students may use restricted elective credit to concentrate their degree in one of many research areas, including computational biotechnology, computational complexity, computational geometry, computer architecture, computer graphics, computer networks, computer simulation, computer vision, databases systems, design and analysis of algorithms, distributed computing, digital media, evolutionary computing, graph theory, human-computer interaction, machine learning, mixed and virtual reality, multi-agent systems, natural language processing and knowledge systems, parallel and distributed computing systems, parallel processing, quantum computing, software engineering and VLSI design tools and hardware algorithms.

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds from EECS. To learn about the current status of research faculty and projects, visit faculty web pages. These may be found by following links from the EECS home page at http://www.eecs.ucf.edu/.

Mission

The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computing technology, and for a lifetime of learning.

Educational Objectives

1. To give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. Prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance and administration.

Program Outcomes

1. All graduating CS majors, by the time of their graduation, shall be able to apply knowledge of computing and mathematics appropriate to their discipline; specifically to include the application of mathematics, science and engineering to solve and reason about computational problems.
2. All graduating CS majors, by the time of their graduation, shall be able to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. All graduating CS majors, by the time of their graduation, shall be able to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs and budget, by applying best practices in software development processes, methods, and tools.
4. All graduating CS majors, by the time of their graduation, shall be able to function effectively on teams to accomplish a common goal.
5. All graduating CS majors, by the time of their graduation, shall be able to demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
6. All graduating CS majors, by the time of their graduation, shall be able to communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computer systems and its implications.
7. All graduating CS majors, by the time of their graduation, shall be able to analyze the local and global impact of computing on individuals, organizations and society.
8. All graduating CS majors, by the time of their graduation, shall be able to recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.
9. All graduating CS majors, by the time of their graduation, shall be able to use current techniques, skills, and tools necessary for computing practices.
10. All graduating CS majors, by the time of their graduation, shall be able to apply mathematical foundations and computer science theory, in particular principles of algorithmic design and complex-
The Information Technology Program

The Information Technology Program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer hardware, software, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web server design. The program provides students a strong conceptual core, which will prepare them to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to deal with the subject areas and communicate in the parlance of the industries in which they choose to work. The curriculum also includes up to 12 hours of free electives that allow students to pursue a minor degree or concentration area such as education, health, business, or criminal justice, to which information technology may be applied.

Mission

The mission of the Bachelor of Science in Information Technology Degree Program is to educate students in the science and practices of information technology, preparing them for a lifetime of learning and for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.

Educational Objectives

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 application developer, webmaster, database administration, IT project lead, 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, and 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 solutions 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.

The Electrical and Computer Engineering Division

Interim Chair: Zhihua Qu

HEC 439C; 407-823-2787

Faculty: Batarseh, Behal, DeMara, Georgiopoulos, Gong, Haralambus, Jones, Kaspersis, Lee, Lin, Liou, Loftfard, Malocha, Mikhail, Qu, Richie, Shen, Simaan, Sundaram, Wahid, Wang, Weeks, Wei, T. Wu, Yuan

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

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

The Computer Engineering Program

The Computer Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 4767C and EEL 4768C), Computer Science I (COP 3502) and Digital Systems (EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission

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

Educational Objectives

The objectives of the Cpe Program at UCF are that:  

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

2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.

3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Program Outcomes

Graduates of the Computer Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering.

2. An ability to design and conduct experiments, as well as to analyze, 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,
College of Engineering and Computer Science

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

The Electrical Engineering Program
The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4767C), Networks and Systems (EEL 3123C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/ power electronics.

Mission
The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering

Educational Objectives
The objectives of the EE Program at UCF are that:
1. Graduates demonstrate competence leading to success in technical career within the areas of Electrical Engineering.
2. Graduates demonstrate competence in effective communication, teamwork, and leadership skills leading to a successful career in their profession.
3. Graduates demonstrate the pursuit of lifelong learning in their areas of interest, including graduate studies, membership in professional societies, and participating in training opportunities.

Program Outcomes
Graduates of the Electrical Engineering program should attain:
1. An ability to apply knowledge of mathematics, science, and engineering
2. An ability to design and conduct experiments, as well as to analyze and interpret data
3. An ability to design a system, component, or process to meet specified 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 breadth of education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
9. A recognition of the need for, and an ability to engage in life-long learning
10. A knowledge of contemporary issues
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
12. Knowledge of probability and statistics necessary for use in electrical engineering practice
13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.

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

Department of Electrical Engineering and Computer Science Policies and Procedures
The Department’s website (http://www.eecs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send e-mail and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems
Chair: Waldemar Karwowski
ENGZ 312; 407-823-2204; Fax: 407-823-3413

Faculty: Calabrese, Crompton-Young, Elshennawy, Geiger, Hoekstra, Karwowski, Kotnour, Lee, McCauley-Bush, Mollaghasemi, Nazzal, Pet-Armacost, Proctor, Rabelo, Reilly, Sala-Diakanda, Sepulveda, Thompson, Williams

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.

Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufacturing, distribution, and management system of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day-to-day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and production flow in EIN 3354, to facilities design and layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4516 and EIN 4891.

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

Educational Objectives:
1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To provide students with specific advice and assistance in meeting the unique needs of particular students.
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

Chair: Suhada Jayasuriya
ENGR 307; 407-823-2416; Fax: 407-823-0208

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 providing the highest quality engineering professionals and leaders. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives
1. Career Preparation: The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.
2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These skills include understanding contemporary topics in aerospace technology, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. Life-long Learning: To produce graduates who believe that their undergraduate aerospace engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes
1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structures, propulsion, flight mechanics and stability and control. Students emphasizing astronautics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, etc.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently using information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.
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 and select the tradeoffs for each option, to understand the need for 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 providing the highest quality engineering professionals and leaders. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives
1. Career Preparation: The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize mechanical systems, 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 a bench 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 prepare 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 prepare graduates who believe that their undergraduate mechanical engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes
1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems, energy systems or material engineering with an emphasis on design.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently using information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from mechanical engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis, and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary mechanical engineering applications of technology and their uses in engineering practice.

Reserve Officer Training Corps
Air Force ROTC (Aerospace Studies)
Chair: Col. Michael J. Chandler
Faculty/Staff: Capt. Gray, Capt. Lehmann, Capt. Johnson, MSgt Fields, SSgt Sutton, and Mrs. Fioramanti, Office Manager
The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers four-year, three-year, and two and a half-year Air Force ROTC programs. The four and three-year program provides on-campus study during the freshman through senior years. The two and a half-year program allows community college transfer students and other students with two and a half academic years remaining in either undergraduate or graduate status to earn an Air Force commission while completing their studies. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the Air Force ROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com.

Curriculum
Students enrolled in the Air Force ROTC program may major in any academic discipline and earn a minor in Aerospace Studies. A major is not offered by this department. AFROTC courses are listed under the prefix AFR. The curriculum is divided into two phases:
1. General Military Course (GMC)
   - The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the US Air Force, and the development of air power into a prime element of American national security.
2. Professional Officer Course (POC)
   - The Professional Officer Course is designed to develop and hone managerial and officer skills during a student’s junior and senior years. All students who are members of the Air Force ROTC must complete the POC curriculum. The curriculum involves the study of concepts of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.

Leadership Laboratory
Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

Requirements for entry into the Professional Officer Course
- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 29 if entering Flight Training, or before age 30 (can be waived to age 35) if entering a non-flying Air Force specialty
- Pass the Air Force Officer Qualifying Test
- Pass an Air Force medical examination
- Pass the Air Force Physical Fitness Assessment each semester
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course (either four or five weeks)
- Enlistment in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This enlistment is terminated upon receipt of a commission

Monetary Allowance
All contracted students enrolled in the Professional Officer Course receive a tax-free monetary allowance of $450 or $500 per month based on their academic classification.

Air Force ROTC Scholarship Program
Scholarships are phased between two and four years and are awarded on a competitive basis. Depending on state residency and credit hours, these scholarships may provide for full tuition and fees, and an allowance for textbooks. For additional information on Air Force ROTC call 407-823-1247 or visit our web site at http://airforce.ucf.edu or e-mail us at AFROTC@mail.ucf.edu. This information is subject to change.

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

Officer Commissioning

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

Army ROTC (Military Science)

Chair: LTC Sean Morgan

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

http://army.ucf.edu

The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment. Students may be eligible for the Army’s Guaranteed Army Reservist or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees in two years. All requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army’s Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu.

Curriculum

The Military Science curriculum is designed to develop students' leadership potential and improve students' planning, organizational, and managerial skills. The on-campus curriculum is divided into two phases: Basic Military Science Course and Advanced Military Science Course.

1. Basic Military Science

A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two-hour leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic Course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001, 1002, 2101, 2102). Students will also participate in a Field Training Exercise (FTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.

B. Requisites for admission to the Basic Course:

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

2. Advanced Military Science

A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302) consist of four semesters of classroom instruction of two hours each week and a two-hour leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to contract and must obtain permission from the department chair prior to participating in the Advanced course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.

B. Requisites for Admission to the Advanced Course:

- Successful completion of Basic Course, or placement credit
- Must be at least 17 years of age at the time of entry, but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)
- Successful completion of Army physical examination
- Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
- Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
- US Citizen
- A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

3. Monetary Allowance

All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $300 during the freshman year, $350 during the sophomore year, $450.00 during the Junior year and $500.00 during the Senior school year.

4. Scholarships

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

5. Placement Credit

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

6. Daytona Beach Campus Students

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

Summer Training Courses

1. Basic Course Summer Training (Leader Training Course)

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

2. Specialized Summer Training Courses

Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include: a) Basic 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/aic/alc_students_coecs.htm
College of Health and Public Affairs
Dean: Michael L. Frumkin
HPA 365, 407-823-0171
http://www.cohpa.ucf.edu

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

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

General Requirements for the Bachelor's Degree
Some 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 website.

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
Director: Mariangelly Rente
HPA 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.

Programs and Degrees

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

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

Clinic Director: Janet Whiteside
Research Pavilion Suite 155, 407-249-4770


The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathology or audiology assistants.

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

Degrees: Communication Sciences and Disorders (BA, BS, MA)
PhD in Education, Communication Sciences and Disorders Track

Tracks: None

Minors: Communication Sciences and Disorders

Certificates: Language Development and Disorders

Department of Criminal Justice

Chair: Robert Langworthy
HPA 311 407-823-2603


The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society. Criminal Justice is a problem-based field of study which focuses on the nature of crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service.

Degrees: Criminal Justice (BA, BS, MS)

Tracks: None

Minors: Criminal Justice


Department of Health Management and Informatics

Chair: TBA
HPA2 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
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.

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 Information and Information Management program are eligible to take the AHIMARegistered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).

Department of Health Professions

Interim Chair: Kristen Schellhase
HPA 118/119, 407-823-2214


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

Program in Athletic Training
This is a competitive program that requires a separate application process following acceptance into the University. Consent from the program director is required. Admission to the Athletic Training program requires a minimum overall GPA of 2.75. In addition, admission to the program requires a minimum grade of “C” (2.0) is required for all prerequisite courses and a minimum grade of “C” (2.0) is required for all required courses within the program. The program is accredited by the national professional association and graduates are prepared to take the examination for certification. 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 edu-
Colleges of Health and Public Affairs

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).

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 Legal Studies
Chair: James Beckman
HPA 343; 407-823-1670

Faculty: Bast, Brown, Cook, Flagg, Kirby, Koblasz, Milon, Pons, Scott, Slaughter, Wood.

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Sciences with a major in Legal Studies. The department houses Phi Alpha Delta, the Legal Studies professional society.

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

Department of Public Administration
Chair: Mary Ann Feldheim
HPA 238; 407-823-2604


The Department of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The Department prepares students for professional careers in public service at the city, county, state and federal levels. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degrees with a major in Public Administration enable students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master of Public Administration (MPA) or Master of Nonprofit Management (MNM). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

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

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

Certificates: Nonprofit Management

School of Social Work
Director: John Ronnau
HPA 204; 407-823-2114

Faculty: Abel, Buckey, Burg, Gammonley, Hall, Kohn, 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 hospitals, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

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

If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

Degrees: Social Work (BSW, MSW)
Tracks: None
Minors: Aging Studies
Certificates: Aging Studies, Children’s Services

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

Vice-President for Medical Affairs and Dean: Deborah C. German
6850 Lake Nona Blvd., Suite 313, Orlando, FL 32827-7408
407-266-1000
http://www.med.ucf.edu

Associate Dean for Faculty and Academic Affairs: Richard Peppler
COM 313J; 407-266-1101

Director, Burnett School of Biomedical Sciences: Pappachan Kolattukudy
BL 136; 407-823-1312; Fax: 407-823-0956

Assistant Dean, Undergraduate Medical Education: Jonathan Kibble
Assistant Dean, Undergraduate Medical Education: Lori Boardman
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White
HPA2 335J; 407-823-5932; Fax 407-823-3095

UCF College of Medicine offers the second largest undergraduate program in the university through its Burnett School of Biomedical Sciences. The college currently includes an M.D. program and undergraduate and advanced degree programs in biomedical sciences. The Burnett School of Biomedical Sciences is an integral part of the College of Medicine, making it a research-intensive medical school where cutting-edge medical research spans the entire spectrum from laboratory bench to bedside. The school is home to quality programs in the biomedical sciences as well as vigorous research programs focused on cancer, cardiovascular, neurological, and infectious diseases. The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. The college’s medical and biomedical programs capitalize on UCF’s existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

Programs and Degrees

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

College of Medicine Mission, Vision and Goals

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

Vision
The University of Central Florida College of Medicine will be the nation’s premier 21st century college of medicine — a national leader in education, research, and patient care, recognized for supporting and empowering its students and faculty to realize their passion for discovery, healing, health, and life, and for its ability to create partnerships to transform medical education and health care.
College of Medicine

Goals

- Achieve excellence in medical and biomedical education
- Excel in research and discovery in biomedical science, medical education, and health care
- Provide outstanding individualized patient care while transforming health care delivery
- Be America's leading partnership college of medicine
- Establish a diversified self-sustaining infrastructure to support future operations

Burnett School of Biomedical Sciences

**Director:** P. E. Kolattukudy  
BL 136; 407-823-1312; Fax: 407-823-0956  
**Associate Director of Academic Affairs:** Roseann White  
HPA2 335J; 407-823-5932; Fax 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (formerly Molecular Biology and Microbiology) and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. The School also offers M.S. programs in Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in the Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advisement Office (PHPAO), 407-823-2670, to assist in the preparation of applicants for admission to professional schools in health sciences. At this time, the School has approximately 2,350 undergraduate students and 110 graduate students. Faculty and students are conducting research in cancer, cardiovascular, neurodegenerative, and infectious diseases. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, the Biomolecular Science Center, and the Pre-Health Professions Advisement Office.

Program in Biomedical Sciences

(Formerly Molecular Biology and Microbiology)

**Undergraduate Coordinator:** Dorilyn Hitchcock  
HPA2 335A; 407-823-5932

**Graduate Coordinator:** Saleh Naser  
BL 221; 407-823-0956

The Core Curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the mechanism of directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

**Degrees:** Biomedical Sciences (B.S., M.S.)  
Biomedical Sciences Preprofessional Concentration (B.S.)

**Tracks:** None

**Minors:** Biomedical Sciences

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:** Dorilyn Hitchcock  
HPA2 335A; 407-823-5932

Medical technologists may be involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of blood and body fluids.

The curriculum is designed to give students a thorough background in the physical and biological sciences; to develop the necessary laboratory skills and essential skills to assume leadership roles in management and education. Also, it prepares students in the development of a high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size to be selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS-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; 407-823-5767;  
**Academic Advisor:** Ana Maria Schwindt  
HPA2 337; 407-823-1259;

E-mail: bcbsinfo@ucf.edu

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett School of Biomedical Sciences. OSSA assists Biomedical Sciences, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, University policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing the Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

Pre-Health Professions Advisement Office

**Director:** Genaro Lopez  
HPA 124; 407-823-2670

The Pre-Health Professions Advisement Office (PHPAO) (PHPAO) serves students university-wide in preparing for and seeking admission to professional health science schools, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry. For more information regarding this office, please refer back to the "Academic Advising" section of this Undergraduate Catalog.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oedas.ucf.edu/aic/alc_students_bobs.htm
College of Nursing
Dean: Jean Leuner
UTWR 3RD floor; 407-823-5496

Associate Dean Graduate Affairs: Linda Hennig
UTWR 3rd floor; 407-823-4941

Associate Dean Undergraduate Affairs: Susan Chase
UTWR 3rd floor; 407-823-3079

E-mail: ucfnurse@mail.ucf.edu
http://www.nursing.ucf.edu


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 emphasizes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester. Contact the College of Nursing for specifics on the RN to BSN 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 and care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research.

The Doctor of Nursing Practice (DNP) prepares nurse clinicians and nurse practitioners for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN, MSN and PhD 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 website: http://www.nursing.ucf.edu

Academic Advisement
Office of Undergraduate Student Services
UTWR 3rd floor; 407-823-2744
E-mail: ucfnurse@mail.ucf.edu
http://www.nursing.ucf.edu

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

Programs and Degrees
Major Degree
Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oeas.ucf.edu/alc/alc_students_con.htm
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh
CROL 206; 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 43 faculty members, 69 Ph.D. level research scientists, and 146 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $45 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubator Program.

The research activities span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction. These programs are supported by over $11 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $22,000 to $28,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.
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 52 undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs. For 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 Concentration for additional information.

Advisement

College of Sciences, Academic Services (COSAS)
Director of Undergraduate Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
E-mail: cosas@mail.ucf.edu
http://undergrad.cos.ucf.edu/

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the “First Year” advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.
College of Sciences

Programs and Degrees

Title: Actuarial Science
Degree: Minor

Title: Advertising-Public Relations
Degree: BA

Title: Anthropology
Degree: MA, Minors: BA, BS, Minor

Title: Astronomy
Degree: Minor, BS Track

Title: Behavioral Forensics
Degree: Certificate

Title: Biology
Degree: BS, MS, Minor

Title: Biology Pre-Health Professional
Degree: BS Concentration

Title: Biomedical Sciences
Degree: PhD

Title: Chemistry
Degree: BS, MS, PhD, Minor

Title: Communication
Degree: MA

Title: Conservation Biology
Degree: PSM, PhD

Title: Biochemistry
Degree: BS Track

Title: Data mining
Degree: Certificate

Title: Diplomacy
Degree: Certificate

Title: Diversity & Social Inequality
Degree: Minor

Title: European Studies
Degree: Minor

Title: Forensic Science
Degree: BS, MS

Title: International & Global Studies
Degree: BA, Minor

Title: Interpersonal/Organizational Communication
Degree: BA, Minor

Title: Journalism
Degree: BA

Title: Journalism Studies
Degree: Minor

Title: Magazine Journalism
Degree: Minor

Title: Mass Communication
Degree: Minor

Title: Mass Culture & Collective Behavior
Degree: Minor

Title: Mathematics
Degree: BS, Certificate, MS, PhD, Minor

Title: Maya Studies
Degree: Certificate

Title: Medical Anthropology
Degree: Minor

Title: Medical Sociology
Degree: Minor

Title: North American Indian Studies
Degree: Minor

Title: Physics
Degree: BS, Certificate, MS, PhD, Minor

Title: Political Science
Degree: BA, MA, Minor

Title: Political Science Pre-Law
Degree: BA Track, Minor

Title: Psychology
Degree: BS, MA, MS, PhD, Minor

Title: Radio-Television
Degree: BA

Title: Social Sciences Interdisciplinary
Degree: BS

Title: Sociology
Degree: BA, MA, PhD, Minor

Title: Statistics
Degree: BS, MS, Minor

Departments, Schools, and Programs

Department of Anthropology

Chair: Arlen F. Chase

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, D. Chase, Dupras, Geiger, Groff, Howard, Lieberman, Long, Matejowski, McIntyre, Mishtal, Reyes-Cortez, Schultz, Sinnelli, Toyne, Walker, Professors Emeritus: Stearn, 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

Certificate: Discipline Anthropology, Maya Studies Minor

Department of Biology

Chair: C. Ross Hinkle

E-mail: biology@ucf.edu
http://biology.cos.ucf.edu/

Faculty: Bayer, Bohlen, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Klowski, Loffer, Manjerovic, Noss, Parkinon, Quin-tana-Ascencio, Song, Soter, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy; Professors Emeritus: Ehnhart, Ellis, Kuhn, Koenenig, Osbome, Snelson, Stout, Sweet, Taylor

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participates in an interdisciplinary Ph.D. program in Biomolecular Sciences. The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background provides flexible career opportunities for graduates, including science-related employment and professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a subspecialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

Degrees: Biology (BS, MS), Conservation Biology (PSM, PhD)

Concentration: Biology Pre-professional (BS)

Minors: Biology

Department of Chemistry

Chair: Kevin D. Belfield

E-mail: chemstaf@mail.ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino

CH 107A; 407-823-2246

Faculty: Ballantyne, Belfield, Blair, Campiglia, Clausen, Datta-Gupta, Diaz, Dixon, Elsheime, Frazer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolpakchikov, Kuebler, Kujawa, Liao, Mattson, Miles, Miller, Patino, Richardson, Sigman, Ye, Zou

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in 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.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)

Tracks: Chemistry, Biochemistry, Forensic Analysis, Forensic Biochemistry

Minors: Chemistry

Nicholson School of Communication

Director: Robert C. Chandler

E-mail: communication@ucf.edu
http://communication.cos.ucf.edu/

Assistant Director: Boyd Lindsley

E-mail: nassc@mail.ucf.edu

Faculty: Aikta, Bagley, Barfield, Bledsoe, Brown, Brunson, Butler, Chandler, Collins, Coombs, Davis, DeLorme, Dusseau, Graham,
1. Advertising-Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.

2. Interpersonal-Organizational Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.

3. Journalism: Provides knowledge of theory and skills needed for careers as a journalist (newspapers, magazines, broadcast, and online forms of mass communication).

4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-television, including content creation, media production, broadcast journalism, media management and programming/promotions in a broadcast, cable online or corporate environment.

Facilities
The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television program has fully-equipped audio and video production facility, a complete multi-camera television studio, an online radio station and laboratories for interactive multimedia. The Journalism program has a computer writing and media lab. The Interpersonal-Organizational (I-O) Communication program has a presentational speaking classroom equipped for audio/ video record/playback and computerized visual presentation. The I-O program also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

Degrees: Advertising-Public Relations (BA), Communication (MA), Interpersonal-Organizational Communication (BA, Journalism (BA), Radio-Television (BA)

Specializations: Broadcast Journalism, Production, Broadcast Generalist

Minors: Journalism Studies, Interpersonal-Organizational Communication, Magazine Journalism, Mass Communication

Department of Mathematics
Chair: Piotr Mikusinski
MAP 209; 407-823-2826
E-mail: math@mail.ucf.edu
http://math.ucf.edu

Associate Chair/Undergraduate Coordinator: Joseph P. Brennan
MAP 215A; 407-823-5700

Faculty: Brennan, Cannon, Carlson, Capursi, Choudhury, Clarke, Cleary, Davis, Dunlop-Pyle, Dutkay, Griffiths, Han, Higgins, Islas, Ismail, Kassab, Katsevich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Nevai, Pensky, Plennmons, Qi, Reid, Ren, Richardson, Rollins, Schober, Schweitzer, Shah, Shvamvoggi, Skripka, Song, Sun, Swanson, Tamasan, Taylor, Toibs, Vajravelu, Wocjan, Yong, Young, Zinchenko, Zhao

The Department of Mathematics offers courses and programs leading to a Bachelor of Science in Mathematics, a minor in Mathematics, a Graduate Certificate in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:

1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use mathematics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. The Department offers service courses in pre-calculus and calculus along with strong programs in the upper division in the areas of algebra and analysis as well as the areas of applied and computational mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who have mastered the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistant-ships are available for qualified graduate students.

Degrees: Mathematics (BS, MS, PhD)

Certificate: Mathematics

Tracks: Applied Mathematics, Computational Mathematics, Engineering/Physics, Mathematical Economics, Pure Mathematics

Minors: Mathematics

Department of Physics
Chair: Talat Rahman
PS 430A; 407-823-5785
E-mail: physics@ucf.edu
http://physics.cos.ucf.edu/

Associate Chair: Joshua Colwell
PS 434; 407-823-2012

Faculty: Al-Rawi, Bhattacharya, Bindell, Britt, Brucecker, Campins, Chang, Chemyg, Chini, Chow, Colwell, Cooney, Del Barco, Dubey, Efthimiou, Fernandez, Flitsiyan, Harrington, Heinrich, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokouline, Leuenberger, Luo, Martin, Montgomery, Mucclio, Peale, Rahman, Roldan-Cuena, Saha, Schelling, Schulte, Stolbov, Tatulian, Tonner, Velissaris, Zhmudskyy, Faculty Emeritus: Bose, Brennan, Llewellyn; Distinguished Professor: Liboff

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department’s research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

Degrees: Physics (BS, MS, PhD)

Tracks: General Physics, Materials Physics, Optics & Lasers, Computational Physics, Astronomy

Minors: Astronomy, Physics

Department of Political Science
Chair: TBA
PH 302; 407-823-2608
E-mail: politics@ucf.edu
http://politicalscience.cos.ucf.edu/

Associate Chair: TBA
PH 302; 407-823-2608

College of Sciences
College of Sciences


The Department of Political Science seeks to:
1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics; and
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A. The Department of Political Science participates in the following programs:
- Asian Studies: Contact Houman Sadri, Quan Li, or Myunghee Kim.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global and International Studies: Contact Waltraud Q. Morales or Roger Handberg or Aubrey Jewett.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson.
- Space Studies: Contact Roger Handberg.
- Women's Studies: Contact Terri S. Fine.

Degrees:
- Political Science (BA, MA), International and Global Studies (BA)
Tracks:
- American Politics, International Relations & Comparative Politics, Prelaw
Minors:
- Political Science, Political Science/Prelaw, European Studies, International and Global Studies

Certificates:
- Diplomacy Certificate

Department of Psychology

Chair: TBA
PSY 301L; 407-823-2216
E-mail: psychology@ucf.edu
http://psychology.cos.ucf.edu/
Associate Chair: TBA
PSY 301; 407-823-2216

Faculty: Azimi, Bedwell, Beidel, Berman, Brophy, Cassisi, Chin, Cox, DeChurch, Dipboye, M. Dunn, S. Dunn, Fouty, Fritzche, Ghasinejad, Gilson, Hancock, Hernandez, Hickey, Hitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, M. Kennerley, Le, McConnell, Mcguire, Moltarella, Mouloa, Murdoch, Negy, Pritchard, Rapport, Reed, Renk, Reynoso, Rinalducci, Salas, Saunders, Shirkey, 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: TBA
PH 403B; 407-823-3744
http://sociology.ucf.edu/
Associate Chair: J. Jasinski
Faculty: Canan, Sc.Carter, Sh.Carter, Cook, Corzine, Ford, Gay,
Grauholz, Huff-Corzin, Jasinski, Lynxwiler, Morris, Mustaine, Pals, Reckdenwald, Rivera, Sikorska-Simmons, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in 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 programs 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://society.ucf.edu/

Degrees:
- Sociology (BA, MA, PhD), Social Sciences Interdisciplinary (BS)
Tracks:
- Domestic Violence (MA)
Minors:
- Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology, Social Sciences Interdisciplinary

Department of Statistics

Chair: D. Nickerson
CCII 208; 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.oceas.ucf.edu/alc/alc_students_cosci.htm
Office of Undergraduate Studies
Dean: TBA; MH 218; 407-823-2373
http://www.undergrad.ucf.edu/

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

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

Bachelor of Applied Science
Dean: TBA
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 or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Office of Experiential Learning
Director: Sheri Dressler
CSEL 300; 407-823-2667
http://www.explearning.ucf.edu/

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty teach co-op and internship courses, facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research. 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
CC2 221; 407-823-1815
http://mcnair.ucf.edu/

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates, prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies
Director: Michael Hampton
CL1 302; 407-823-0144
E-mail: is@mail.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Jessica Cheatwood-Alvarez, Jessica Simmons, Marcielle Turner, Peter Wallace

The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

Degrees: Interdisciplinary Studies (BA, BS, MA, MS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women’s Studies
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism

Office of Pre-Professional Advising (OPPA)
Director: Bernard Mackey
FC 203; 407-823-3033
http://www.oppa.ucf.edu/

The Office of Pre-Professional Advising (OPPA) provides guidance and support to students interested in pursuing careers in the health and legal professions. OPPA provides information about the field of law and a wide variety of health-related fields such as allopathic (M.D.), osteopathic (D.O.), and veterinary (D.V.M.) medicine, dentistry, pharmacy, optometry, podiatry, chiropractic, physician assistant, physical therapy, and occupational therapy. These careers require academic study in professional school settings beyond the baccalaureate degree, and OPPA assists “Pre-Professional” Students in any undergraduate major by offering academic advising, administrative support, and other activities related to preparing for and applying to professional schools. OPPA’s goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

Research and Mentoring Program
Director: Michael Aldarondo-Jeffries
CC2 221; 407-823-1815
http://ramp.ucf.edu/

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

Office of Undergraduate Research
Director: Kimberly Schneider
CC2 209; 407-823-3125
http://www.our.ucf.edu/

UCF offers numerous opportunities for undergraduates to pursue research in various disciplines with the guidance of a faculty mentor. This intensive research opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. Examples of programs the office administers are: the undergraduate research showcase, the undergraduate research journal, a workshop series, and a student council.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www oeas.ucf.edu/alc/alc_students_us.htm
The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities.

It is the destination for over 49 million tourists each year, has over 400 hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks and attractions. The industry employs a half million people in the State of Florida and many are in the Central Florida area.

The educational mission of the College is to provide students with the knowledge, skills, and ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to those opportunities.

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

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

The Center for Multi-Unit Restaurant Management and the Darden Eminent Scholar Chair in Restaurant Management provide a unique focus in the curriculum on corporate restaurant management. Students have access through the Center to leading restaurant industry executives. This academic unit is an integral part of the Rosen College of Hospitality Management.

**Distinctive Benefits**
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A faculty committed to continuously improving their knowledge of the hospitality industry as well as their ability to teach that knowledge to their students.
- A required work experience that provides students with practical experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

**Degrees:** Event Management (BS), Hospitality Management (BS)
- Restaurant and Food Service Management (BS)

**Tracks:**
- Theme Park and Attraction Management;
- Golf and Club Management

**Minor:** Hospitality Management

**Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: [http://oeas.ucf.edu/alc/alc_students_rhm.htm](http://oeas.ucf.edu/alc/alc_students_rhm.htm)
<table>
<thead>
<tr>
<th>UCF DEGREE PROGRAMS</th>
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<td>Advertising - Public Relations</td>
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<td>Aerospace Engineering</td>
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<tr>
<td>Aerospace Engineering - Accelerated Undergraduate-Graduate Program</td>
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<td>Anthropology</td>
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<td>Applied Science - A.S. to B.S. Track</td>
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<td>Architecture</td>
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<tr>
<td>Art - History Track</td>
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<tr>
<td>Art - Studio Track</td>
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<tr>
<td>Art - Visual Arts and Emerging Media Management Track</td>
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<tr>
<td>Art - B.F.A. - Emerging Media Track</td>
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<td>Art - B.F.A. - Studio Art Track</td>
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<tr>
<td>Art Education</td>
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<td>Athletic Training</td>
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<tr>
<td>Biology</td>
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<tr>
<td>Biology - Preprofessional Concentration</td>
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<tr>
<td>Biomedical Sciences</td>
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<td>Biomedical Sciences - Preprofessional Concentration</td>
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<td>Biotechnology</td>
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<tr>
<td>Business Administration</td>
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<tr>
<td>Chemistry</td>
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<tr>
<td>Chemistry - Biochemistry Track</td>
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<tr>
<td>Civil Engineering</td>
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<tr>
<td>Communication Sciences and Disorders</td>
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<tr>
<td>Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program</td>
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<tr>
<td>Computer Engineering</td>
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<tr>
<td>Computer Engineering - Accelerated Undergraduate-Graduate Program</td>
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<tr>
<td>Computer Science</td>
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<tr>
<td>Computer Science - Accelerated Undergraduate-Graduate Program</td>
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<tr>
<td>Construction Engineering</td>
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<tr>
<td>Criminal Justice</td>
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<tr>
<td>Criminal Justice - A.S. to B.S.</td>
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<tr>
<td>Digital Media</td>
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<tr>
<td>Early Childhood Development and Education</td>
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<tr>
<td>Track 1: Education: Pre-Kindergarten - Primary</td>
</tr>
<tr>
<td>Early Childhood Development and Education Track 2: Early Childhood Development</td>
</tr>
<tr>
<td>Economics</td>
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<tr>
<td>Economics - Business</td>
</tr>
<tr>
<td>Electrical Engineering</td>
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<tr>
<td>Electrical Engineering - Accelerated Undergraduate-Graduate Program</td>
</tr>
<tr>
<td>Elementary Education</td>
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<tr>
<td>English - Creative Writing</td>
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<tr>
<td>English - Literature</td>
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<tr>
<td>English - Technical Communication</td>
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<tr>
<td>English Language Arts Education</td>
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<tr>
<td>Environmental Engineering</td>
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<td>Event Management</td>
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<td>Exceptional Student Education</td>
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<tr>
<td>Film - B.F.A.</td>
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<td>Film - Cinema Studies Track</td>
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<tr>
<td>Finance</td>
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<tr>
<td>Foreign Language Education - French</td>
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<td>Foreign Language Education - Spanish</td>
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<tr>
<td>Forensic Science - Analysis Track</td>
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<td>Forensic Science - Biochemistry Track</td>
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</tbody>
</table>
### 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)

407-823-2184

Not eligible for a double degree with another College of Business Administration major.

#### Admission Requirements

- Completion of the General Education program, Gordon Rule, and CLAS, or an AA Degree from a Florida Public Community College, or a Florida Public University.
- See Common Program Prerequisites.

#### Degree Requirements

- None

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

   **A: Communication Foundations** (9 hrs)
   - Prefer SPC 1608 Fundamentals of Oral Communication

   **B: Cultural & Historical Foundations** (9 hrs)
   - None

   **C: Mathematical Foundations** (6 hrs)
   - Required CGS 2100C Computer Fundamentals for Business
   - Required MAC 1140 Pre-Calculus Algebra

   **D: Social Foundations** (6 hrs)
   - Select 1: 3 hrs
     - Suggested ECO 2023 Principles of Microeconomics
     - Suggested ECO 2023 Principles of Microeconomics

   **Select 1:** (3 hrs)
   - Suggested ANT 2000 General Anthropology
   - Suggested PSY 2012 General Psychology
   - Suggested SYG 2000 Introduction to Sociology

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: Principles of Financial Accounting**
   - ACG 2021 Principles of Financial Accounting
   - ACG 2071 Principles of Managerial Accounting
   - CGS 2100C Computer Fundamentals for Business
   - ECO 2013 Principles of Macroeconomics
   - ECO 2023 Principles of Microeconomics

   **Select one of the following sequences of courses:**
   - ECO 3401 Quantitative Business Tools I
   - or
   - MAC 2333 Concepts of Calculus
   - STA 2023 Statistical Methods I
   - Students must receive a “C” (2.0) or better in both MAC 2333 and STA 2023 to be waived from ECO 3401.

3. **Core Requirements: Basic Level**

   - None

4. **Core Requirements: Advanced Level** (32 hrs)

   **First or subsequent semester in the College of Business Administration:**
   - \(^1\) GEB 3031 Cornerstone: Professional Skills for Business
   - GEB 3031L Cornerstone Lab: Professional Skills for Business
   - BUL 3130 Legal and Ethical Environment of Business
   - ECO 3411 Quantitative Business Tools II
   - FIN 3403C Business Finance
   - GEB 3375 Introduction to International Business
   - MAR 3025 Management of Organizations
   - MAR 3203 Marketing
   - MAR 3203 Supply Chain Management

   \(^1\) Must be taken in 1st or 2nd semester.

   **Required courses for major:** 24 hrs
   - ACG 3131 Intermediate Financial Accounting I
   - ACG 3141 Intermediate Financial Accounting II
   - ACG 3361 Cost Accounting I
   - ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations
   - ACG 4401C Accounting Information Systems
   - ACG 4651 Auditing
   - ACG 4803 Contemporary Issues in Accounting Transactions

5. **Restricted Electives**

   - None

6. **Capstone Requirements** (4 hrs)

   - MAN 4720 Strategic Management
   - This course is taken in the graduating term and requires the following prerequisites:
     - FIN 3403C Business Finance
     - GEB 3031 Cornerstone: Professional Skills for Business
     - GEB 3031L Cornerstone Lab: Professional Skills for Business
     - MAN 3025 Management of Organizations
     - MAR 3023 Marketing
   - A minimum grade of “C” (2.0) must be earned in each accounting, business law, and tax course completed.
   - Students must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in the subsequent term, that student will be dropped as an accounting major.
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Students must have at least a 2.0 GPA in all Accounting and Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in the subsequent term, that student will be dropped as an accounting major.

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 maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in the subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - Students must have at least a 2.0 GPA in the College of Business and in the accounting major.
   - A grade of “C-” (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

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
- 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:

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 4903H</td>
<td>Honors Directed Reading I or ACG 4904H</td>
</tr>
<tr>
<td>ACG 4907H</td>
<td>Undergraduate Honors Thesis</td>
</tr>
</tbody>
</table>

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, Microeconomics, Macroeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Courses taken at community colleges do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2001 and ACG 2011 may be substituted with:
- ACG 4803 Contemporary Issues in Accounting 3 hrs

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1140 Pre-Calculus Algebra 3 hrs
- Cult-Hist I* 3 hrs
- Psy/Art/Soc 3 hrs
- Science 3 hrs

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

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

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

Junior Year - Fall
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- ISM 3011C Essentials of Management Information Systems 4 hrs

Junior Year - Spring
- ACG 3361 Cost Accounting I 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- FIN 3403C Business Finance 4 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs

Senior Year - Fall
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4651 Auditing 3 hrs
- ACG 4803 Contemporary Issues in Accounting 3 hrs
- MAN 4720 Strategic Management 4 hrs
- Free Elective 3 hrs

Senior Year - Spring
- POS 2301 International Business 4 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecas.ucf.edu/al/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
UCF Degree Programs

Advertising-Public Relations (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: adpr@mail.ucf.edu
Joan McCain - Area Coordinator, jmccain@mail.ucf.edu
Rebecca Morales - Academic Support, rmorales@mail.ucf.edu
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 Nicholson School of Communication.
- Students must successfully complete, or be enrolled in, the following courses before applying:

Complete the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008 Principles of Advertising</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4000 Public Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

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 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 hour may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Select one course from group B 2. 3 hrs

C: Mathematical Foundations (6 hrs)
- Math 3 hrs
- Suggested MGF 1106 Finite Mathematics or 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)
- Required STA 2014C Principles of Statistics or
- May substitute a more advanced STA course. 3 hrs

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

Select either Economics course:
- ECO 2013 Principles of Macroeconomics or GEP
- ECO 2023 Principles of Microeconomics GEP

Select this Speech course:
- SPC 1608 Fundamentals of Oral Communication GEP

3. Core Requirements: Basic Level (6 hrs)
- Must be in progress or completed before applying to the program:

Complete all of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008 Principles of Advertising</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4000 Public Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

May be completed before or after admission to the program:

Complete the following classes:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
</table>

Complete either economics class:
- ECO 2023 Principles of Microeconomics or GEP/CPP
- ECO 2013 Principles of Macroeconomics GEP/CPP

4. Core Requirements: Advanced Level (21 hrs)
- Complete after admission to the program:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 4101 Advertising Copywriting</td>
<td>3</td>
</tr>
<tr>
<td>COM 3311 Communication Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>MMC 3200 Mass Communication Law</td>
<td>3</td>
</tr>
<tr>
<td>MMC 4411 Ad-PR Campaigns</td>
<td>3</td>
</tr>
<tr>
<td>PUR 3100 Writing for Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>VIC 3001 Visual Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one internship:
- 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 4103 Radio-Television Advertising</td>
<td>3</td>
</tr>
<tr>
<td>ADV 4300 Advertising Media Planning</td>
<td>3</td>
</tr>
<tr>
<td>COM 3110 Business and Professional Communication</td>
<td>3</td>
</tr>
<tr>
<td>JOU 4700 Journalism Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4110C Public Relations Publications</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4801 Public Relations Case Studies</td>
<td>3</td>
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</tbody>
</table>

You may take either internship, but not both. 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 4941 Internship or</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4941 Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

6. Capstone Requirements
- The following Advanced Core course meets the Capstone Requirement:
- MMC 4411 Ad-PR Campaigns 3 hrs

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- None required. However if a minor desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
- To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
- Achieve an overall “C” GPA (2.0) in required UCF Ad-PR courses. This GPA does not include electives.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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 Nicholson School of Communication are not open to Ad-PR majors.
- Business
- Digital Media
- Writing and Rhetoric
- Hospitality Management
- Marketing
- Political Science
- Psychology
- Sociology

Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- STA 2014C  Principles of Statistics  3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

Sophomore Year - Fall
- 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
- 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
- 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
- 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
- Free Elective-take outside of NSC 3 hrs

Senior Year - Fall
- PUR 4000  Public Relations  3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Select 1:
- PUR 4941  Internship or  3 hrs
- ADV 4941  Internship  3 hrs
- Free Elective-take outside of NSC 4 hrs
- Graduation Review

Senior Year - Spring
- MMC 4411  Ad-PR Campaigns  3 hrs
- Restricted Elective 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/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term
UCF Degree Programs

Aerospace Engineering (B.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering 1, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Undergraduate Advisor, mmaeugrad@ucf.edu
407-823-2416

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog.
   - Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Select 1: SPC 1603 Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two classes from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
- Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   1 MAC 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: Select one class from Science Foundations 3 hrs

   1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
   1 CHM 2045C Chemistry Fundamentals I or
   2 CHM 2040 Chemistry Fundamentals IA or
   3 CHM 2041 Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic Level (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the 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)
   - Engineering Analysis-Statics 3 hrs
   - Engineering Analysis-Dynamics 3 hrs
   - Thermodynamics 3 hrs
   - Structure and Properties of Aerospace Materials 3 hrs
   - Principles of Electrical Engineering 3 hrs
   - Probability and Statistics for Engineers GEP
   - Fundamentals of Aerospace Flight 3 hrs
   - Fundamentals of Aerodynamics 3 hrs
   - Aerospace Engineering Measurements 3 hrs
   - Design of Aerospace Experiments 3 hrs
   - Flight Mechanics 3 hrs
   - High-Speed Aerodynamics 3 hrs
   - Flight Structures 3 hrs
   - Aerothermodynamics of Propulsion Systems 3 hrs
   - Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   - Feedback Control 3 hrs
   - Solid Mechanics 3 hrs
   - Space Structural Dynamics 3 hrs
   - Space Systems Concepts or 3 hrs
   - Orbital Mechanics 3 hrs

5. Restricted Electives (9 hrs)
   - Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf

6. Capstone Requirements (6 hrs)
   - These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
   - CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

   Select 1: Select one class from Capstone Courses 3 hrs

   1 EAS 4700C Aerospace Design I 3 hrs
   1 EAS 4701C Aerospace Design II 3 hrs
   1 EAS 4710C Interdisciplinary Design I or 3 hrs
   1 EAS 4711C Interdisciplinary Design II or 3 hrs

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

   Graduation
     - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - 25% of course work must be in residency at UCF.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- Double Degree/Double Major requirements listed under college section of the catalog.

Career and Academic Advising
- The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EAS 3990 Aerospace Career and Academic Faculty
- 0 hrs Advising I
- EAS 4991 Aerospace Career and Academic Faculty
- 0 hrs Advising II

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 will be substituted by an approved Aerospace Engineering Elective for transfer students.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession
- ENC 1101 Composition I
- MAC 2311 Calculus with Analytic Geometry I
- EGN 3330 Engineering Analysis-Statics
- STA 3032 Probability and Statistics for Engineers
- Select 1:
- 1 CHS 1440 Fundamentals of Chemistry for Engineers
- or
- CHM 2045C Chemistry Fundamentals I
- CHM 2040 Chemistry Fundamentals IA
- CHM 2041 Chemistry Fundamentals IB
- 0 hrs Advising I
- EAS 4700C Aerospace Design I or
- EAS 4505 Orbital Mechanics
- 0 hrs Advising II

Sophomore Year - Fall
- EAS 4134 High-Speed Aerodynamics
- EAS 4210 Space Structural Dynamics
- EAS 3810C Design of Aerospace Experiments
- Upper Division Elective
- 0 hrs Advising I

Junior Year - Fall
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering
- EAS 3010 Fundamentals of Aerospace Flight
- EAS 3800C Aerospace Engineering Measurements
- EAS 4200 Flight Structures
- 0 hrs Advising I

Senior Year - Fall
- EML 4312C Feedback Control
- EAS 4105 Flight Mechanics
- EAS 4134 High-Speed Aerodynamics
- EAS 4991 Aerospace Career and Academic Faculty
- 0 hrs Advising I

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oes.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Anthropology (B.A.)

College of Sciences

Department of Anthropology, Philips Hall, Room: 309

http://www.cos.ucf.edu/anthropology

Dr. John Schultz, jschultz@mail.ucf.edu
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)

2. Common Program Prerequisites (CPP)
   - Math:
     - Suggested MGF 1106 Finite Mathematics or
     - Suggested MGF 1107 Explorations in Mathematics or
   - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers
- Select a course from GEP C.2 list

D: Social Foundations
- Required ANT 2000 General Anthropology
- Select from GEP D.1 list

E: Science Foundations
- Required ANT 2511 The Human Species
- Select from GEP E.1 list

2. Common Program Prerequisites (CPP)
   - See Transfer Notes for possible substitutes.
   - See "Common Prerequisites" in the Transfer and Transitions Services section.

3. Core Requirements: Basic Level (6 hrs)
- ANT 2000 General Anthropology
- ANT 2140 Archaeology and the Rise of Human Culture
- ANT 2410 Cultural Anthropology
- ANT 2511 The Human Species

4. Core Requirements: Advanced Level (12 hrs)
- ANT 3145 Archaeology of Complex Societies
- ANT 3610 Language and Culture
- ANT 4034 History of Anthropological Thought
- ANT 4586 Human Origins

5. Restricted Electives (21 hrs)
   - Area Study
     - Select at least one of the following courses:
       - ANT 3158 Florida Archaeology
       - ANT 3163 Mesoamerican Archaeology
       - ANT 3168 Maya Archaeology
     - 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 Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A grade of "C" (2.0) or better in all courses used for the major.
- Students will be required to take a standard exit exam.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- 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

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges will 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
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- ANT 2410 Cultural Anthropology 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- ANT 2511 The Human Species 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall
- ANT 3145 Archaeology of Complex Societies 3 hrs
- Foreign Language 4 hrs
- Restricted Elective 3 hrs
- Elective / Minor 2 hrs
- Elective / Minor 3 hrs

Sophomore Year - Spring
- ANT 3610 Language and Culture 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall
- ANT 3987 Human Origins 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring
- ANT 4586 Human Origins 3 hrs
- Foreign Language 4 hrs
- Restricted Elective 3 hrs
- Elective / Minor 2 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Spring
- ANT 4034 History of Anthropological Thought 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Architecture (B.Des.)

College of Arts and Humanities
School of Visual Arts and Design
(This program is offered at UCF at the Valencia West Campus)
http://architecture.ucf.edu/

John Maudlin-Jeronimo, Program Director, 407-582-5419

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.
UCF Degree Programs

- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0.
- Completion of at least 120 semester hours of course work, including all required courses.

1. UCF General Education Program (GEP) (36 hrs)
   - Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (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 (34 hrs)
   - A.A. Courses (completed in the A.A. in Architecture from VCC).
   - ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in VCC’s architecture program but required for the B.Des. at UCF. See courses below.
   - ARC 1701 History of Architecture I or equivalent 3 hrs
   - ARC 2702 History of Architecture II or equivalent 3 hrs
   - ARC 1301 Architectural Design I 4 hrs
   - ARC 1302 Architectural Design II 4 hrs
   - ARC 1201 Theory of Architecture 3 hrs
   - ARC 2303 Architectural Design III 5 hrs
   - ARC 2304 Architectural Design IV 5 hrs
   - ARC 2461 Materials and Methods of Construction 4 hrs
   - ARC 2180 Introduction to Digital Architecture 3 hrs

4. Core Requirements: Advanced Level (45 hrs)
   - Completed as part of the Bachelor of Design Program at UCF.
   - ARC 3181 Advanced Topics in Digital Architecture 3 hrs
   - ARC 3320L Architectural Design 5 6 hrs
   - ARC 3321L Architectural Design 6 6 hrs
   - ARC 3463 Materials and Methods of Construction 2 3 hrs
   - ARC 3503 Architectural Structures 3 hrs
   - ARC 3610 Environmental Technology 1 3 hrs
   - ARC 3743 Architectural History 3 3 hrs
   - ARC 4220 Architectural Theory 2 3 hrs
   - ARC 4322L Architectural Design 7 6 hrs
   - ARC 4323L Architectural Design 8 6 hrs
   - ARC 4620 Environmental Technology 2 3 hrs

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - None

Graduation
   - None

E. Electives (10 hrs)
   - Any 3000 or 4000 level course offered within the college.

Honors In Major
   - 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 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
   - Public and Professional Writing

Related Minors
   - Art - Studio
   - Art History
   - Cognitive Sciences
   - Digital Media
   - Film - Cinema Studies
   - Humanities
   - Philosophy
   - English - Technical Communication
   - Writing and Rhetoric

Advising Notes
   - None

Transfer Notes
   - Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
   - Courses taken at community colleges do not substitute for Upper Division courses.
   - Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/ai/academic_learning_compacts.htm

Art - Emerging Media Track (B.F.A.)

College of Arts and Humanities
School of Visual Arts and Design
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
407-823-2676

The Emerging Media track allows students to integrate multiple domains of art, storytelling, and technology. It is designed to: Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu/) for the minimum hardware and software specifications.

Admission Requirements
   - All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
   - Students unable to satisfactorily complete ART 3950-Portfolio Review, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
Students may apply to the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.

“D” grades from other institutions do not meet departmental requirements.

Note: Individual portfolio reviews are not possible due to the large number of applicants.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the 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)

#### A: Communication Foundations (9 hrs)
- Required  ARH 2550  History of Western Art I and
- Required  ARH 2551  History of Western Art II
- Select a course from group B.1

#### B: Cultural & Historical Foundations (9 hrs)
- Required  MAC 1105C  College Algebra and
- Required  COP 2500C  Concepts in Computer Science

#### C: Mathematical Foundations (7 hrs)
- Required  Mac 1110C College Algebra and
- Required  COP 2500C Concepts in Computer Science

#### D: Social Foundations (6 hrs)
- Required  COP 2500C Concepts in Computer Science

#### E: Science Foundations (6 hrs)
- Required  COP 2500C Concepts in Computer Science

### 2. Common Program Prerequisites (CPP)

- ART 2201C Art as Interface
- ARH 2550 History of Western Art I and
- ARH 2551 History of Western Art II
- Select a course from group B.1
- "Experimental Animation Core - 15 hours"
- "Experimental Animation Restricted Electives - 18 hours"
- Any ART prefix, studio, or media courses at the 2000-4000 level
- 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.

### 3. Core Requirements: Basic Level (18 hrs)

- ARH 2550 History of Non-Western Art
- MAC 1105C College Algebra
- COP 2500C Concepts in Computer Science
- ART 2201C Art as Interface
- DIG 2000 Introduction to Digital Media
- DIG 2030C Digital Video Fundamentals
- DIG 2109C Digital Imaging Fundamentals
- DIG 2500C Fundamentals of Interactive Design

### 4. Core Requirements: Advanced Level (12 hrs)

- ART 3950 Portfolio Review
- DIG 3024 Digital Cultures & Narrative
- DIG 3525 Digital Media Production I
- DIG 3480C Computer as a Medium
- DIG 4780C Modeling for Realtime Systems

### 5. Restricted Electives (39 hrs)

#### Specializations
- Graphic Design
  - Graphic Design Basic Concentration - 18 hours
  - Graphic Design Foundation I
  - Graphic Design Foundation II

#### Graphic Design
- GRA 3102C Intermediate Graphic Design I
- GRA 3112C Intermediate Graphic Design II
- GRA 3802C Intermediate Computer Graphic Design
- GRA 4198C Advanced Graphic Design
- GRA 417C Special Problems in Graphic Design
- GRA 3202C Type & Design

#### Character Animation
- Character Animation Core - 15 hours
  - ART 3643C Digital Effects & Compositing
- DIG 4325C Look Modeling Workshop
- DIG 4326C Geometrical Modeling Workshop
- FIL 3720C Introduction to Animation
- FIL 3734C Intermediate Animation

#### Character Animation Basic Concentration - 24 hours
- DIG 3555C Artificial Environments and Effects
- DIG 3434C Visual Storytelling and Visual Development
- DIG 4359C Artificial Environments and Effects Workshop
- DIG 4206C New Imagery in Motion Workshop
- DIG 4398C Motion Graphics: Advanced Compositing
- DIG 4434C Narrative Techniques in the Moving Image
- DIG 4486C Visual Language of Moving Image II
- DIG 4451C Visual Storytelling and Visual Development Workshop

#### Experimental Animation
- Experimental Animation Core - 15 hours
  - ART 3643C Digital Effects & Compositing
- DIG 4325C Look Modeling Workshop
- DIG 4326C Geometrical Modeling Workshop
- FIL 3720C Introduction to Animation
- FIL 3734C Intermediate Animation

#### Experimental Animation Restricted Electives - 18 hours
- Complete 18 hours of credits from the following areas: 18 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

- 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.

**E. 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

1. 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
UCF Degree Programs

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

2. Common Program Prerequisites (CPP) (6 hrs)

3. Core Requirements: Basic Level (3 hrs)

4. Core Requirements: Advanced Level (15 hrs)

5. Restricted Electives (24 hrs)

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

Art - 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 Zahno
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)

Preferred STA 1060C Basic Statistics Using Microsoft Excel

1 Prefer MGF 1106 Finite Mathematics 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (3 hrs)

ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (15 hrs)

Select one Non-Western Art History course from the following:

ARH 3450 Art of India 3 hrs

ARH 4653 Meso American Art 3 hrs

ARH 3520 African Art 3 hrs

One of the following courses: 3 hrs

ARH 4200 Medieval Art 3 hrs

ARH 4350 Baroque Art 3 hrs

ARH 4871 Women in Art 3 hrs

Select 18 additional hours from the following: 18 hrs

ARH 3471 Art in the Last 25 Years 3 hrs

ARH 3520 African Art 3 hrs

ARH 3610 American Art 3 hrs

ARH 3710 History of Photography I 3 hrs

ARH 3713 20th Century Photographic History 3 hrs

ARH 3720 History of Prints 3 hrs

ARH 4350 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 4150 Roman Art and Architecture 3 hrs

ARH 4200 Medieval Art 3 hrs

ARH 4352 Italian Baroque Art 3 hrs

ARH 3728 History of Illustration 3 hrs

ARH 3XXX-4XXX Additional Art History course 3 hrs

5. Restricted Electives (24 hrs)

Select one Non-Western Art History course from the following:

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

None

Graduation

Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements

None

10. Required Minors

None
11. Departmental Exit Requirements

- Achieve at least a "C" GPA (2.0) in courses within the major.
- ARH 4912 Directed Independent Research 1 hr
- Computer Competency met by one of the following:
  - STA 1000C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs
  - ARH 3820 Visual Arts Administration Vitas 3 hrs
- A 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 - 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
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition II 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Freshman Year - Spring
- ARH 2051 History of Western Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1000C Basic Statistics Using Microsoft Excel 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs

Sophomore Year - Fall
- COM 1000 Introduction to Communication 3 hrs
- POS 2041 American National Government 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs

Sophomore Year - Spring
- ANT 2000 General Anthropology 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- ARH 4540 Art of India 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Junior Year - Fall
- ARH 4310 Italian Renaissance Art 3 hrs
- ARH 4450 20th Century Art 3 hrs
- ARH 3710 History of Photography I 3 hrs
- ARH 4653 Meso American Art 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Junior Year - Spring
- ARH 3230B European Art of the Baroque 3 hrs
- ARH 4830 Theory of Criticism of the Visual Arts 3 hrs
- ARH 3711 History of Photography II 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Senior Year - Fall
- ARH 4350 Baroque Art 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ARH 4XX 3 hrs

Senior Year - Spring
- ARH 4170 Greek & Roman Art 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ARH 4XX 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: $31.50 per term
- Full-Time Student: $63 per term

Art - Studio Art Track (B.F.A.)

College of Arts and Humanities

School of Visual Arts and Design, Visual Arts Building, Room: 117

http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
407-823-2876

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence.

Admission Requirements

- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- "D" grades from other institutions do not meet departmental requirements.
- Note: Individual portfolio reviews are not possible due to the large number of applicants.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these must be in an area of specialization.
- Grades below "C" (2.0) in lower level ART of ARH courses do not satisfy major requirements.
- BFA students must maintain a 3.0 GPA in all ART courses.
- Co-op credit cannot be used in this major.
- Students should consult with a school advisor in their studio specialization.
- Course designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
**UCF Degree Programs**

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)

2. **Take all of the following:** (6 hrs)
   - **Required** ARH 2050 History of Western Art I and ARH 2051 History of Western Art II 3 hrs each
   - **Select a course from group B.1**

3. **C: Mathematical Foundations** (6 hrs)
   - **Prefer** STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   - **Select 1:**
     - **Prefer** MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
   - **(may substitute a higher level math)**

4. **D: Social Foundations** (6 hrs)

5. **E: Science Foundations** (6 hrs)

6. **2. Common Program Prerequisites (CPP)** (18 hrs)
   - **ART 2201C** Design Fundamentals-Two Dimensional 3 hrs
   - **ART 2203C** Design Fundamentals-Three Dimensional 3 hrs
   - **ART 2300C** Drawing Fundamentals I 3 hrs
   - **ART 2301C** Drawing Fundamentals II 3 hrs
   - **ARH 2050** History of Western Art I GEP 3 hrs
   - **ARH 2051** History of Western Art II GEP 3 hrs
   - **1 GRA** Introduction to Computer Art 3 hrs

7. **Select a course from group B.1 Any ART prefix, studio, or media courses at the 2000-4000 levels
   - ***See "Common Prerequisites" in the Transfer and Transitions Services section for more information***

8. **1 *See Transfer Notes for possible substitutes

9. **3. Core Requirements: Basic Level** (6 hrs)
   - **ARH 2500** History of Non-Western Art 3 hrs
   - **ART 2823** Art as Interface 3 hrs
   - **GRA 2101C** Introduction to Computer Art CPP 3 hrs

10. **4. Core Requirements: Advanced Level**
    - **ART 3950** Portfolio Review 0 hrs

11. **5. Restricted Electives** (42 hrs)
    - **a. Specialization:** (18 hrs)
      - Select six upper division courses from one area: (classes with an asterisk my be repeated for credit)

12. **Book Arts**
    - **ART 3176C** The Illuminated Book or 3 hrs
    - **ART 3175C** Advanced Issues in Contemporary Book Arts or 3 hrs
    - **ART 3170C** Book Binding or 3 hrs
    - **ART 3171C** Materials for Artist Books or 3 hrs
    - **ART 3737C** Narrative Sculpture or 3 hrs
    - **ART 4172C** Book Repair and Restoration or 3 hrs
    - **ART 4644C** Books Without Books or 3 hrs
    - **ART 4177C** Commercial Book Design and Publishing or 3 hrs
    - **ART 4173C** The Artist Book or 3 hrs
    - **ART 4174C** The Printed Book or 3 hrs

13. **Ceramics**
    - **ART 3761C** Intermediate Ceramics or 3 hrs
    - **ART 3764C** Ceramic Handbuilding I or 3 hrs
    - **1 ART 4763C** Advanced Ceramics 3 hrs

14. **Drawing**
    - **ART 3320C** Intermediate Drawing or 3 hrs
    - **1 ART 4320C** Advanced Drawing 3 hrs

15. **Drawing/Printmaking Combination**
    - **ART 3320C** Intermediate Drawing or 3 hrs
    - **1 ART 4320C** Advanced Drawing or 3 hrs
    - **ART 3433C** Screenprinting or 3 hrs
    - **1 ART 4402C** Advanced Printmaking 3 hrs

16. **Drawing/Illustration Combination**
    - **ART 3320C** Intermediate Drawing or 3 hrs
    - **1 ART 4320C** Advanced Drawing or 3 hrs
    - **ART 3747** Intermediate Illustration I or 3 hrs
    - **GRA 4194C** Advanced Illustration 3 hrs

17. **Painting**
    - **ART 3504C** Intermediate Painting or 3 hrs
    - **1 ART 4505C** Advanced Painting 3 hrs

18. **Photography**
    - **PGY 3410C** Intermediate Photography or 3 hrs
    - **1 PGY 4420C** Advanced Photography or 3 hrs
    - **PGY 4440C** Special Problems in Photography 3 hrs

19. **Sculpture**
    - **1 ART 4710C** Advanced Sculpture 3 hrs

20. **1 May be repeated for credit.

b. **Electives in Art:**
    - Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization.
    - **Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.**

21. **c. Additional Electives** (9 hrs)
    - 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).

22. **6. Capstone Requirements**
    - **None**

7. **Foreign Language Requirements**

8. **8. Electives**
    - Select primarily from upper level courses, with school advisor’s approval. May be outside of the department.

    - **None**

10. **10. Required Minors**
    - **None**

11. **11. Departmental Exit Requirements** (3 hrs)
    - **ART 4935 BFA Exhibit/Seminar required.**
    - **(BFA Exhibit Seminar is only offered during Spring Semester)**
    - Achieve at least a “B” GPA (3.0) overall in courses within the major.
    - Each senior is required to submit a portfolio of representative work in the student’s specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.
    - Computer Competency met by STA 1060C or GRA 2101C.

12. **12. University Minimum Exit Requirements**
    - **A 2.0 UCF GPA**
    - **60 semester hours earned after CLEP awarded**
    - **48 semester hours of upper division credit completed**
    - **30 of the last 39 hours of course work must be completed in residency at UCF**
    - A 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)

13. **Total Semester Hours Required**
    - **120**

14. **Honors In Major**
    - **None**

15. **Related Programs**
    - **Art - History Track**
    - **Art Education**
    - **Art - Emerging Media Track**
    - **Art - Visual Arts and Emerging Media Management Track**

16. **Certificates**
    - **None**

17. **Related Minors**
    - **Community Arts - PAVE**

18. **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.oecs.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art - Studio Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Donna Mercado, 407-823-1708

Note: Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a school advisor in their specialization.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these hours must be in an area of specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Required: ARH 2051 History of Western Art I 3 hrs
- Required: ARH 2050 History of Western Art I 3 hrs
- Select a course from 1.B.1 List 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required: ARH 2051 History of Western Art I 3 hrs
- Required: ARH 2050 History of Western Art I 3 hrs
- Select a course from 1.B.1 List 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ARH 2050 History of Western Art I GEP 3 hrs
- ARH 2051 History of Western Art II GEP 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- Any ART 2XXX-4XXX studio or media course. 3 hrs

3. Core Requirements: Basic Level (6 hrs)
- ART 2823 Art as Interface 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ART 3950 Portfolio Review 0 hrs

4. Core Requirements: Advanced Level

5. Restricted Electives (27 hrs)
- Select nine upper division courses in three areas:

Art History
- Any upper level ARH course

Book Arts
- ART 3170C Book Binding 3 hrs
- ART 3171C Materials for Artist Books 3 hrs
- ART 3175C Advanced Issues in Contemporary Book Arts 3 hrs
- ART 3176C The Illuminated Book 3 hrs
- ART 3177C Narrative Sculpture 3 hrs
- ART 4172C Book Repair and Restoration 3 hrs
- ART 4173C The Artist Book 3 hrs
- ART 4174C The Printed Book 3 hrs
- ART 4177C Commercial Book Design and Publishing 3 hrs
- ART 4644C Books Without Books 3 hrs

Drawing and Printmaking
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 3433C Screenprinting 3 hrs
- ART 3433C Screenprinting 3 hrs
- ART 3433C Screenprinting 3 hrs
- ART 4320C Advanced Drawing 3 hrs
- ART 4402C Advanced Printmaking 3 hrs

Illustration
- GRA 3747 Intermediate Illustration I 3 hrs
- GRA 4154C Advanced Illustration 3 hrs

Painting
- ART 3504C Intermediate Painting 3 hrs
- ART 4505C Advanced Painting 3 hrs

Photography
- PGY 2401C Beginning Photography 3 hrs
- PGY 4420C Advanced Photography 3 hrs
- PGY 4440C Special Problems in Photography 3 hrs

Sculpture
- ART 2701C Sculpture 3 hrs
- ART 4710C Advanced Sculpture 3 hrs

Type and Design
- GRA 3202C Type & Design 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.
UCF Degree Programs

Graduation
- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve at least a GPA (2.0) overall in courses within the major.
- Computer Competency met by:
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Art Education
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

Certificates
- None

Related Minors
- Digital Media

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
For common program prerequisites if taken.
- GRA 2101C Introduction to Computer Art 3 hrs
  may be substituted with:

Plan of Study

Freshman Year - Fall
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- ART 2823 Art as Interface 3 hrs

Freshman Year - Spring
- ARH 2051 History of Western Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Fall
- COM 1000 Introduction to Communication 3 hrs
- POS 2041 American National Government 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs

Sophomore Year - Spring
- ANT 2000 General Anthropology 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CHM 1010 Concepts in Chemistry 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ART 3950 Portfolio Review 0 hrs

Junior Year - Fall
- ART 3332C Intermediate Drawing 3 hrs
- GRA 3747 Intermediate Illustration I 3 hrs
- † SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- ART 3161 Mixed Media 3 hrs
- ART 4320C Advanced Drawing 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

† Any language at this level is accepted.

Senior Year - Fall
- ARH 4350 Baroque Art 3 hrs
- ART 4320C Advanced Drawing 3 hrs
- PGY 3410C Intermediate Photography 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- ARH 4430 19th Century Art 3 hrs
- GRA 4154C Advanced Illustration 3 hrs
- PGY 4420C Advanced Photography 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oesas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art - Visual Arts and Emerging Media Management Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu
407-823-2676

Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.
1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

D: Science Foundations (6 hrs)

E: Social Foundations (6 hrs)

3. Core Requirements: Basic Level (6 hrs)

4. Core Requirements: Advanced Level (3 hrs)

5. Restricted Electives (21 hrs)

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

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 lan-
guages 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 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

120

Honors in Major

■ None

Related Programs

■ Art - History Track
■ Art - Studio Art Track
■ Art Education

Certificates

■ None

Related Minors

■ Community Arts - PAVE
■ Digital Media
■ Technological Entrepreneurship

Advising Notes

■ 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
ENC 1101 Composition I 3 hrs
\[\text{1 req #5}\]
ART 2823 Art as Interface 3 hrs
\[\text{1 Check restrictions}\]

Sophomore Year - Fall 15 hrs
1. UCF General Education Program (GEP) (36 hrs)
  - A grade of "C-" (1.75) or better is required.
2. Required  ARH 2050 History of Western Art I 3 hrs
3. Prefer  PSY 2012 General Psychology 3 hrs
4. Prefer  POS 2041 American National Government 3 hrs
5. Prefer  STA 2014C Principles of Statistics 3 hrs
6. Prefer  STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
7. Prefer  MGF 1106 Finite Mathematics 3 hrs
8. Prefer  AMH 2010 U.S. History: 1492-1877 3 hrs
9. Prefer  AMH 2020 U.S. History: 1877-Present 3 hrs
10. Required  ENC 1101 Composition I 3 hrs
11. Required  ENC 1102 Composition II 3 hrs
12. Required  ART 2201C Design Fundamentals-Two Dimensional 3 hrs
13. Required  ART 2203C Design Fundamentals-Three Dimensional 3 hrs
14. Required  ART 2300C Drawing Fundamentals II 3 hrs
15. Required  ART 2301C Drawing Fundamentals I 3 hrs
16. Required  ARH 2500 History of Non-Western Art 3 hrs
17. Required  ART 3950 Portfolio Review 0 hrs
18. \[\text{1 Check restrictions}\]
19. \[\text{2 Check restrictions}\]

Junior Year - Spring 16 hrs
1. SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
2. Restricted Elective 3 hrs
3. Supporting Elective 1 hr
4. Supporting Elective 3 hrs
5. \[\text{1 Check restrictions}\]
6. \[\text{2 Check restrictions}\]

Senior Year - Fall 15 hrs
1. Restricted Elective 3 hrs
2. Restricted Elective 3 hrs
3. Supporting Elective 3 hrs
4. Supporting Elective 3 hrs
5. Supporting Elective 3 hrs
6. \[\text{1 Check restrictions}\]
7. \[\text{2 Check restrictions}\]

Senior Year - Spring 15 hrs
1. Restricted Elective 3 hrs
2. Restricted Elective 3 hrs
3. Supporting Elective 3 hrs
4. Supporting Elective 3 hrs
5. Supporting Elective 3 hrs
6. \[\text{1 Check restrictions}\]
7. \[\text{2 Check restrictions}\]

Junior Year - Spring 15 hrs
1. COM 1000 Introduction to Communication 3 hrs
2. POS 2041 American National Government 3 hrs
3. ART 2203C Design Fundamentals-Three Dimensional 3 hrs
4. ART 2300C Drawing Fundamentals II 3 hrs
5. GRA 2101C Introduction to Computer Art 3 hrs
6. \[\text{1 Check restrictions}\]
7. \[\text{2 Check restrictions}\]

Sophomore Year - Spring 15 hrs
1. ANT 2000 General Anthropology 3 hrs
2. BSC 1005 Biological Principles 3 hrs
3. CHM 1020 Concepts in Chemistry 3 hrs
4. ART 2203C Design Fundamentals-Three Dimensional 3 hrs
5. ARH 2500 History of Non-Western Art 3 hrs
6. ART 3950 Portfolio Review 0 hrs
7. \[\text{1 Check restrictions}\]
8. \[\text{2 Check restrictions}\]

Freshman Year - Spring 15 hrs
1. ARH 2051 History of Western Art II 3 hrs
2. ENC 1102 Composition II 3 hrs
3. STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
4. ART 2203C Design Fundamentals-Three Dimensional 3 hrs
5. ART 2201C Design Fundamentals-Two Dimensional 3 hrs
6. Supporting Elective 3 hrs
7. \[\text{1 Check restrictions}\]
8. \[\text{2 Check restrictions}\]
Select 1:  
Prefer ANT 2511 The Human Species  or  3 hrs
Prefer BSC 1005 Biological Principles  or  3 hrs

2. Common Program Prerequisites (CPP)  
   (9 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level  
   (30 hrs)

4. Core Requirements: Advanced Level  
   (30 hrs)

Education Core Requirements  
   15 hrs

Internship I  
   3 hrs

Internship II  
   3 hrs

Specialization Requirements  
   12 hrs

Restrict Electives  
   (9 hrs)

Capstone Requirements  
   (12 hrs)

30 of the last 39 hours of course work must be completed in residence at UCF.
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/clinicalxp/

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.

ARE 4941 Internship  
   12 hrs

7. Foreign Language Requirements

Admissions

State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

Graduation

None

Electives

None

Additional Requirements

None

Required Minors

None

11. Departmental Exit Requirements

Achieve a minimum 2.5 GPA in all courses within the major.
Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
A 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 website at http://education.ucf.edu/arted/ for the advising policy.

Freshman Year - Fall  
   15 hrs

AMH 2010 U.S. History: 1492-1877  
   3 hrs
ENC 1101 Composition I  
   3 hrs
MGF 1106 Finite Mathematics  
   3 hrs
ARH 2050 History of Western Art I  
   3 hrs
PSY 2012 General Psychology  
   3 hrs
# UCF Degree Programs

## Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs

## Freshman Year - Summer
- SPC 1508 Fundamentals of Oral Communication 3 hrs
- PSC 1121 Physical Science 3 hrs

## Sophomore Year - Fall
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs

## Sophomore Year - Spring
- ART 2400C Beginning Printmaking 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- POS 2041 American National Government 3 hrs

## Sophomore Year - Summer
- GRA 2101C Introduction to Computer Art 3 hrs
- PGY 2401C Beginning Photography 3 hrs

## Junior Year - Fall
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

## Junior Year - Spring
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ART 2502C Beginning Painting 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- ARE 4250 Art for Exceptionalities 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

## Junior Year - Summer
- ART 2754C Beginning Ceramics 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

## Senior Year - Fall
- ARE 4351 Teaching Art in the Elementary School 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- ARE 3940 Internship 3 hrs
- Restricted Electives (Any ART/ARH/ARE/PGY 3/4XXX w/ Advisor approval) 3 hrs

## Senior Year - Spring
- ARE 4941 Internship 12 hrs

## Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.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**

**E-mail:** atinfo@mail.ucf.edu

| Kristen C. Schellhase |
| 407-823-2747 |

**Admission Requirements**

| ■ Students may only begin the athletic training program track in the Summer B semester and must have: |
| ■ A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur. Acceptance into the University does not constitute admission into the Program in Athletic Training. |
| ■ A minimum of 2.75 overall grade point average and a minimum grade of “C” (2.0) in program prerequisites. |
| ■ Completion of an AA degree from a Florida 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: |
3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (62 hrs)

Professional Phase
- The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.
  - ATR 4014C Introduction to Athletic Training 3 hrs
  - ATR 3102 Principles of Athletic Training 3 hrs
  - ATR 3012C Clinical Skills for Athletic Trainers I 2 hrs
  - ATR 3812L Practicum in Athletic Training I 4 hrs
  - HSC 3147 Introduction to Pharmacology 3 hrs
  - ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
  - PET 4315C Biomechanics of Sport 3 hrs
  - ATR 3822L Practicum in Athletic Training II 4 hrs
  - ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
  - ATR 3013C Clinical Skills for Athletic Training II 2 hrs
  - ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
  - ATR 4322C Therapeutic Modalities in Athletic Training 4 hrs
  - ATR 4512C Organization and Administration of Athletic Training 3 hrs
  - PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
  - ATR 4315C Advanced Rehabilitation in Athletic Training 3 hrs
  - ATR 4832L Practicum in Athletic Training III 4 hrs
  - PET 4606 Applied Fitness in Sport 3 hrs
  - ATR 4842L Practicum in Athletic Training IV 4 hrs
  - ATR 4103 Sports Medicine Field Application 3 hrs
  - ATR 4933 Athletic Training Seminar 1 hr

5. Restricted Electives
- None

6. Capstone Requirements
- None

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

Graduation
- None

8. Electives
- Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport & Fitness

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.75 and a minimum grade of “C” (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Program in Athletic Training.
  - Two years of successful clinical rotation under the direct supervision of an Approved Clinical Instructor (ACI).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120
UCF Degree Programs

Honors In Major
- None

Related Programs
- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

Certificates
- None

Related Minors
- Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.
- Business
- Aging Studies
- Biology
- Coaching
- Fitness Training
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- Public Administration
- Education
- Sport Business Management

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086)
- Biology I with Lab (BSC 1010 and BSC 1010L)
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring 13 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- BSC 2010C Biology I 4 hrs
- MAC 1114 College Trigonometry 3 hrs

Sophomore Year - Fall 14 hrs
- PHY 2053C College Physics I 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I 3 hrs

Sophomore Year - Spring 16 hrs
- HUM 2002 Modern Concepts in Nutrition 3 hrs
- PCB 3703C Human Physiology 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- REL 2300 World Religions or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Select 1: 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Sophomore Year - Summer 10 hrs
- ATR 4014C Introduction to Athletic Training 3 hrs
- ATR 3102Z Principles of Athletic Training 3 hrs
- Foreign Language 4 hrs

Junior Year - Fall 12 hrs
- ATR 3812L Practicum in Athletic Training I 4 hrs
- ATR 3012C Clinical Skills for Athletic Trainers I 2 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
- Free Elective 3 hrs

Junior Year - Spring 12 hrs
- ATR 4104C Biomechanics of Sport 3 hrs
- ATR 3822L Practicum in Athletic Training II 4 hrs
- ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
- ATR 3013C Clinical Skills for Athletic Training II 2 hrs
- Free Elective 3 hrs

Junior Year - Summer 8 hrs
- ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
- ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs

Senior Year - Fall 13 hrs
- ATR 4512C Organization and Administration of Athletic Training II 3 hrs
- PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
- ATR 4315C Advanced Rehabilitation in Athletic Training 3 hrs
- ATR 4832L Practicum in Athletic Training III 4 hrs

Senior Year - Spring 11 hrs
- ATR 4933 Athletic Training Seminar 1 hr
- PET 4606 Applied Fitness in Sport 3 hrs
- ATR 4942L Practicum in Athletic Training IV 4 hrs
- ATR 4103C Sports Medicine Field Application 3 hrs
- Free Elective 3 hrs

Senior Year - Summer 8 hrs

As needed to meet 120 hrs of departmental exit requirements.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

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

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.
1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Mathematics:
- Note: Prior to enrolling in Math, take Math Placement Test.

Statistics:
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs

Select the sequence identified by the Chemistry Placement exam:
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test.

- A one semester course for students with a strong chemistry background and a high Chemistry Placement score:
  - Required CHM 2045C Chemistry Fundamentals I 4 hrs
  - or - Students with little chemistry background should take this two semester equivalent instead.
    - Required CHM 2040 Chemistry Fundamentals IA and IB 3 hrs and 3 hrs
    - Required CHM 2041 Chemistry Fundamentals IA and IB 3 hrs and 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses.

Math requirement: Select one course
- MAC 2233 Concepts of Calculus I or II 3 hrs
- MAC 2253 Applied Calculus I or II 3 hrs
- MAC 2311 Calculus with Analytic Geometry I or II 3 hrs

Select one of the following sequences of courses:

- **NOTE:** These courses are considered to be equivalents:
  - CHM 2045C Chemistry Fundamentals I or II GEP
  - or
  - CHM 2040 Chemistry Fundamentals IA and IB GEP
  - CHM 2041 Chemistry Fundamentals IB GEP

Complete one entire physics sequence:

- PHY 2048C Physics for Engineers & Scientists I and II 4 hrs
  - or
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs
  - or
  - PHY 2053C College Physics I and II 4 hrs
  - or
  - PHY 2054C College Physics III 4 hrs

3. Core Requirements: Basic Level (8 hrs)

- Students planning on entering professional or graduate school should take Biochemistry as well as additional Calculus courses.

Students are urged to consult their departmental advisor.

STA 2023 Statistical Methods I GEP/CPP

Complete one entire chemistry sequence:

- CHM 2210 Organic Chemistry I and II 3 hrs
  - or
  - CHM 2211 Organic Chemistry I and II 3 hrs
  - or
  - CHM 2211L Organic Laboratory Techniques I and II 2 hrs

4. Core Requirements: Advanced Level (13 hrs)

- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs

5. Restricted Electives (22 hrs)

- Courses must be selected from the groupings listed below.
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- 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.

**Form/Function**
- Complete a minimum of one lecture course from this group.
  - BCH 4053 Biochemistry I or II 3 hrs
  - BOT 4223C Plant Anatomy or II 4 hrs
  - BOT 4303C Plant Physiology or II 3 hrs
  - 1 BOT 4503 Plant Physiology or II 3 hrs
  - 2 BSC 4101 History of Biology or II 3 hrs
  - 3 BSC 4454 Research in Animal Physiology or III 2 hrs
  - 2 PCB 3024L Molecular Cell Biology Laboratory or 2 hrs
  - 2 PCB 3063L Genetics Laboratory or 1 hr
  - 2 PCB 3233 Immunology or III 3 hrs
  - 2 PCB 3703C Human Physiology or III 4 hrs
  - 2 PCB 4514 Genetics II or III 3 hrs
  - 2 PCB 4524 Molecular Biology II or III 3 hrs
  - - 1 PCB 4678 Evolution and Medicine or III 3 hrs
  - 2 PCB 4683 Evolutionary Biology Lab or III 1 hr
  - 2 PCB 4684 Population Genetics or III 3 hrs
  - 3 PCB 4723 Animal Physiology or III 4 hrs
  - 2 PCB 5665C Human Genetics or III 4 hrs
  - 2 PCB 5935 Population Genetics or III 3 hrs
  - 3 ZOO 3713C Comparative Vertebrate Anatomy or III 5 hrs
UCF Degree Programs

ZOO 3733C Human Anatomy or 4 hrs
1 ZOO 4603C Embryology/Development or 5 hrs
2 ZOO 4753C Vertebrate Histology 4 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Offered in Biology department.
3 Fulfills Zoology requirement. Offered in Biology department.

Environmental
Complete a minimum of one lecture course from this 3 hrs

1 BOT 3918C Ecological Systematics or 3 hrs
2 BOT 4186C General Ichthyology 4 hrs
3 ZOO 3733C Human Anatomy 3 hrs
4 ZOO 4850  Mammalogy 4 hrs
5 PCB 5306C Tropical Marine Biology 3 hrs
6 PCB 5326C Aquatic Ecology 3 hrs
7 PCB 5433C Marine Ecology of Florida or 4 hrs
8 PCB 5463C Ichthyology 3 hrs
9 PCB 5475L Field Ornithology 3 hrs
10 ZOO 4234 Zoo and Aquarium Management or 3 hrs
11 ZOO 4513 Animal Behavior 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Offered in Biology department.
3 Fulfills Zoology requirement. Offered in Biology department.

Systematic
Complete a minimum of one lecture course from this 3 hrs

1 BOT 4434C General Mycology or 4 hrs
2 A 2010C  General Botany or 1 hr
3 A 2012C  General Mycology or 1 hr
4 A 2014C  General Mycology or 1 hr
5 MCB 3100C General Microbiology or 4 hrs
6 ZOO 3505Z Animal Behavior 4 hrs
7 ZOO 4310C Vertebrate Evolution & Ecology or 4 hrs
8 ZOO 4480  Mammalogy 4 hrs
9 ZOO 4713C Plant Taxonomy 4 hrs
10 ZOO 5326C Ecosystems of Florida or 5 hrs
11 ZOO 5435C Plant Ecology of Florida or 4 hrs
12 ZOO 5475L Field Ornithology 3 hrs

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

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

Graduation
- None

8. Electives
- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.

- 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
- Biomedical Sciences
- Science Education - Biology

Certificates
- None

Related Minors
- Biology
- Environmental Studies
- Biomedical Sciences

Advising Notes
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X041C or both CHM X040 plus CHM X041.
  - CHM 2045C: may use CHM X040 plus CHM X041.
  - PCB 5326C: Offered in Biology department.
  - ZOO 4850: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs
  - ZOO 4480: Mammalogy 4 hrs
  - ZOO 4713C: Plant Taxonomy 4 hrs
  - ZOO 4310C: Vertebrate Evolution & Ecology 4 hrs

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Math Course 4 hrs
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
Frank Logiudice
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.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceaas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Free Elective 3 hrs

Sophomore Year - Fall
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PCB 3044 Principles of Ecology 3 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- PCB 3083 Genetics 3 hrs
- GEP 3 hrs
- Restricted Elective 5 hrs
- Free Elective 2 hrs

Junior Year - Fall
- PHY 2053C College Physics I 4 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- Restricted Elective 5 hrs
- Free Elective 3 hrs

Junior Year - Spring
- PHY 2054C College Physics II 4 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Fall
- PCB 4683 Evolutionary Biology 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

Senior Year - Spring
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- GEP 3 hrs
- Restricted Elective 4 hrs
- Free Elective 4 hrs
- GEP 3 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:
- 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:
- 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/
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score
- Required CHM 2404 Chemistry Fundamentals IA 4 hrs
- or - Students with little chemistry background should take this two semester equivalent instead.
- Required CHM 2404 Chemistry Fundamentals IA 3 hrs
- and
- Required CHM 2404 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.
  - 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
  - MAC 2311 Calculus with Analytic Geometry I 3 hrs
UCF Degree Programs

Complete one entire physics sequence:

- PHY 2053C College Physics I and
- PHY 2054C College Physics II

or

- PHY 2048C Physics for Engineers & Scientists I and
- PHY 2049C Physics for Engineers and Scientists II

NOTE: These courses are considered to be equivalents:

- A one semester course for students with a strong chemistry background and a high Chemistry Placement score

CHM 2045C Chemistry Fundamentals I

or - Students with little chemistry background should take this two semester equivalent instead

CHM 2040 Chemistry Fundamentals I A and
CHM 2041 Chemistry Fundamentals I B

3. Core Requirements: Basic Level (8 hrs)

- CHM 2210 Organic Chemistry I - 3 hrs
- CHM 2211 Organic Chemistry II - 3 hrs
- CHM 2211L Organic Laboratory Techniques I - 2 hrs
- STA 2023 Statistical Methods I - GEP/CPP

4. Core Requirements: Advanced Level (13 hrs)

- PCB 3023 Molecular Cell Biology - 3 hrs
- PCB 3044 Principles of Ecology - 3 hrs
- PCB 3063 Genetics - 3 hrs
- PCB 4683 Evolutionary Biology - 4 hrs

5. Restricted Electives (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be most appropriate for many professional schools.

- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.

Form/Function

Complete a minimum of one lecture course from this group.

- BCH 4053 Biochemistry I or
- BCH 4054 Biochemistry II or
- 1 BSC 4454 Research in Animal Physiology or
- 2 PCB 3024L Molecular Cell Biology Laboratory or
- PCB 3063L Genetics Laboratory or
- PCB 3233 Immunology or
- 2 PCB 4514 Genetics II or
- PCB 4678 Evolution and Medicine or
- PCB 4723 Animal Physiology or
- 2 PCB Human Genetics or
- 5665C
- 1 ZOO Comparative Vertebrate Anatomy or
- 3713C
- 1 ZOO Embryology/Development or
- 4603C
- ZOO 4753C Vertebrate Histology

1 Fulfills Zoology requirement. Offered in Biology department.
2 Offered in Biology department.

Environmental

Complete a minimum of one lecture course from this group.

- 1 BOT 3802 Ethnobotany or
- 1 BOT 4850 Medicinal Botany

1 Fulfils Botany requirement. Offered in Biology department.

Systematic

Complete a minimum of one lecture course from this group.

- MCB 3020C General Microbiology or
- 1 ZOO Biology and Ecology of Metazoan
- 4205C Invertebrates or
- 1 ZOO Vertebrate Evolution & Ecology
- 4310C

1 Fulfils Zoology requirement. Offered in Biology department.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- Spanish is highly recommended.

8. Electives
- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major
- None

Related Programs
- Biology
- Chemistry
- Biomedical Sciences

Certificates
- None

Related Minors
- Biology
- Biomedical Sciences

Advising Notes
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are strongly encouraged to work with the Office of Pre-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 407-823-3033).
An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses (sections 3 and 4) and the following courses prior to taking the MCAT exam:

- MCB 3020C  General Microbiology  5 hrs
- PCB 4524  Molecular Biology II  3 hrs

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C.
- Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
- BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010C and BOT X010C.
- CHM 2045C: may use CHM X040 plus CHM X041.
- Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
- Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Prior to enrolling in Chemistry, take Chemistry Placement Test:
- http://chemplacement.sdes.ucf.edu/

Prior to enrolling in Math, take Math Placement Test:
- http://mathplacement.sdes.ucf.edu/

**Freshman Year - Fall**
- BSC 2010C  Biology I  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- ENC 1101  Composition I  3 hrs
- Math prerequisite/Restricted Elective  4 hrs

**Freshman Year - Spring**
- ENC 1102  Composition II  3 hrs
- BSC 2011C  Biology II  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- Math prerequisite/Restricted Elective  4 hrs

**Sophomore Year - Fall**
- MAC 2311  Calculus with Analytic Geometry I  4 hrs
- STA 2023  Statistical Methods I  3 hrs
- CHM 2210  Organic Chemistry I  3 hrs
- PCB 3044  Principles of Ecology  3 hrs
- GEP 3 hrs

**Sophomore Year - Spring**
- CHM 2211  Organic Chemistry II  3 hrs
- PCB 3063  Genetics  3 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- GEP 3 hrs
- Restricted Elective  3 hrs

**Junior Year - Fall**
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs
- PCB 3023  Molecular Cell Biology  3 hrs
- GEP 3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs

**Junior Year - Spring**
- PHY 2048C  Physics for Engineers & Scientists II  4 hrs
- PCB 4683  Evolutionary Biology  4 hrs
- Restricted Elective  3 hrs
- GEP 3 hrs

**Senior Year - Fall**
- Restricted Elective  4 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective  4 hrs
- Free Elective  2 hrs

Senior Year - Spring  15 hrs
- CHM 2211L  Organic Laboratory Techniques I  2 hrs
- Restricted Elective  4 hrs
- Restricted Elective  3 hrs
- Free Elective  2 hrs
- Free Elective  3 hrs

1 May be taken earlier if space permits.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

Biomedical Sciences (B.S.)
**College of Medicine**
**Burnett School of Biomedical Sciences**
**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**
**http://www.biomed.ucf.edu**

E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
407-823-5932

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.

1. **UCF General Education Program (GEP) (38 hrs)**
- Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

**A: Communication Foundations**
- Required ENC 1101  Composition I  3 hrs
- Required ENC 1102  Composition II  3 hrs
- Prefer SPC 1603  Fundamentals of Technical Presentations  3 hrs

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations**
- Select 1:
  - Suggested MAC 2311  Calculus with Analytic Geometry I or
  - Suggested MAC 2253  Applied Calculus I  3 hrs

**Select 1:**
- Suggested STA 2023  Statistical Methods I or
- Suggested CGS 1060C  Introduction to Computer Science  3 hrs

**D: Social Foundations (6 hrs)**

**E: Science Foundations (8 hrs)**
- Required BSC 2010C  Biology I  4 hrs
- Required CHM 2045C  Chemistry Fundamentals I  4 hrs

**2. Common Program Prerequisites (CPP) (16 hrs)**
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- BSC 2010C  Biology I  GEP
- BSC 2011C  Biology II  GEP
- 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
- PCB 4524  Molecular Biology II  GEP
Select one of the following sequences of courses:

- PHY 2053C College Physics I and 4 hrs
- PHY 2054C College Physics II and 4 hrs

or

- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers & Scientists II and 4 hrs

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level
(8 hrs)

Math, Statistics, Computer

Select 1:
- MAC 2311 Calculus with Analytic Geometry I or 4 hrs
- MAC 2533 Calculus with Analytic Geometry II

Select 1:
- STA 2023 Statistical Methods I or 3 hrs
- CGS 1060C Introduction to Computer Science

Chemistry

Take all of the following:
- 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

- MCB 3200C General Microbiology 5 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 4403C Quantitative Biological Methods 4 hrs

Chemistry

- BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives
(7 courses minimum)

- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- MCB 3203 Pathogenic Microbiology 3 hrs
- MCB 3404 Bacterial Genetics and Physiology 3 hrs
- MCB 4114C Determinative & Systematic Microbiology 4 hrs
- MCB 4203 Infectious Processes 3 hrs
- MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
- MCB 4276 Epidemiology of Infectious Diseases 3 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- MCB 4503C Virology 3 hrs
- MCB 4603 Environmental Microbiology 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 5225 Molecular Biology of Disease 3 hrs
- MCB 5654 Applied Microbiology 3 hrs
- MCB 5932 Current Topics in Molecular Biology 3 hrs
- MLS 3220C Techniques in Clinical Microscopy 3 hrs
- MLS 3301 Hematology 3 hrs
- MLS 4334 Hemostasis 3 hrs
- MLS 4430C Clinical Parasitology 2 hrs
- MLS 4595C Immunodiagnosics 3 hrs
- MLS 4625 Advanced Clinical Chemistry I 3 hrs
- MLS 4630 Advanced Clinical Chemistry II 3 hrs
- MCB 3063 Genetics 3 hrs
- MCB 3703C Human Physiology 4 hrs
- PCB 4028 Molecular and Cellular Pharmacology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- PCB 4251 Tissue Engineering 3 hrs
- PCB 4514 Genetics II 3 hrs
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4805 Endocrinology 3 hrs
- PCB 5238 Immunobiology 3 hrs
- PCB 5236 Cancer Biology 3 hrs

- PCB 5275 Signal Transduction Mechanisms 3 hrs
- PCB 3701C Human Gross Anatomy & Dissection 3 hrs
- ZOO 3733C Human Anatomy 4 hrs
- ZOO 3744 Neurobiology 3 hrs
- ZOO 4633 Embryology/Development 5 hrs
- ZOO 4655 Human Clinical Embryology and Congenital Malformation 3 hrs
- ZOO 4704C Clinical Neuroanatomy and Neuroscience 4 hrs
- ZOO 4755C Vertebrate Anatomy 4 hrs
- ZOO 5745C Essentials of Neuroanatomy 4 hrs
- MCB 3203 Pathogenic Microbiology 3 hrs
- MCB 4700H Honors Undergraduate Thesis II 3 hrs
- MCB 4930C General Microbiology 4 hrs
- MCB 4930C Principles of Infectious Disease 3 hrs
- PCB 4234 Cancer Biology 3 hrs
- ZOO 4747C Clinical Neuroscience 4 hrs
- PCB 4264 Stem Cell Biology 3 hrs

1 Recommended for Preprofessional students

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Variable. Students are encouraged to participate in undergraduate
  research if interested in pursuing graduate or professional education.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must complete all coursework in the baccalaureate curricu-
  luum 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 resi-
  dence at UCF
- A 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 4403H 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
Students who change degree programs and select this major must accommodate MAC 2311/2312 as prerequisites.

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- 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.

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

**Biomedical Sciences - Preprofessional Concentration (B.S.)**

**College of Medicine**

**Burnett School of Biomedical Sciences**

**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**

**http://www.biomed.ucf.edu**

**E-mail:** bcbsinfo@mail.ucf.edu

Dr. P.E. Kolattukudy, Chair

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.

**UCF Degree Programs**

**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 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 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 requirement at the community college (lower division) level must take an additional 8 hours of upper division coursework at UCF.

**Acceptable Substitutes for Transfer Courses**

- BSC 2011C Biology II 4 hrs
- may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2040C
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2041C

**Plan of Study**

**Freshman Year - Fall**

- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 1105C College Algebra 3 hrs

**Select 1:**

- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology or
- ANT 2000 General Anthropology

**Freshman Year - Spring**

- ENC 1102 Composition II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 1114 College Trigonometry 3 hrs
- BSC 2010C Biology I 4 hrs

**Select 1:**

- SLS 2311C Overview of Select Medical Careers 2 hrs

1. Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2113/2112 as prerequisites.

**Sophomore Year - Fall**

- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

**Select 1:**

- MAC 2311 Calculus with Analytic Geometry I or
- MAC 2253 Applied Calculus I

**Select 1:**

- EUH 2000 Western Civilization I or
- AMH 2010 U.S. History: 1492-1877 or
- WOH 2012 World Civilization I or
- HUM 2210 Humanistic Tradition I

**Sophomore Year - Spring**

- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

**Select 1:**

- STA 2023 Statistical Methods I or
- CGS 1060C Introduction to Computer Science

**Select 1:**

- EUH 2001 Western Civilization II or
- AMH 2020 U.S. History: 1877-Present or
- HUM 2230 Humanistic Tradition II or
- WOH 2022 World Civilization II

**Junior Year - Fall**

- PCB 3522 Molecular Biology I 3 hrs
- 1 BSC 2011C Biology II or

1. Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

2. Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2113/2112 as prerequisites.

**Senior Year - Fall**

- POS 2041 American National Government 3 hrs

**Senior Year - Spring**

- PCB 4524 Molecular Biology II 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 3233L Immunochemistry Laboratory 1 hr
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

**Select 1:**

- PHY 2045C College Physics II or
- 1 PHY 2049C Physics for Engineers and Scientists II

**Restricted Elective**

- Restricted Elective

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**Undergraduate Catalog 2011-2012**
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 (6 hrs)
Select 1:
Required CGS 1060C Introduction to Computer Science or
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
Required BSC 2010C Biology I 4 hrs
Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
See “Common Prerequisites” in the Transfer and Transitions Service section for more information.
BSC 2010C Biology I GEP
1 BSC 2011C Biology II 4 hrs
1 CHM Chemistry Fundamentals I GEP
2045C
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I GEP

Select one of the following sequences of courses:
PHY 2053C College Physics I and
PHY 2054C College Physics II 4 hrs
or
PHY 2048C Physics for Engineers & Scientists I and
PHY 2049C Physics for Engineers and Scientists II 4 hrs
1 See Transfer Notes for possible substitutions

3. Core Requirements: Basic Level (10 hrs)
Life Sciences: Basic
SLS 2311C Overview of Select Medical Careers 2 hrs

Math, Statistics, Computers
Select 1:
MAC 2311 Calculus with Analytic Geometry I or
MAC 2253 Applied Calculus I GEP

Select 1:
STA 2023 Statistical Methods I or
CGS 1060C Introduction to Computer Science GEP

Chemistry
Take all of the following:
CHM 2210 Organic Chemistry I and
CHM 2211 Organic Chemistry II and
CHM 2211L Organic Laboratory Techniques I 3 hrs

4. Core Requirements: Advanced Level (25 hrs)
Life Sciences: Advanced
MCD 3020C General Microbiology 5 hrs
MCD 4414 Microbial Metabolism 3 hrs
PCB 4239 Molecular Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry
BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives
7 courses minimum
Seven courses from below, 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.

BCH 4054 Biochemistry II 3 hrs
MCD 3203 Pathogenic Microbiology 3 hrs
MCD 3404 Bacterial Genetics and Physiology 3 hrs
MCD 4203 Infectious Processes 3 hrs
MCD 4276 Epidemiology of Infectious Diseases 3 hrs
MCD 4312 Molecular Biotechnology 3 hrs
MCD 4503C Virology 3 hrs
MCD 5225 Molecular Biology of Disease 3 hrs
MLS 3305 Hematology 3 hrs
MLS 4334 Hemostasis 3 hrs
MLS 4430C Clinical Parasitology 2 hrs
MLS 4555C Immunodiagnostics 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3703C Human Physiology 4 hrs
PCB 4028 Molecular and Cellular Pharmacology 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

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
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 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

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 I 
4 hrs

may be substituted with: CHM 2041C

Plan of Study

Freshman Year - Fall

13 hrs

ENC 1101 Composition I 
3 hrs

CHM 2045C Chemistry Fundamentals I 
4 hrs

MAC 1105C College Algebra 
3 hrs

Select 1: 
3 hrs

PSY 2012 General Psychology or 
3 hrs

SYG 2000 Introduction to Sociology or 
3 hrs

ANT 2000 General Anthropology 
3 hrs

Freshman Year - Spring

16 hrs

ENC 1102 Composition II 
3 hrs

CHM 2046 Chemistry Fundamentals II 
3 hrs

CHM 2046L Chemistry Fundamentals Laboratory 
1 hr

BSC 2011C Biology I 
4 hrs

MAC 1114 College Trigonometry 
3 hrs

Sophomore Year - Fall

CHM 2210 Organic Chemistry I 
3 hrs

MCB 3020C General Microbiology 
5 hrs

Select 1: 
4 hrs

MAC 2311 Calculus with Analytic Geometry I or 
4 hrs

MAC 2253 Applied Calculus I 
3 hrs

Select 1: 
3 hrs

EUH 2000 Western Civilization I or 
3 hrs

AMH 2010 U.S. History: 1492-1877 or 
3 hrs

WOH 2012 World Civilization I or 
3 hrs

HUM 2210 Humanistic Tradition I 
3 hrs

Sophomore Year - Spring

15 hrs

CHM 2211 Organic Chemistry II 
3 hrs

CHM 2211L Organic Laboratory Techniques I 
2 hrs

BSC 3403C Quantitative Biological Methods 
4 hrs

Select 1: 
3 hrs

STA 2023 Statistical Methods I or 
3 hrs

CGS 1060C Introduction to Computer Science 
3 hrs

Select 1: 
3 hrs

EUH 2001 Western Civilization II or 
3 hrs

AMH 2020 U.S. History: 1877-Present or 
3 hrs

HUM 2220 Humanistic Tradition II or 
3 hrs

WOH 2022 World Civilization II 
3 hrs

Junior Year - Fall

17 hrs

PCB 3522 Molecular Biology I 
3 hrs

1 MCB 2011C Biology II 
4 hrs

Select 1: 
4 hrs

PHY 2053C College Physics I or 
4 hrs

2 PHY 2048C Physics for Engineers & Scientists I 
4 hrs

Select 1: 
3 hrs

ECO 2013 Principles of Macroeconomics or 
3 hrs

POS 2041 American National Government 
3 hrs

1 Or BSC 3403C.

2 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Junior Year - Spring

16 hrs

PCB 4524 Molecular Biology II 
3 hrs

PCB 4239 Molecular Immunology 
3 hrs

PCB 3233L Immunology Laboratory 
1 hr

SPC 1603 Fundamentals of Technical Presentations 
3 hrs

Restricted Elective 
2 hrs

Select 1: 
4 hrs

1 PHY 2049C Physics for Engineers and Scientists II 
4 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall

16 hrs

BCH 4053 Biochemistry I 
3 hrs

Restricted Elective 
3 hrs

Restricted Elective 
4 hrs

Restricted Elective 
3 hrs

Senior Year - Spring

16 hrs

MCB 4414 Microbial Metabolism 
3 hrs

Restricted Elective 
3 hrs

Restricted Elective 
4 hrs

Restricted Elective 
3 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

■ Part-Time Student: $39 per term
■ Full-Time Student: $78 per term

Biotechnology (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu

E-mail: bcbinfo@mail.ucf.edu

Dr. P.E Kolattukudy, Chair
Dr. Henry Daniell, Program Director, daniell@mail.ucf.edu
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
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
■ 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
- 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:
- MAC 2311 Calculus with Analytic Geometry I or
- MAC 2233 Calculus with Analytic Geometry II 4 hrs
Required
- MAC 2283 Applied Calculus I 3 hrs

D: Social Foundations

E: Science Foundations
Required
- CHM 2045C Chemistry Fundamentals I 4 hrs
Required
- BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- BSC 2010C Biology I GEP
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I GEP
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- STA 2023 Statistical Methods I GEP
- MAC 2311 Calculus with Analytic Geometry I GEP
- PHY 2053C College Physics I 4 hrs
- PHY 2054C College Physics II 4 hrs

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (52 hrs)

Life Sciences
- MCB 3020C General Microbiology 5 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs

Chemistry
- BCH 4053 Biochemistry I 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2211L Organic Laboratory Techniques I 2 hrs

Physics

Select one of the following sequences of courses:
- PHY 2053C College Physics I and PHY 2054C College Physics II 4 hrs

or
- PHY 2048C Physics for Engineers & Scientists I and PHY 2049C Physics for Engineers and Scientists II 4 hrs

Math

Select 1:
- MAC 2311 Calculus with Analytic Geometry I or GEP
- MAC 2253 Applied Calculus I GEP

5. Restricted Electives (6 hrs)

■ Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship.
■ Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
■ Those students who do not qualify for the MCB 4970H may elect
- MCB 4912, Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- MCB 3203 Pathogenic Microbiology 3 hrs
- MCB 3404 Bacterial Genetics and Physiology 3 hrs
- MCB 4203 Infectious Processes 3 hrs
- MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
- MCB 4503C Virology 3 hrs
- MCB 4603 Environmental Microbiology 3 hrs
- MCB 5252 Molecular Biology of Disease 3 hrs
- MCB 5505 Molecular Virology 3 hrs
- MCB 5654 Applied Microbiology 3 hrs
- MCB 5932 Current Topics in Molecular Biology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3703C Human Physiology 4 hrs
- PCB 4251 Tissue Engineering 3 hrs
- PCB 4805 Endocrinology 3 hrs
- PCB 5238 Immunobiology 3 hrs
- PCB 5275 Signal Transduction Mechanics 3 hrs
- PCB 5236 Cancer Biology 3 hrs
- MCB 4912 Directed Independent Research 3 hrs
- MCB 4970H Honors Undergraduate Thesis II 3 hrs
- MCB 3203L Pathogenic Microbiology Lab 1 hr

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

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

Graduation

■ None

8. Electives

■ Variable

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ A student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives
■ A minimum of 20 hours must be taken at UCF in the department of the major
■ Students will be required to pass a comprehensive test during their last semester

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

■ 120
Acceptable Substitutes

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 X049/X048L & PHY X049/X049L
- STA X203 or STA X112 or STA X014 or STA X024 or STA X321

Acceptable Substitutes
- CHM 2045C may be substituted with CHM 2040 and CHM 2211L.
- CHM 2211L may be substituted with BSC 3403C.
- Complete the following with a grade of B or better:
  - Select 1: 3 hrs
    - CHM 2045C  Chemistry Fundamentals I
  - Select 1: 4 hrs
    - PHY 2048C  Physics for Engineers & Scientists I

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 requirement should postpone beginning the course until enrolling at UCF.

Honors In Major

- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution
- Complete the following with a grade of B or better:
  - BSC 3403H  Quantitative Biological Methods
  - MCB 4970H  Honors Undergraduate Thesis II

Junior Year - Fall

- PCB 3522  Molecular Biology I
- MCB 4720  Industrial Perspectives Seminar

Select 1:
- PHY 2053C  College Physics I
- PHY 2048C  Physics for Engineers & Scientists I

Sophomore Year - Spring

- CHM 2211  Organic Chemistry I
- CHM 2211L  Organic Laboratory Techniques I
- BSC 3403C  Quantitative Biological Methods

Select 1:
- STA 2023  Statistical Methods I
- CGS 1060C  Introduction to Computer Science

Select 1:
- EUM 2001  Western Civilization II
- AMH 2020  U.S. History: 1877-Present
- HUM 2230  Humanistic Tradition II
- WOH 2022  World Civilization II

Junior Year - Fall

- PCB 3522  Molecular Biology I
- MCB 4720  Industrial Perspectives Seminar

Select 1:
- PHY 2053C  College Physics I
- PHY 2048C  Physics for Engineers & Scientists I

Senior Year - Fall

- PCB 4524  Molecular Biology II
- PCB 4239  Molecular Immunology
- MCB 4312  Molecular Biotechnology
- MCB 4414  Microbial Metabolism
- Restricted Elective

Select 1:
- PHY 2053C  College Physics I
- PHY 2048C  Physics for Engineers & Scientists I

Junior Year - Spring

- PCB 4524  Molecular Biology II
- PCB 4239  Molecular Immunology
- MCB 4312  Molecular Biotechnology
- MCB 4414  Microbial Metabolism
- Restricted Elective

Select 1:
- PHY 2053C  College Physics I
- PHY 2048C  Physics for Engineers & Scientists I

Select 1:
- PHY 2053C  College Physics I
- PHY 2048C  Physics for Engineers & Scientists I

For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided [it is assumed that GEP and physics will be completed at cc]:

Junior Year - Fall

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall

- PCB 4524  Molecular Biology II
- PCB 4239  Molecular Immunology
- MCB 4312  Molecular Biotechnology
- MCB 4414  Microbial Metabolism
- Restricted Elective

Select 1:
- PHY 2053C  College Physics I
- PHY 2048C  Physics for Engineers & Scientists I

Senior Year - Spring

- PCB 4524  Molecular Biology II
- PCB 4239  Molecular Immunology
- MCB 4312  Molecular Biotechnology
- MCB 4414  Microbial Metabolism
- Restricted Elective

Select 1:
- PHY 2053C  College Physics I
- PHY 2048C  Physics for Engineers & Scientists I

For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided [it is assumed that GEP and physics will be completed at cc]:

Junior Year - Fall

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall

- PCB 4524  Molecular Biology II
- PCB 4239  Molecular Immunology
- MCB 4312  Molecular Biotechnology
- MCB 4414  Microbial Metabolism
- Restricted Elective

Select 1:
- PHY 2053C  College Physics I
- PHY 2048C  Physics for Engineers & Scientists I

Senior Year - Spring

- PCB 4524  Molecular Biology II
- PCB 4239  Molecular Immunology
- MCB 4312  Molecular Biotechnology
- MCB 4414  Microbial Metabolism
- Restricted Elective

Select 1:
- PHY 2053C  College Physics I
- PHY 2048C  Physics for Engineers & Scientists I

For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided [it is assumed that GEP and physics will be completed at cc]:

Junior Year - Fall

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall

- PCB 4524  Molecular Biology II
- PCB 4239  Molecular Immunology
- MCB 4312  Molecular Biotechnology
- MCB 4414  Microbial Metabolism
- Restricted Elective

Select 1:
- PHY 2053C  College Physics I
- PHY 2048C  Physics for Engineers & Scientists I

Senior Year - Spring

- PCB 4524  Molecular Biology II
- PCB 4239  Molecular Immunology
- MCB 4312  Molecular Biotechnology
- MCB 4414  Microbial Metabolism
- Restricted Elective

Select 1:
- PHY 2053C  College Physics I
- PHY 2048C  Physics for Engineers & Scientists I

For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided [it is assumed that GEP and physics will be completed at cc]:

Junior Year - Fall

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
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/aac/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $79 per term

Business Administration (B.A.B.A.)
College of Business Administration
Department of Management, Business Administration
II, Room: 101
http://www.bus.ucf.edu
E-mail: cba@bus.ucf.edu

Selena Forrest (Clermont Advising), 352-536-2174
Angelia Jones (Cocoa Advising), 321-433-7889
Christine Davis (Daytona Advising), 386-506-4021
Melba Sanchez (College of Business), 407-823-2184
407-823-2184

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF’s undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor. Not eligible for a double degree or double major with another CBA major.

Admission Requirements
- 2.0 GPA and completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of "C" (2.0) or better in each course applied toward the major.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     Required MAC 1140 Pre-Calculus Algebra 3 hrs
     Required STA 2023 Statistical Methods I 3 hrs
   - C: Mathematical Foundations (6 hrs)
     Required ECO 2013 Principles of Macroeconomics 3 hrs
   - D: Social Foundations (6 hrs)
     Select 1: 3 hrs
     Suggested ECO 2023 Principles of Microeconomics 3 hrs
   
   Select 1: 3 hrs
   Suggested ANT 2000 General Anthropology or 3 hrs

Suggested PSY 2012 General Psychology or 3 hrs
Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a "C" (2.0) or better.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- 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
- None

4. Core Requirements: Advanced Level (32 hrs)
First of subsequent semester in the College of Business Administration: 4 yrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- MAR 3203 Supply Chain Management 4 hrs

1 Required in the 1st or 2nd semester
2 Must be taken with GEB 3031

5. Restricted Electives
- None

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs
- This course is taken in the graduating term and requires the following prerequisites:
- FIN 3403C Business Finance 4 hrs
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

7. Foreign Language Requirements
- 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
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 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
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 18 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
- 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
UCF Degree Programs

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:
- A one semester course for students with a strong chemistry background and high Chem Placement scores:
  CHM 2045C  Chemistry Fundamentals I  4 hrs

or - Students with little chemistry background should take 2 this semester equivalent instead.
  CHM 2040  Chemistry Fundamentals IA and II  3 hrs
  CHM 2041  Chemistry Fundamentals IB  3 hrs

3. Core Requirements: Basic Level (4 hrs)
  BSC 2010C  Biology I  GEP
  MAC 2313  Calculus with Analytic Geometry III  4 hrs
  PHY 2048C  Physics for Engineers & Scientists I  GEP/CPP
  PHY 2049C  Physics for Engineers and Scientists II CPP

Select 1:
  STA 1060C  Basic Statistics Using Microsoft Excel or
  STA 2023  Statistical Methods I GEP

4. Core Requirements: Advanced Level (34 hrs)
  BCH 4053  Biochemistry I  3 hrs
  CHM 3120  Analytical Chemistry  3 hrs
  CHM 3120L  Analytical Chemistry Laboratory  1 hr
  CHM 3212L  Organic Laboratory Techniques II  2 hrs
  CHM 3410  Physical Chemistry I  4 hrs
  CHM 3411  Physical Chemistry II  3 hrs
  CHM 3411L  Physical Chemistry Laboratory  2 hrs
  CHM 4610  Inorganic Chemistry  3 hrs
  CHM 4610L  Inorganic Chemistry Laboratory  2 hrs
  CHM 4130  Advanced Analytical Laboratory Technique  3 hrs
  CHM 4130L  Advanced Analytical Chemistry Laboratory  2 hrs
  CHM 4912  Directed Independent Research  4 hrs
  CHM 4930  Chemistry Seminar I  1 hr
  CHM 4931  Chemistry Seminar II  1 hr

5. Restricted Electives (6 hrs)
  Select from the following courses: 6 hrs
  BCH 4054  Biochemistry II  3 hrs
  CHM 4220  Organic Chemistry III  3 hrs
  CHM 5225  Advanced Organic Chemistry  3 hrs
  CHM 5235  Applied Molecular Spectroscopy  3 hrs
  CHM 5450  Polymer Chemistry  3 hrs
  CHM 5451C  Techniques in Polymer Science  3 hrs
  CHM 5580  Advanced Physical Chemistry  3 hrs
  CHS 4200  Concepts in Industrial Chemistry  3 hrs
  CHS 4615  Environmental Chemistry  3 hrs
  Directed Electives  3 hrs
  Note: Course will be selected with the aid of a departmental advisor and approved in advance by the department chair. Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

6. Capstone Requirements
  - None

7. Foreign Language Requirements

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

Graduation
  - None

8. Electives
  - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
  - Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
  - Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
  - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
  - Grades earned in the following will not be applied in the determination of the Chemistry GPA:
    CHM 4912  Directed Independent Research  4 hrs
    CHM 4930  Chemistry Seminar I  1 hr
    CHM 4931  Chemistry Seminar II  1 hr

10. Required Minors
  - None

11. Departmental Exit Requirements
  - Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
  - Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
  - Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Sumner credit (if applicable)

Total Semester Hours Required
  - 120

Honors In Major
  - None

Related Programs
  - Forensic Science - Analysis Track
  - Forensic Science - Biochemistry Track
  - Biomedical Sciences
  - Science Education - Chemistry
  - Chemistry - Biochemistry Track

Certificates
  - None

Related Minors
  - Chemistry
  - Biomedical Sciences

Advising Notes
  - Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
  - Lower Division courses taken at community colleges do not substitute for Upper Division courses
  - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
  - Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
    - CHM 2045C: may use CHM X040C plus CHM X041C.
    - Physics & Lab: Although the CPP allows substitution by other physics courses, they will not satisfy the major; thus the specified physics courses will still have to be taken.
  - Physics: Although the CPP allows substitution by Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study
  - One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
  - Before registering for Chemistry, you must take the Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
  - Before registering for Math, you must 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
  - CHM 2045C  Chemistry Fundamentals I  4 hrs

Graduation Year - Spring
  - CHM 2040  Chemistry Fundamentals IA and II  3 hrs
  - CHM 2041  Chemistry Fundamentals IB  3 hrs
  - CHM 3120  Analytical Chemistry  3 hrs
  - CHM 3120L  Analytical Chemistry Laboratory  1 hr
  - CHM 3212L  Organic Laboratory Techniques II  2 hrs
  - CHM 3410  Physical Chemistry I  4 hrs
  - CHM 3411  Physical Chemistry II  3 hrs
  - CHM 3411L  Physical Chemistry Laboratory  2 hrs
  - CHM 4610  Inorganic Chemistry  3 hrs
  - CHM 4610L  Inorganic Chemistry Laboratory  2 hrs
  - CHM 5580  Advanced Physical Chemistry  3 hrs
  - MAC 2311  Calculus with Analytic Geometry II  4 hrs
  - PHY 2049C  Physics for Engineers and Scientists II CPP
  - STA 1060C Basic Statistics Using Microsoft Excel or
  - STA 2023 Statistical Methods I GEP
  - BCH 4054  Biochemistry II  3 hrs
  - CHM 4220  Organic Chemistry III  3 hrs
  - CHM 5225  Advanced Organic Chemistry  3 hrs
  - CHM 5235  Applied Molecular Spectroscopy  3 hrs
  - CHM 5450  Polymer Chemistry  3 hrs
  - CHM 5451C  Techniques in Polymer Science  3 hrs
  - CHM 5580  Advanced Physical Chemistry  3 hrs
  - CHS 4200  Concepts in Industrial Chemistry  3 hrs
  - CHS 4615 Environmental Chemistry 3 hrs
  - Directed Electives 3 hrs
  - Directed Electives 3 hrs
  - Directed Electives 3 hrs
  - Directed Electives 3 hrs
  - Directed Electives 3 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 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

Sophomore Year - Fall
PHY 2048C Physics for Engineers & Scientists I 4 hrs
CHM 2210 Organic Chemistry I 3 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
Statistics 3 hrs

Sophomore Year - Spring
GEP 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
Free Elective 2 hrs

Junior Year - Fall
GEP 3 hrs
BCH 4053 Biochemistry I 3 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3212L Organic Laboratory Techniques II 2 hrs
CHM 3410 Physical Chemistry I 4 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr

Junior Year - Spring
CHM 3411 Physical Chemistry II 3 hrs
CHM 3411L Physical Chemistry Laboratory 2 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4610 Inorganic Chemistry 3 hrs
Restricted Elective 3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs

Senior Year - Fall
GEP 3 hrs
CHM 4610L Inorganic Chemistry Laboratory 2 hrs
CHM 4930 Chemistry Seminar I 1 hr
Restricted Elective 3 hrs
Free Elective 2 hrs
CHM 4912 Directed Independent Research 2 hrs
Free Elective 3 hrs

Senior Year - Spring
GEP 3 hrs
CHM 4912 Directed Independent Research 2 hrs
CHM 4931 Chemistry Seminar II 1 hr
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: $45 per term
- Full-Time Student: $90 per term

Chemistry - Biochemistry Track (B.S.)
College of Sciences
Department of Chemistry, CH, Room: 117
http://www.cos.ucf.edu/chemistry
E-mail: chemstaf@mail.ucf.edu
Dr. Pedro Patino
407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor before registering.

- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level course taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.
- AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. UCF General Education Program (GEP) (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

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)

E: Science Foundations (8 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (20 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
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

NOTE: These courses are considered to be equivalents:
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score:
  CHM 2045C Chemistry Fundamentals I 4 hrs
- or - Students with little chemistry background should take this two semester equivalent instead.
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic Level (14 hrs)
- BSC 2010C Biology I GEP
- CHM 3210 Analytical Chemistry 3 hrs
- CHM 3210L Analytical Chemistry Laboratory 1 hr
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2048C Physics for Engineers & Scientists I GEP
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
Select one of the following statistics courses

- STA 1060C Basic Statistics Using Microsoft Excel or
- STA 2023 Statistical Methods I

4. Core Requirements: Advanced Level (37 hrs)

- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4912 Directed Independent Research 4 hrs
- CHM 4930 Chemistry Seminar I 1 hr
- CHM 4931 Chemistry Seminar II 1 hr
- MCB 3020C General Microbiology 5 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3063 Genetics 3 hrs

5. Restricted Electives (10 hrs)

Select from the following:

- CHM 4220 Organic Chemistry III or
- CHM 5225 Advanced Organic Chemistry 3 hrs

Additional physical, biological, and mathematical sciences courses.

- In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
- These courses should be at least at the 3000 level.

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

None

8. Electives

Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research 4 hrs
  - CHM 4930 Chemistry Seminar I 1 hr
  - CHM 4931 Chemistry Seminar II 1 hr

10. Required Minors

None

11. Departmental Exit Requirements

- Students are required to take a nationally normed test in chemistry and biochemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences

Certificates

None

Related Minors

- Chemistry
- Biology
- Biomedical Sciences

Advising Notes

None

Transfer Notes

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- 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
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring 17 hrs

- ENC 1102 Composition II 3 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
- GEP 3 hrs

Sophomore Year - Fall 14 hrs

- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- Statistics 3 hrs

Sophomore Year - Spring 16 hrs

- CHM 2211 Organic Chemistry II 3 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- PCB 3063 Genetics 3 hrs
### Junior Year - Fall
- **GEP** 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- PCB 3003 Molecular Cell Biology 3 hrs
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- GEP 3 hrs

### Senior Year - Fall
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 4912 Directed Independent Research 1 hr
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- CHM 4930 Chemistry Seminar I 1 hr
- Restricted Elective 3 hrs

### Junior Year - Spring
- GEP 3 hrs
- MCB 3020C General Microbiology 5 hrs
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs

### Senior Year - Spring
- GEP 3 hrs
- CHM 4912 Directed Independent Research 3 hrs
- CHM 4931 Chemistry Seminar II 1 hr
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceas.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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### Civil Engineering (B.S.C.E.)

**College of Engineering and Computer Science**

**Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211**

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

Carol Ann Pohl, carol.pohl@ucf.edu

Dr. F. Necati Catbas, fikret.catbas@ucf.edu

407-823-2041

### 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.
- A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. **UCF General Education Program (GEP)** (38 hrs)
   - The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Select two courses from Historical Foundations 6 hrs
   - Select one course 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 one class from Social Foundation Group 1 3 hrs
   - Select one class from Social Foundation Group 2 3 hrs

   **E: Science Foundations** (7 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Prefer GEO 1200 Physical Geography 3 hrs

2. **Common Program Prerequisites (CPP)** (19 hrs)
   - These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - A grade of “C” (2.0) or better is required in each course in this section.

3. **Core Requirements: Basic Level** (2 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

4. **Core Requirements: Advanced Level** (63 hrs)
   - EG 3310 Engineering Analysis-Statics 3 hrs
   - EG 3321 Engineering Analysis-Dynamics 3 hrs
   - EG 3331 Mechanics of Materials 3 hrs
   - EGN 3333 Thermodynamics 3 hrs
   - EGN 3613 Engineering Economic Analysis 2 hrs
   - ENV 3001 Introduction to Environmental Engineering 3 hrs
   - CEE 4003 Introduction to the Construction Industry 3 hrs
   - STA 3032 Probability and Statistics for Engineers GEP
   - CGN 3700C Civil Engineering Measurements 4 hrs
   - CGN 3501C Civil Engineering Materials 3 hrs
   - CEG 4011C Geotechnical Engineering I 4 hrs
   - CES 4100C Structural Analysis I and Lab 4 hrs
   - CWR 3201 Engineering Fluid Mechanics 3 hrs
   - CWR 4632C Water Resources Engineering I 4 hrs
   - TTE 3810 Highway Engineering 3 hrs
   - ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
   - CES 4605 Steel Structures 3 hrs
   - CES 4702 Reinforced Concrete Structures 3 hrs

   **Select 3:** 9 hrs
   - Take 3 from the following:
     - CEG 4012 Geotechnical Engineering II or
     - CWR 4633C Water Resources Engineering II or
     - ENV 4561 Environmental Engineering Operations & Processes II or
     - TTE 4274 Transportation Engineering Systems 3 hrs

   A “C” (2.0) or better is required in this course.
5. Restricted Electives

- Some students may need to take technical electives to satisfy hour shortages because of transfer status. Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- Senior Design Courses
  - CGN 4808C CECE Capstone Design 3 hrs

Design Specialization

- 1 CEG Geotechnical Engineering Design or 3 hrs
- CES 4743C Structural Design or 3 hrs
- 1 CWR Water Resources Design or 3 hrs
- 4812C
- 1 ENV 4562C Environmental Engineering Water Treatment Design or 3 hrs
- 1 TTE 4601C Urban Systems Design 3 hrs

- A ‘C’ (2.0) or better is required in this course.

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

- None

9. Additional Requirements

- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed at UCF
- A 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

- Mathematics
- Engineering Leadership

Advising Notes

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

- The Civil Engineering program offers the opportunity for exceptionally well-qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes

- Courses taken from 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 (course syllabus) with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- GEP 6 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3613 Engineering Economic Analysis 2 hrs

Sophomore Year - Fall

- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- EGN 3310 Engineering Analysis-Statistics 3 hrs
- GEP 3 hrs

Sophomore Year - Spring

- MAP 2302 Differential Equations 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- GEP 3 hrs

Sophomore Year - Summer

- ENV 3001 Introduction to Environmental Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- MAC 2314 Calculus with Analytic Geometry IV 3 hrs
- ENC 1102 Composition II 3 hrs

Junior Year - Fall

- CWR 4633C Water Resources Engineering II 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CGN 3700C Civil Engineering Measurements 4 hrs

Junior Year - Spring

- ENC 1102 Composition II 3 hrs
- GEP 6 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs
- EGN 4011C Geotechnical Engineering I 4 hrs
- CWR 4632C Water Resources Engineering I 4 hrs
- TTE 3810 Highway Engineering 3 hrs

Senior Year - Fall

- CES 4695 Steel Structures 3 hrs
- ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
- NAV 3912 Naval Architecture and Ocean Engineering 3 hrs

Discipline Depth

- EGN 4012 Geotechnical Engineering II or 3 hrs
- CWR 4633C Water Resources Engineering II or 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
- TTE 4274 Transportation Engineering Systems 3 hrs
Communication Sciences and Disorders (B.A. / B.S.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis/
E-mail: advising@mail.ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
407-823-4798

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog
■ Students should complete the General Education Program before transferring within the Florida Public University/Community College System
■ Students should consult with a departmental advisor
■ The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
■ Students must earn at least a “C-“ (1.75) in each required course, restricted elective, and B.A./B.S. elective
■ Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select 1:
Suggested STA 2043 Principles of Statistics or 3 hrs
Suggested STA 2023 Statistical Methods I 3 hrs

Select 1:
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
Suggested PST 2012 General Psychology 3 hrs
Select 1: 3 hrs

Suggested ECO 2013 Principles of Macroeconomics 3 hrs
Suggested ECO 2023 Principles of Microeconomics 3 hrs
Suggested POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
Prefer BSC 1005 Biological Principles 3 hrs
Required PHY 2XXX Physics Course 3 hrs

2. Common Program Prerequisites (CPP)
STA 2043 Principles of Statistics GEP
BSC 1005 Biological Principles GEP
PSY 2012 General Psychology GEP
PHY 2XXX Physics Course (GEP)

3. Core Requirements: Basic Level
■ None

4. Core Requirements: Advanced Level (56 hrs)
Core Requirements 53 hrs
DEP 2004C Developmental Psychology 3 hrs
SPA 3471 Communication Disorders in Literature and Media 3 hrs
SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
SPA 3112 Basic Phonetics 3 hrs
SPA 3112L Basic Phonetics Lab 1 hr
SPA 3011 Speech Science I: Production 3 hrs
SPA 3011L Speech Production Lab 1 hr
SPA 3104 Neural Bases of Communication 3 hrs
SPA 3123 Speech Science II: Perception 3 hrs
SPA 3123L Speech Perception Lab 1 hr
SPA 4476 Speech Disorders Across the Lifespan 3 hrs
SPA 4032 Audiology 3 hrs
SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
SPA 4400 Language Disorders Across the Life Span 3 hrs
SPA 4321 Audiologic Rehabilitation 3 hrs
SPA 4600 Language Science 3 hrs
LIN 3713 Language Science 3 hrs
SPA 4870C Capstone Course 3 hrs

Select 1: 3 hrs
EAB 3703C Principles of Behavior Modification or 4 hrs
EEC 4601 Introduction to Behavior Management or 3 hrs
EEC 4604 Classroom Management and Guidance for Young Children or 3 hrs
EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs

Statistics Requirement 3 hrs
■ Students have two options for completing this requirement:
Option 1: 3 hrs
STA 2023 Statistical Methods I and GEP
STA 4163 Statistical Methods II 3 hrs

Option 2: 3 hrs
STA 2043 Principles of Statistics and GEP
SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs
or
STA 2023 Statistical Methods I and GEP
SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

5. Restricted Electives (9 hrs)
■ An additional nine credit hours of upper division coursework in Communication Sciences and Disorders selected in consultation with an academic advisor.

B.A./B.S. Option:
■ Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.
■ Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.
6. Capstone Requirements
SPC 4870C Capstone Course 3 hrs

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

Graduation
- None

8. Electives
- Students can choose 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements
- None

10. Required Minors
- None

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 the undergraduate program coordinator.

Related Programs
- Health Services Administration
- Psychology
- Social Work
- Exceptional Student Education

Certificates
- None

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology
- Spanish

Advising Notes
- Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master’s degree in Communication Sciences and Disorders.

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
ENC 1101 Composition I 3 hrs
PSY 2012 General Psychology 3 hrs
BSC 1005L Biological Principles Laboratory 1 hr
BSC 1005 Biological Principles 3 hrs
Free Elective 3 hrs

Select 1:
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- MUL 2100 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2000 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- FIL 1000 Cinema Survey 3 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
DEP 2004C Developmental Psychology 3 hrs

Select 1:
- PHY 20XX (Physics Course) 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

Select 1:
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Sophomore Year - Fall
SPC 1608 Fundamentals of Oral Communication 3 hrs
SPA 3471 Communication Disorders in Literature and Media 3 hrs
Free Elective 3 hrs

Select 1:
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1:
- MGF 1106 Finite Mathematics or 3 hrs
- MAC 1105C College Algebra 3 hrs

Sophomore Year - Spring
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL

SPA 3112 Basic Phonetics 3 hrs
SPA 3112L Basic Phonetics Lab 1 hr
Foreign Language I (B.A.) or Health Sciences (B.S.) elective 3 hrs

Select 1:
- EAB 3703C Principles of Behavior Modification or 4 hrs
- EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
- EEX 4601 Introduction to Behavior Management or 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
- SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs

Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Summer
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL

Foreign Language II (B.A.) or Health Sciences (B.S.) elective 3 hrs
Free Elective 3 hrs
Junior Year - Fall 13 hrs
SPA 3011  Speech Science I: Production  3 hrs
SPA 3011L Speech Production Lab  1 hr
SPA 3101  Physiological Bases of Speech and Hearing  3 hrs
LIN 3713  Language Science  3 hrs
Restricted Elective  3 hrs

Junior Year - Spring 15 hrs
SPA 3123  Speech Science II: Perception  3 hrs
SPA 3123L Speech Perception Lab  1 hr
SPA 4476  Speech Disorders Across the Lifespan  3 hrs
SPA 3104  Neural Bases of Communication  3 hrs
LIN 3716  Language Development  3 hrs
LIN 3716L Language Development Lab  2 hrs

Senior Year - Fall 12 hrs
SPA 4032  Audiology  3 hrs
SPA 4400  Language Disorders Across the Life Span  3 hrs
SPA 4478  Multicultural Aspects of Communication Disorders & Differences  3 hrs

Select 1: 3 hrs
STA 4163  Statistical Methods II or  3 hrs
SPA 4803  Research Methods in Communication Sciences and Disorders  3 hrs

Senior Year - Spring 12 hrs
SPA 4321  Audiologic Rehabilitation  3 hrs
SPA 4870C  Capstone Course  3 hrs
Free Elective  3 hrs
Restricted Elective  3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $17.50 per term
Full-Time Student: $35.00 per term

Computer Engineering (B.S.P.E.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu

E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Charlese Hilton-Brown
407-823-3327

Admission Requirements
None

Degree Requirements
None

1. UCF General Education Program (GEP) (38 hrs)
UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101  Composition I  3 hrs
Required ENC 1102  Composition II  3 hrs
Select 1: 3 hrs
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: 3 hrs
Prefer ECO 2013  Principles of Macroeconomics  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 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.

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 & Scientists II  4 hrs

Select 1: 4 hrs
2 CHS 1440  Fundamentals of Chemistry for Engineers or  4 hrs
CHM 2045C  Chemistry Fundamentals I  4 hrs
2 A “C” (2.0) or better is required in this course.
2 Preferred

3. Core Requirements: Basic Level (2 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

EGN 1006C  Introduction to the Engineering Profession  1 hr
EGN 1007C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level (54 hrs)
Engineering Core  6 hrs
EGN 3310  Engineering Analysis-Statics  3 hrs
STA 3032  Probability and Statistics for Engineers GEP  3 hrs

Select 1: 3 hrs
EGN 3321  Engineering Analysis-Dynamics or  3 hrs
EGN 3358  Thermo-Fluids-Heat Transfer  3 hrs

Courses Required for the Major  48 hrs
COT 3100C  Introduction to Discrete Structures  3 hrs
COP 3502C  Computer Science I  3 hrs
COP 3503C  Computer Science II  4 hrs
COP 3330  Object Oriented Programming  3 hrs
COP 4331C  Processes for Object-Oriented Software Development  4 hrs
EEL 3004  Electrical Networks  3 hrs
EEL 3123C  Networks and Systems  4 hrs
EEE 3307C  Electronics I  4 hrs
EEE 3342C  Digital Systems  3 hrs
EEE 3801C  Computer Organization  3 hrs
EEL 4742C  Embedded Systems  4 hrs
EEL 4768C  Computer Architecture  4 hrs
EEL 4781  Computer Communication Networks  3 hrs
COP 4600  Operating Systems  3 hrs
UCF Degree Programs

5. Restricted Electives (9 hrs)
   - Technical electives are available in the BSCpE program to address
     specific student interests in a variety of technical areas such as Software
     Engineering. Students should consult with their academic advisor for the
     identification of courses which are approved technical electives and the
     terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
   - EEL 4914 Senior Design I 3 hrs
   - EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements
   - Two years of one foreign language in high school, or one year of
     one foreign language in college (or equivalent proficiency exam) prior to
     graduation.

     Graduation
     - None

8. Electives
   - None

9. Additional Requirements
   - Computer engineering students must earn at least 32 hours in residence
     at UCF.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - CECS encourages all engineering students to take the
      Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in 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
- 128

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Information Technology
- Computer Science
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet regularly with an academic
  advisor in the major department.
- Students are assumed to have knowledge of a higher level program-
  ming 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 stu-
  dents who plan on completing their degree in four years. All engineering
  students should meet with their faculty advisor to develop and maintain
  an appropriate plan of study.

Freshman Year - Fall
- EGN 1007C 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
- EGN 1007C Introduction to the Engineering Profession 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
- COP 3223 Introduction to Programming with C 3 hrs

Sophomore Year - Fall
- PHY 2049C Physics for Engineers and Scientists II 4 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
- GEP- Historical Foundation 3 hrs

Sophomore Year - Spring
- EEL 3004 Electrical Networks 3 hrs
- EEE 3342C Digital Systems 3 hrs
- MAP 2302 Differential Equations 3 hrs
- ENC 1102 Composition II 3 hrs

Select 1:
- 4 hrs
- 1 CHS 1440 Fundamentals of Chemistry for Engineers or
  CHM 2045C Chemistry Fundamentals I 4 hrs

1 Preferred

Sophomore Year - Summer
- EEL 3123C Networks and Systems 4 hrs
- EEL 3801C Computer Organization 3 hrs
- GEP- Cultural Foundation 3 hrs

Junior Year - Fall
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EEE 3307C Electronics I 4 hrs

Select 1:
- 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or
  EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring
- COP 3503C Computer Science II 4 hrs
- EEL 4742C Embedded Systems 4 hrs
- COP 4331C Processes for Object-Oriented Software Development
  or
  GEP- Social Foundation 3 hrs

Senior Year - Fall
- EEL 4768C Computer Architecture 4 hrs
- EEL 4914 Senior Design I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Select 1:
- 3 hrs
- ECO 2013 Principles of Macroeconomics or
  ECO 2023 Principles of Microeconomics 3 hrs

Senior Year - Spring
- COP 4600 Operating Systems 3 hrs
- EEL 4915L Senior Design II 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- Restricted Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA 160 Undergraduate Catalog 2011-2012
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oceans.ucf.edu/al/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
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346 http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
Julie Faris
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 3211 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)
   Prefer BSC 2010C Biology I 4 hrs
   Prefer PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Common Program Prerequisites (CPP) (17 hrs)
   - A “C” (2.0) or better is required in all courses in this area.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - COP 3223 Introduction to Programming with C 3 hrs
   - 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 & Scientists II GEP
   Select 2: 6 hrs
   - 4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.
   - BSC 2010C Biology I or 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 3 hrs

3. Core Requirements: Basic Level (25 hrs)
   - A “C” (2.0) or better is required in all courses in this area.
   - STA 2023 Statistical Methods I GEP
   - COP 3330 Object Oriented Programming 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 4 hrs
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - CDA 3103 Computer Logic and Organization 3 hrs
   - COT 3100C Introduction to Discrete Structures 3 hrs
   - CIS 3360 Security in Computing 3 hrs
   - COP 3402 Systems Software 3 hrs
   - COT 3960 CS Foundation Exam 0 hrs

4. Core Requirements: Advanced Level (20 hrs)
   - A “C” (2.0) or better is required in all courses in this area.
   - Students must maintain at least a 2.5 GPA in the following courses.
   - Only the highest grade is used in the calculation.

   COP 4331C Processes for Object-Oriented Development 4 hrs
   EEL 4768C Computer Architecture 4 hrs
   COP 4020 Programming Languages I 3 hrs
   COP 4606 Operating Systems 3 hrs
   COP 4810 Topics in Computer Science 3 hrs

5. Restricted Electives (15 hrs)
   - A “C” (2.0) or better is required in all courses in this area.
   - Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

6. Capstone Requirements
   - None

7. Foreign Language Requirements

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

   Graduation
   - Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Complete an exit survey
    - Computer Competency met by completion of major

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in 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
UFS Degree Programs

Honors in Major

- None

Related Programs

- Computer Engineering
- Information Technology

Certificates

- None

Related Minors

- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

Advising Notes

- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- COP 3502C Computer Science I 3 hrs
- CDA 3103 Computer Logic and Organization 3 hrs
- COT 3860 CS Foundation Exam 0 hrs

Freshman Year - Summer

- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- COP 3330 Object Oriented Programming 3 hrs

Sophomore Year - Fall

- COP 3402 Systems Software 3 hrs
- COP 3503C Computer Science II 4 hrs
- PHY 2049C Physics for Engineers and Scientists I 4 hrs
- GEP 3 hrs

Sophomore Year - Spring

- COP 4351C 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
- CIS 3360 Security in Computing 3 hrs

Sophomore Year - Summer

- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

Junior Year - Fall

- EEL 4768C Computer Architecture 4 hrs
- COP 4020 Programming Languages I 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Junior Year - Spring

- COP 4600 Operating Systems 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Math/Stat Restricted Elective 3 hrs
- CS Restricted Elective 3 hrs

Junior Year - Summer

- COT 4210 Discrete Structures II 3 hrs

Senior Year - Fall

- COP 4610 Topics in Computer Science 3 hrs
- CS Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

Senior Year - Spring

- MAC 2311 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C Physics for Engineers and Scientists I 4 hrs
- CIS 3360 Security in Computing 3 hrs
- GEP 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Construction Engineering (B.S.Con.E.)

College of Engineering and Computer Science

Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu

Carol Ann Pohl, carol.pohl@ucf.edu
Dr. Amr A. Oloufa, amr.oulofa@ucf.edu
407-823-2841

Admission Requirements

- None

Degree Requirements (128 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A "C" (2.0) or better is required in each pre-requisite course.
- A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)

- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A, B, C, D, and 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 one class from Social Foundation Group 1 3 hrs
- Select one class from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)

- Required PHY 2048C Physics for Engineers and Scientists I 4 hrs
- Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP.
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

A grade of "C" (2.0) or better is required in each course in this section.

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:

- Preferred course
  CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

or - First alternative: Select both of the following:
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs

or - Second alternative
  CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
   EGN 1006C Introduction to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (60 hrs)
   EGN 3310 Engineering Analysis-Statics 3 hrs
   EGN 3321 Engineering Analysis-Dynamics 3 hrs
   EGN 3331 Mechanics of Materials 3 hrs
   STA 3032 Probability and Statistics for Engineers GEP
   EGN 3613 Engineering Economic Analysis 2 hrs
   ENV 3001 Introduction to Environmental Engineering 3 hrs
   CWR 3201 Engineering Fluid Mechanics 3 hrs
   CCE 4003 Introduction to the Construction Industry 3 hrs
   CCE 4034 Construction Estimating and Scheduling 3 hrs
   CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
   CCE 4402 Construction Equipment and Productivity 3 hrs
   CCE 4004 Construction Methods 3 hrs
   CGN 3501C Civil Engineering Materials 3 hrs
   CGN 3700C Civil Engineering Measurements 4 hrs
   CWR 4632C Water Resources Engineering I 4 hrs
   AGC 2071 Principles of Managerial Accounting 3 hrs
   CEG 4100C Structural Analysis I and Lab 4 hrs

Structural Depth
   CES 4605 Steel Structures or 3 hrs
   CES 4702 Reinforced Concrete Structures 3 hrs

Additional Area Depth Sequence
- Geotechnical Engineering
  CEG Geotechnical Engineering I and 4 hrs
    4011C
  CEG Geotechnical Engineering II 3 hrs

or - Transportation Engineering
   TTE 3810 Highway Engineering and 3 hrs
   TTE 4274 Transportation Engineering Systems 3 hrs

1 A "C" (2.0) or better is required in this course.

5. Restricted Electives (3 hrs)
   Technical electives are available in the BSCEnE program to address specific student interests in a variety of technical areas. Students should consult the CEE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
   Required Senior Design Courses
   CCE 4810C Construction Design Project 3 hrs
   CGN 4808C CECE Capstone Design 3 hrs

1 A "C" (2.0) or better is required in this course.

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   None

8. Electives
   None

9. Additional Requirements
   Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors
    None

11. Departmental Exit Requirements
    None

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, 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
Mathematics
Engineering Leadership
Business

Advising Notes
Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master's followed by the PhD.

Transfer Notes
Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
None

Plan of Study (128 hrs)

Freshman Year - Fall
   ENC 1101 Composition I 3 hrs
   GEP 6 hrs
   MAC 2311 Calculus with Analytic Geometry I 4 hrs
   EGN 1008C Introduction to the Engineering Profession 1 hr

   14 hrs
### UCF Degree Programs

#### Freshman Year - Spring  
- ENC 1102  Composition II  
- GEP  
- MAC 2312  Calculus with Analytic Geometry II  
- PHY 2048C  Physics for Engineers & Scientists I  
- EGN 1007C  Engineering Concepts and Methods  

#### Sophomore Year - Fall  
- MAC 2313  Calculus with Analytic Geometry III  
- CHS 1440  Fundamentals of Chemistry for Engineers  
- EGN 3310  Engineering Analysis-Statics  
- EGN 3613  Engineering Economic Analysis  
- GEP  

#### Sophomore Year - Spring  
- MAP 2302  Differential Equations  
- EGN 3331  Mechanics of Materials  
- PHY 2048C  Physics for Engineers & Scientists II  
- ENV 3001  Introduction to Environmental Engineering  
- GEP  

#### Sophomore Year - Summer  
- CCE 4003  Introduction to the Construction Industry  
- CWR 3201  Engineering Fluid Mechanics  
- EGN 3321  Engineering Analysis-Dynamics  

#### Junior Year - Fall  
- CES 4100C  Structural Analysis I and Lab  
- GEP  
- CCE 4034  Construction Estimating and Scheduling  
- CCE 4813  Mechanical and Electrical Systems for Buildings  
- STA 3032  Probability and Statistics for Engineers  

#### Junior Year - Spring  
- CCE 4004  Construction Methods  
- CCE 4402  Construction Equipment and Productivity  
- CGN 3501C  Civil Engineering Materials  
- CGN 3700C  Civil Engineering Measurements  

#### Concrete or Steel  
- CES 4005  Steel Structures or  
- CES 4702  Reinforced Concrete Structures  

#### Senior Year - Fall  
- CCE 4810C  Construction Design Project  
- CWR 4632C  Water Resources Engineering I  
- Approved Technical Elective  

#### Select 1:  
- CEG 4011C  Geotechnical Engineering I or  
- TTE 3810  Highway Engineering  

#### Senior Year - Spring  
- CGN 4808C  CECE Capstone Design  
- AGN 2071  Principles of Managerial Accounting  
- GEP  

#### Select 1:  
- Take subsequent course to one selected in Fourth Year Fall.  
- CEG 4012  Geotechnical Engineering II or  
- TTE 4274  Transportation Engineering Systems  

#### Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes)  
- for undergraduate programs are located at:  
  - http://www.oeeas.ucf.edu/aic/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**  
http://www.cooha.ucf.edu/crim jus/  
E-mail: cjadvise@mail.ucf.edu

For more information, contact:  
Mary Ann Eastep  
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)
2. **A: Communication Foundations**  
   - (9 hrs)
3. **B: Cultural & Historical Foundations**  
   - (9 hrs)
4. **C: Mathematical Foundations**  
   - (6 hrs)
5. **Select 1:**  
   - (3 hrs)
   - Suggested CGS 1060C  Introduction to Computer Science or  
   - Suggested STA 1060C  Basic Statistics Using Microsoft Excel or  
   - Suggested STA 2014C  Principles of Statistics  
6. **Select 1:**  
   - (3 hrs)
   - Suggested MGF 1106  Finite Mathematics or  
   - Suggested MGF 1107  Explorations in Mathematics  
7. **D: Social Foundations**  
   - (6 hrs)
8. **E: Science Foundations**  
   - (6 hrs)

#### 2. Common Program Prerequisites (CPP)  
- None

#### 3. Core Requirements: Basic Level  
- None

#### 4. Core Requirements: Advanced Level  
- (18 hrs)
  - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - CCJ 3024  Criminal Justice System  
  - CCJ 3014  Crime in America  
  - CRL 3510  Prosecution and Adjudication  
  - CJC 3010  Corrections and Penology  
  - CJE 4014  Police and Society  
  - CCJ 4701  Research Methods in Criminal Justice  

#### 5. Restricted Electives  
- (42 hrs)
  - 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours.  
  - Program standards must be met to be eligible for either internship or independent study credit.
  - 15 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

#### 6. Capstone Requirements  
- None
7. Foreign Language Requirements

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

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Interested students should consult with a faculty advisor.

Related Programs
- Legal Studies

Certificates
- None

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- “D” (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- Select 1:  3 hrs
- MGF 1106 Finite Mathematics or
- MAC 1105C College Algebra 3 hrs
- Select 1:  3 hrs
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology or
- ANT 2000 General Anthropology 3 hrs
- Select 1:  3 hrs
- EUH 2000 Western Civilization I or
- HUM 2220 Humanistic Traditions I or
- AMH 2020 U.S. History: 1877-Present 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- Select 1:  3 hrs
- PSC 1121 Physical Science or
- CHM 1020 Concepts in Chemistry 3 hrs
- Select 1:  3 hrs
- PHI 2010 Introduction to Philosophy or
- MUL 2010 Enjoyment of Music 3 hrs

Sophomore Year - Fall
- ARH 2050 History of Western Art I or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Sophomore Year - Spring
- Select 1:  3 hrs
- EIUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Traditions II or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Junior Year - Fall
- Select 1:  3 hrs
- BSC 1005 Biological Principles or 3 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering or 3 hrs
- GLY 1030 Geology and Its Applications or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- ANT 2511 The Human Species 3 hrs

Junior Year - Spring
- Select 1:  3 hrs
- POS 2041 American National Government or 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

Senior Year - Fall
- CJL 3510 Prosecution and Adjudication 3 hrs
- CJC 3010 Corrections and Penology 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- CJ Elective 3 hrs

Senior Year - Spring
- Select 1:  3 hrs
- CJL 3510 Prosecution and Adjudication 3 hrs
- CJC 3010 Corrections and Penology 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- CJ Elective 3 hrs

Senior Year - Spring 1
- Free Elective 3 hrs
- Free Elective 3 hrs
- Supporting Elective 3 hrs
- Restricted Elective or CJ Internship 3 hrs

Sophomore Year - Spring
- Select 1:  3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Traditions II or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Junior Year - Spring
- Select 1:  3 hrs
- BSC 1005 Biological Principles or 3 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering or 3 hrs
- GLY 1030 Geology and Its Applications or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- ANT 2511 The Human Species 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 1
- Free Elective 3 hrs
- Free Elective 3 hrs
- Supporting Elective 3 hrs
- Restricted Elective or CJ Internship 3 hrs

1. If necessary

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Digital Media (B.A.)
- College of Arts and Humanities
- School of Visual Arts and Design, 12461 Research Parkway, 500 OTC
- http://www.svad.cah.ucf.edu
- 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 understand-
UCF Degree Programs

The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations - game design and web design - lead to a Bachelor of Arts degree. Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements

- None

Degree Requirements

- UCF students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 and DIG 4713 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design at UCF.

- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should see the School’s advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)
- Required: COP 2500C Concepts in Computer Science 4 hrs
- Required: MAC 1105C College Algebra 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 and 3 hrs
- Select one additional course from approved list 3 hrs

C: Mathematical Foundations (7 hrs)
- Required: COP 2500C Concepts in Computer Science 4 hrs
- Required: MAC 1105C College Algebra 3 hrs

1 (May substitute more advanced version)

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)
- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II GEP
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- COP 2500C Concepts in Computer Science GEP
- MAC 1105C College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)
- Admission to all courses after DIG 2000 is dependent on the student’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 2000C Fundamentals of Interactive Design 3 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 3232 Introduction to Programming with C and 3 hrs
- COP 3330 Object Oriented Programming and 3 hrs
- DIG 4630C Media Business Practices and 3 hrs
- DIG 4713 Game Design and 3 hrs
- DIG 4715C Game Production and 3 hrs
- DIG 4720C Casual Game Production and 3 hrs
- FIL 3720C Introduction to Animation and 3 hrs
- GRA 2151C Illustration 3 hrs

Game Design: Restricted Electives (18 hrs)
- Complete 18 hours of credits from the following areas:
- NOTE: DIG 4725C must be taken at least two times. It is repeatable for credit.
- 12 Additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level courses approved by the school. and
- DIG 4725C Game Design Workshop 6 hrs

Web Design (42 hrs)

Web Design: Basic Concentration (24 hrs)
- DIG 3134 Media Software Design and 3 hrs
- DIG 3563 Information Management and 3 hrs
- Entrepreneurship and 3 hrs
- DIG 3716C Internet Interaction and 3 hrs
- GRA 3830C Intermediate Computer Graphic Design and 3 hrs
- DIG 3811 User-Centered Design and 3 hrs
- DIG 4503 Rapid Application Web Development and 3 hrs
- DIG 4530C Media for e-Commerce and 3 hrs
- DIG 4630C Media Business Practices 3 hrs
- DIG 4104C Web Design Workshop 6 hrs

Web Design: Restricted Electives (18 hrs)
- Complete 18 hours of credits from the following areas:
- Note: DIG 4104C must be taken at least two times. It is repeatable for credit.
- 12 additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school. and
- DIG 4104C Web Design Workshop 6 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the require- ment.

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 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
- 120

Honors In Major
- None

Related Programs

- Computer Science
- English - Creative Writing
- English - Literature
- English - Technical Communication
- Film - Cinema Studies Track
- Music

Certificates
- None
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.floste.org for available test dates and test sites. FTCE General Knowledge Test (GKT) (if CLAS was used for admission) passing scores on the GKT are required prior to admission to the major. FTCE Professional Education Test (PdE) andSubject Area Examination (SAE) 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 senior 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 (PdE) and Subject Area Examination (SAE) - 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 REL 2300 World Religions 3 hrs
- Prefer PHI 2101 Introduction to Philosophy 3 hrs
- Prefer LIT 2110 World Literature I 3 hrs
- Prefer LIT 2120 World Literature II 3 hrs
- General Education Program elective from section B1 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  -要求ST A 1060C Basic Statistics Using Microsoft Excel or
  -要求ST A 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)
- General Education Program elective: Prefer social science courses 3 hrs
- Prefer POS 2951 American National Government 3 hrs
- Prefer PSY 2101 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Physical Science 3 hrs
- Select 1: 3 hrs
  - Prefer ANT 2511 The Human Species or
  - Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
1 EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (15 hrs)

Other Program Prerequisites
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs
UCF Degree Programs

Select 1:
- MAC 1105C College Algebra or 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

Select 1:
- ARE 2000 Early Childhood Art and Creativity or 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to admission to the major.
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Semester I 15 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to admission to the major.
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Semester II 15 hrs
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs

Summer 6 hrs
- Passing score on the Subject Area Examination (Pre-kindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship.
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

Semester III 12 hrs
- Based on recommendations below, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Student Teaching (EEC 4943 Internship).
- Students must apply and be approved for Internship. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
- MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
- SCE 4304 Teaching Science and Technology to Young Children 3 hrs
- RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
- EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs

Semester IV 12 hrs
- Satisfactory completion of Internship requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- EEC 4943 Student Teaching 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement:
  Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 15 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- PSC 1121 Physical Science 3 hrs

Select 1:
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs

Select 1:
- ARE 2000 Early Childhood Art and Creativity or 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs
<table>
<thead>
<tr>
<th>Program Academic Learning Compacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:</td>
</tr>
<tr>
<td><a href="http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm">http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm</a></td>
</tr>
</tbody>
</table>

### Early Childhood Development and Education

#### Track 2: Early Childhood Development (B.S.)

**College of Education**

**Department of Child, Family and Community Sciences, Education Complex, Room: 209**

[http://education.ucf.edu/ece/](http://education.ucf.edu/ece/)

**E-mail:** ece@mail.ucf.edu

Dr. Judy Levin, 222L, jlevin@mail.ucf.edu

407-823-4615

**EARLY CHILDHOOD DEVELOPMENT TRACK**

Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Meet the CLAS requirement.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete Child Development prerequisite courses with a minimum letter grade of “C” (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

**Degree Requirements**

- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
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</thead>
<tbody>
<tr>
<td>General Education Program elective from section B2: 3 hrs</td>
</tr>
<tr>
<td>Prefer REL 2300 World Religions or</td>
</tr>
<tr>
<td>Prefer PHI 2110 Introduction to Philosophy or</td>
</tr>
<tr>
<td>Prefer REL 2120 World Literature II or</td>
</tr>
<tr>
<td>General Education Program elective from section B1 to meet Gordon Rule Requirement.</td>
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</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1: 3 hrs</td>
</tr>
<tr>
<td>Prefer MGF 1106 Finite Mathematics or</td>
</tr>
<tr>
<td>Prefer MGF 1107 Explorations in Mathematics</td>
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</table>

<table>
<thead>
<tr>
<th>D: Social Foundations (9 hrs)</th>
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<tbody>
<tr>
<td>Prefer PSC 1010 Principles of Statistics</td>
</tr>
<tr>
<td>Prefer POS 2041 American National Government</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>E: Science Foundations (6 hrs)</th>
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<tbody>
<tr>
<td>Prefer PSC 1121 Physical Science</td>
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</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
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### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BSC 1005</td>
<td>Biological Principles or</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
</tr>
</tbody>
</table>

### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics or</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
</tr>
</tbody>
</table>

### GEP B1 Elective (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>GEP B3 Elective (Prefer AMH 2010)</td>
<td>3 hrs</td>
</tr>
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### Sophomore Year - Spring

12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EDF 2720</td>
<td>Children in Schools: Legal, Ethical and Safety Concerns</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>
<tr>
<td>GEP B3 Elective (Prefer AMH 2010)</td>
<td>3 hrs</td>
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### Junior Year - Fall

15 hrs

<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>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4751</td>
<td>Parent Involvement in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4207</td>
<td>Assessment and Evaluation of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4268</td>
<td>Curriculum Activities in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
<td>3 hrs</td>
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### Junior Year - Spring

6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1: 3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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### Junior Year - Fall

12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>MAE 4300</td>
<td>Math Curriculum and Assessment in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4304</td>
<td>Teaching Science and Technology to Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4311</td>
<td>Primary Reading, Writing, and Language Arts Curriculum and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4235C</td>
<td>Early Childhood Education Seminar: Bridging Theory to Practice</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Spring

12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4943</td>
<td>Student Teaching</td>
<td>12 hrs</td>
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</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm)
UCF Degree Programs

Select one Early Childhood Development Track Elective 3 hrs
- [Note: Students must consult with their advisor regarding approval for other elective options.]
  - EEC 4288 Curriculum Activities in Early Childhood or 3 hrs
  - EEC 4524 Organization and Management in Early Childhood or 3 hrs
  - EXP 3604C Cognitive Psychology or 4 hrs
  - PEO 3041 Games Analysis or 3 hrs
  - PET 3820 Teaching Sports Skills I or 3 hrs
  - PET 4640 Adapted Physical Education or 3 hrs
  - PET 4710 Methods for Physical Activity for Children and Adolescents or 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools or 3 hrs
  - SOW 4650 Child Abuse: Treatment and Prevention or 3 hrs
  - SOW 4654 Children's Services 3 hrs

Select one Practicum: Early Childhood Development 12 hrs

Admissions
- State University System foreign language admission requirement:
  - Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

Electives
- None

Additional Requirements
- None

Required Minors
- None

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.

University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

Transfer Notes
- Courses taken at community colleges may substitute for select courses in prerequisites with the permission of the department.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- Select Elective if needed 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SYG 2010 Social Problems 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs
- Select Elective 3 hrs

Freshman Year - Summer
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- MUE 2011 Early Childhood Music and Movement 3 hrs
Economics (B.A.)

College of Business Administration

Department of Economics, Business Administration II, Room: 305

http://www.bus.ucf.edu/economics

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
Nora Underwood, BA2 302N, 407-823-1403
David Scroggins, BA2 302U, 407-823-4129
407-823-3266

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their personal interests and career goals. These courses can be coupled with a minor from many different Colleges to create a unique program for each student. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics. Not eligible for a double degree with the BSBA in Economics.

Admission Requirements

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog requirements.

General Education Program and Common Program Prerequisite courses are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

Select one:
- SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select one:
- STA 1123 Pre-Calculus Algebra 3 hrs
- STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (6 hrs)

Required:
- STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Select one:
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (6 hrs)

Select one:
- MAC 2311 Intermediate Calculus 3 hrs
- STA 2023 Statistical Methods I 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 (18 hrs)

- None

4. Core Requirements: Advanced Level (16 hrs)

- None

5. Restricted Electives (18 hrs)

- All B.A. Economics majors will be required to take a minimum of six (6) electives by choosing from the following:
  - ECO 3401 Quantitative Business Tools I 4 hrs
  - STA 4163 Statistical Methods II 3 hrs
  - STA 4321 Statistical Theory I 3 hrs

Note: Student must meet CLAS requirement for admission to the program and thus must be completed prior to the Junior Year. Refer to http://www.fldoe.org/ for test dates and sites.

Junior Year - Fall (15 hrs)

- EEC 4000 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEX 4151 Parent Involvement in Education 3 hrs
- LIN 3716 Language Development 3 hrs

Senior Year - Spring (12 hrs)

- EEC 4027 Assessment and Evaluation of Young Children 3 hrs
- LAE 3412 Literature for Children 3 hrs
- PET 4050 Motor Development and Learning 3 hrs
- EEX 4300 Child and Adolescent Development for Educators 3 hrs
- Select 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

University of Central Florida
UCF Degree Programs

ECO 3703  International Microeconomics  3 hrs
ECO 3704  Global Economic Policy  3 hrs
ECO 4303  History of Economic Thought  3 hrs
ECO 4412  Econometrics  3 hrs
ECO 4504  Public Economics  3 hrs
ECO 4713  International Macroeconomics  3 hrs
ECO 4751  Law and Economics  3 hrs
ECP 3203  Labor Economics  3 hrs
ECP 4303  Environmental and Natural Resource Economics  3 hrs
ECP 4403  Industrial Organization and Game Theory  3 hrs
ECS 4013  Development Economics  3 hrs
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.

11. Departmental Exit Requirements
    - Students majoring in Economics must earn a grade of “C” (2.0) or better in every course applied towards the major as well as a 2.0 overall average in the major.
    - Computer Competency met by Research Methods course.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - Economics, Business

Certificates
   - None

Related Minors
   - Computer Science
   - Legal Studies
   - Mathematics
   - Political Science
   - Psychology
   - Sociology
   - Statistics

Advising Notes
   - None

Transfer Notes
   - Courses taken at community colleges do not substitute for Upper Division courses.
   - Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
   - ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study

Freshman Year - Fall 15 hrs
   - Free Elective 3 hrs
   - ENC 1101 Composition I 3 hrs
   - MAC 1440 Pre-Calculus Algebra 3 hrs
   - SPC 1003 Fundamentals of Oral Communication 3 hrs
   - (or Calculus)

Sophomore Year - Fall 15 hrs
   - ECO 2013 Principles of Microeconomics 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   - ECO Elective 3 hrs
   - Foreign Language 3 hrs
   - Foreign Language 3 hrs
   - (if no prior Calculus)

Sophomore Year - Spring 15 hrs
   - Foreign Language 3 hrs
   - Free Elective 3 hrs
   - Free Elective 3 hrs
   - ECO 3101 Intermediate Microeconomics 3 hrs

Junior Year - Fall 15 hrs
   - ECO Elective 3 hrs
   - ECO 2013 Intermediate Microeconomics 3 hrs

Senior Year - Fall 15 hrs
   - ECO Elective 3 hrs
   - ECO Elective 3 hrs
   - Free Elective 3 hrs
   - Free Elective 3 hrs
   - ECO Elective 3 hrs
   - ECO Elective 3 hrs
   - Free Elective 3 hrs
   - Free Elective 3 hrs

1 18 hours (minimum) of minor required.
1 18 hours (minimum) of minor required.
1 18 hours (minimum) of minor required.
1 18 hours (minimum) of minor required.
1 18 hours (minimum) of minor required.
1 18 hours (minimum) of minor required.

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

   http://www.oeas.ucf.edu/aic/academic_learning_compacts.html

Equipment Fees
   - Part-Time Student: $15 per term
   - Full-Time Student: $30 per term
Economics, Business (B.S.B.A.)
College of Business Administration
Department of Economics, Business Administration II,
Room: 305

http://www.bus.ucf.edu/economics
Michael Caputo, BAA 3020, mcaputo@bus.ucf.edu, 407-823-1405
David Scrogin, BAA 302U, 407-823-4129
Nora Underwood, BAA 302N, 407-823-1403
407-823-3265

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.

Admission Requirements
- See Common Program Prerequisites
- Completion of the UCF General Education program, 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)
     - Prefer SPC 1608 Fundamentals of Oral Communication
     - or
   - B: Cultural & Historical Foundations (9 hrs)
     - Required GGS 2100C Computer Fundamentals for Business
     - Required MAC 1140 Pre-Calculus Algebra
   - C: Mathematical Foundations (6 hrs)
     - Required MAC 2233 Concepts of Calculus
     - Suggested ECO 2023 Principles of Microeconomics
   - D: Social Foundations (6 hrs)
     - Select 1: 3 hrs
       - Suggested ECO 2013 Principles of Macroeconomics
     - Select 1: 3 hrs
       - Suggested ECO 2023 Principles of Microeconomics
   - E: Science Foundations (6 hrs)
     - Select one of the following sequences of courses:
       - Students must receive a "C" (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401.
       - ECO 3401 Quantitative Business Tools I 3 hrs
       - or
       - 1 MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs
     - 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 B.S.B.A. economics majors will be required to take five (5) electives by choosing from the following:
     - ECO 3411 Statistical Methods I 3 hrs
     - ECO 3412 Econometrics 3 hrs
     - ECO 3413 History of Economic Thought 3 hrs
     - ECO 4412 Econometrics 3 hrs
     - ECO 4504 Business Economics 3 hrs
     - ECO 4713 International Macroeconomics 3 hrs
     - ECO 4751 Law and Economics 3 hrs
     - ECP 3203 Labor Economics 3 hrs
     - ECP 4303 Environmental and Natural Resource Economics 3 hrs
     - ECP 4403 Industrial Organization and Game Theory 3 hrs
     - ECS 4013 Development Economics 3 hrs

Unofficial York is a great person.

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 B.S.B.A. economics majors will be required to take five (5) electives by choosing from the following:
  - ECO 3411 Statistical Methods I 3 hrs
  - ECO 3412 Econometrics 3 hrs
  - ECO 3413 History of Economic Thought 3 hrs
  - ECO 4412 Econometrics 3 hrs
  - ECO 4504 Business Economics 3 hrs
  - ECO 4713 International Macroeconomics 3 hrs
  - ECO 4751 Law and Economics 3 hrs
  - ECP 3203 Labor Economics 3 hrs
  - ECP 4303 Environmental and Natural Resource Economics 3 hrs
  - ECP 4403 Industrial Organization and Game Theory 3 hrs
  - ECS 4013 Development Economics 3 hrs

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
- ECO 3410 Mathematical Economics 3 hrs
- ECO 3703 Microeconomics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECO 4504 Business Economics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECO 4751 Law and Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs

- This course is taken in the graduating term and requires the following prerequisites:
  - FIN 3403C Business Finance 4 hrs
  - ECO 3411 Statistical Methods I 3 hrs
  - ECO 3412 Econometrics 3 hrs
  - ECO 4504 Business Economics 3 hrs
  - ECO 4713 International Macroeconomics 3 hrs
  - ECO 4751 International Macroeconomics 3 hrs
  - ECP 4403 Industrial Organization and Game Theory 3 hrs

7. Foreign Language Requirements
- Admissions
  - Two years of a 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 prerequisite class.
  - Final exams will be given during Exam Week.
  - Students must have at least a 2.0 GPA in the COB and major.
UCF Degree Programs

- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students majoring in Business Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in 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

Economics
- 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, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- ACG 2021- Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study

Business Economics

Freshman Year - Fall
- 1 ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1140 Pre-Calculus Algebra 3 hrs
- 1 “C” (2.0) or better grade required in each class
- 2 (or Calculus), “C” (2.0) or better grade required in each class

Freshman Year - Spring
- 1 ECO 2023 Principles of Microeconomics 3 hrs
- 1 ENC 1102 Composition II 3 hrs
- 1 CGS 2100C Computer Fundamentals for Business 3 hrs
- 1 “C” (2.0) or better grade required in each class

Sophomore Year - Fall
- 1 ECO 2013 Principles of Macroeconomics 3 hrs
- 2 ECO 3401 Quantitative Business Tools I 3 hrs
- 1 “C” (2.0) or better grade required in each class
- 2 (if no Calculus & Statistics) “C” (2.0) or better grade required in each class

Sophomore Year - Spring
- ECO 3101 Intermediate Microeconomics 3 hrs
- 1 ACG 2071 Principles of Managerial Accounting 3 hrs
- 1 “C” (2.0) or better grade required in each class

Junior Year - Fall
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- MAR 3023 Marketing 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs

Junior Year - Spring
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs

Senior Year - Spring
- ECO 4451 Research Methods in Economics 3 hrs
- MAN 4720 Strategic Management 4 hrs
- BUS 3130 Legal and Ethical Environment of Business 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oee.ucf.edu/alc/academic Learning_compacts.htm

Electrical Engineering (B.S.E.E.)

College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science

Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Charlese Hilton-Brown
407-823-3327

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/ Community College Systems should complete the 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

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Select 1: 4 hrs
Suggested SPC 1603 Fundamentals of Technical Presentations or Communication
Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Prefer ECO 2013 Principles of Macroeconomics 3 hrs
or
Prefer ECO 2023 Principles of Microeconomics 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. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

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 PHY 2048C Physics for Engineers & Scientists I GEP
1 PHY 2049C Physics for Engineers & Scientists II 4 hrs
1 MAP 2302 Differential Equations 3 hrs

Select 1: 4 hrs
1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
or
CHM 2045C Chemistry Fundamentals I 4 hrs
1 A “C” (2.0) or better is required in this course.
2 Preferred

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the required courses for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)
Courses Required for the Engineering Core 12 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3420 Engineering Analysis 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1: 3 hrs
EGN 3321 Engineering Analysis-Dynamics or 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 41 hrs
EEL 3004 Electrical Networks 3 hrs
EEL 3123C Networks and Systems 4 hrs
EEM 3350 Semiconductor Devices I 3 hrs
EEM 3307C Electronics I 4 hrs
EEM 3342C Digital Systems 3 hrs
EEL 3470 Electromagnetic Fields 3 hrs
EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
EEL 3657 Linear Control Systems 3 hrs
EEL 3801C Computer Organization 3 hrs
EEX 4309C Electronics II 4 hrs
EEL 4750 Digital Signal Processing Fundamentals 3 hrs
EEL 4742C Embedded Systems 4 hrs

5. Restricted Electives (10 hrs)
- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives 10 hrs
- Technical elective courses are to be selected by the student from department approved courses.

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.
UCF Degree Programs

Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

- EGN 106C and EGN 107C 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 106C 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
- EGN 1007C Engineering Concepts and Methods 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- ENC 1101 Composition I 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs

Sophomore Year - Fall 17 hrs
- ENC 1102 Composition II 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics

Sophomore Year - Spring 15 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- EEL 3004 Electrical Networks 3 hrs
- MAP 2302 Differential Equations 3 hrs
- EEL 3801C Computer Organization 3 hrs
- GEP- Cultural Foundation 3 hrs

Sophomore Year - Summer 10 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- GEP- Social Foundation 3 hrs

Junior Year - Fall 14 hrs
- EEE 3530 Semiconductor Devices I 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EEL 3552C Analog and Digital Communication 4 hrs

Select 1: 3 hrs
- GEP 3321 Engineering Analysis-Dynamics
- GEP 3358 Thermo-Fluids-Heat Transfer

Junior Year - Spring 17 hrs
- EEE 3307C Electronics I 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- EGN 3420 Engineering Analysis 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Senior Year - Fall 16 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Approved Technical Elective 4 hrs
- GEP-Historical Foundation 3 hrs

Senior Year - Spring 13 hrs
- EEL 4915L Senior Design II 3 hrs
- EEE 4309C Electronics II 4 hrs
- Approved Technical Elective 3 hrs
- Approved Technical Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/ac/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Elementary Education (B.S.)

College of Education
School of Teaching, Learning, and Leadership, ED, Room: 209
http://education.ucf.edu/elemented/
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 designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1: 3 hrs
- Prefer ARH 2050 History of Western Art I or
- Prefer ARH 2051 History of Western Art II or
- Prefer MUL 2010 Enjoyment of Music 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
- Suggested MAC 1105C College Algebra or
- Suggested MGF 1108 Finite Mathematics or
- Suggested MGF 1107 Explorations in 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 Political Government 3 hrs
- Prefer PSY 2022 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
3. Core Requirements: Basic Level  (15 hrs)  
Other Program Requirements  8 hrs  
1 EDF 2130  Child and Adolescent Development for Educators  3 hrs  
2 MAE 2801  Elementary School Mathematics  4 hrs  
1 PET 2081  Wellness, Children and Schools  1 hr  

Courses may vary at regional campus locations.

4. Core Requirements: Advanced Level  (60 hrs)  
Lower Division Electives  7 hrs  
- Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination:  
  * MAC 1105 or MGF 1106 (if not taken for the General Education Program)  
  * One associated science lab (BSC 1005L or PSC 1121L)  
- A second MAC 1105 or MGF 1106 is a prerequisite for MAE 2801  
- Additional science course.

Semester I  15 hrs  
1 EDG 4410  Teaching Strategies and Classroom Management  3 hrs  
EFD 4467  Learning Theory and Assessment  3 hrs  
LAE 4314  Language Arts for Children  3 hrs  
1 RED 3012  Basic Foundations of Reading  3 hrs  
1 TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs  
1 Required prior to Internship I  

Semester II  15 hrs  
SCE 3310  Teaching Science in Elementary School  3 hrs  
SSE 3312  Teaching Social Science in the Elementary School  3 hrs  
LAE 4314  Language Arts in the Elementary School  3 hrs  
1 RED 4519  Diagnostic and Corrective Reading Strategies  3 hrs  
EEX 4070  Teaching Exceptional Students  3 hrs  
1 Required prior to Internship I  

Summer  6 hrs  
EDE 4943  Internship I  3 hrs  
TSL 4240  Issues in Second Language Acquisition  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 II.  
- 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.  
- EDG 4942  Practicum for Assessment and Instruction of Reading  3 hrs  
MAE 4326  How Children Learn Mathematics  3 hrs  
1 EDE 3842  Internship I  3 hrs  
EDE 4223  Integrated Arts and Movement in the Elementary School  3 hrs  
1 RED 4942, MAE 4326, and EDE 4223 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

Semester IV (Internship II)  12 hrs  
- Passing score on the Subject Area Examination (Elementary Education K-6) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.  
- All methods/specialization/foundations courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.  
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/  
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066. EDE 4943 Internship II (Elementary)  12 hrs  

5. Restricted Electives  
- None

6. Capstone Electives  
- None

7. Foreign Language Requirements  
Admissions  
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation  
- None

8. Electives  
- None

9. Additional Requirements  
- None

10. Required Minors  
- None

11. Departmental Exit Requirements  
- Achieve a minimum 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

Related Programs  
- None

Certificates  
- None

Related Minors  
- None

Advising Notes  
- None

Transfer Notes  
- None

Acceptable Substitutes for Transfer Courses  
- None
UCF Degree Programs

Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- MAC 1105C College Algebra 3 hrs

Freshman Year - Spring 13 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr

Sophomore Year - Fall 15 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs

Sophomore Year - Spring 14 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- PET 2081 Wellness, Children and Schools 1 hr

Junior Year - Fall 15 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- LAE 3414 Literature for Children 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Spring 15 hrs
- RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
- SCE 3310 Teaching Science in Elementary School 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs

Junior Year - Summer 6 hrs
- EDF 4633 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Senior Year - Fall 12 hrs
- MAE 4326 How Children Learn Mathematics 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading Internship I 3 hrs
- EDE 3942 Integrated Arts and Movement in the Elementary School 3 hrs

Senior Year - Spring 12 hrs
- EDE 4942 Internship II (Elementary) 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oes.ucf.edu/salc/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. Patrick Murphy
407-823-5596

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students must earn at least a "C" (2.0) in each required course
- Co-op or internship credit cannot be used in the major without prior approval from the department
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer 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
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (6 hrs)
   - ENC 1101 Composition I GEP
   - ENC 1102 Composition II GEP

1 See Transfer Notes for possible substitutions. See "Common Prerequisites" in the Transfer and Transition Services section for more information.

3. Core Requirements: Basic Level (9 hrs)
   - CRW 3013 Creative Writing for English Majors 3 hrs
   - ENG 3014 Theories and Techniques of Literature Study 3 hrs
   - CRW 3053 Theory & Practice of Creative Writing 3 hrs

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 3613 Narratives of Slavery 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
Select at least one of these post-1865 literature courses.
Select 1: 3 hrs
- Each semester, additional courses may satisfy this requirement.

Check with advisor for details:
- AML 3286 Early American Women’s Words or 3 hrs
- AML 3640 Native American Literature or 3 hrs
- LIT 4374 Literature of the Bible or 3 hrs
- ENL 3296 Gothic Literature 3 hrs

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
- Journalism Studies

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 - Technical Communication
- English - Literature

Certificates
- None

Related Minors
- Linguistics
- English - Technical Communication
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- 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
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Sophomore Year - Fall
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

1 Restricted Elective 3 hrs
- BSC 1005 Biological Principles 3 hrs
UCF Degree Programs

1. Check restrictions

Sophomore Year - Spring  15 hrs
CRW 3013  Creative Writing for English Majors  3 hrs
AML 3031  American Literature I  3 hrs
ENL 2012  English Literature I  3 hrs
SPN 2200  Intermediate Spanish Language and Civilization I  3 hrs
CRW 3053  Theory & Practice of Creative Writing  3 hrs
Juniors Year - Fall  15 hrs
ENGL 3014  Theories and Techniques of Literature  3 hrs
AML 3041  American Literature II  3 hrs
CRW 3211  Creative Nonfiction Writing  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Senior Year - Fall  12 hrs
LIN 4105  History of the English Language  3 hrs
CRW 4222  Advanced Fiction Writing Workshop  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Senior Year - Spring  12 hrs
CRW 3610  Writing Scripts  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

English - Literature (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. Patrick Murphy
407-823-5596

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
Students must earn at least a “C” (2.0) in each required course.
Co-op or internship credit is not accepted in the major.
Students should consult with a departmental advisor.
Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations
Required ENC 1101  Composition I  3 hrs
Required ENC 1102  Composition II  3 hrs
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 on class from 1.B.1 list  3 hrs

C: Mathematical Foundations
1 Required MGF 1106  Finite Mathematics  3 hrs
Prefer STA 1080C  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)

1 ENC 1101  Composition I  GEP
1 ENC 1102  Composition II  GEP
1 May substitute for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)
1 ENC 3014  Theories and Techniques of Literature  3 hrs

Choose one gateway course  3 hrs
CRW 3013  Creative Writing for English Majors or
ENL 3241  Writing for the Technical Professional or
CRW 3053  Theory & Practice of Creative Writing  3 hrs

1 Prerequisite for all 4000 level AML, ENL, or LIT courses

4. Core Requirements: Advanced Level (15 hrs)

Literary History Requirement
Choose five courses from the two groupings

Select at least two pre-1865 literature courses  6 hrs
Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2:  6 hrs
AML 3031  American Literature I or
AML 3613  Narratives of Slavery 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
LIT 4374  Literature of the Bible or
AML 3286  Early American Women’s Words or
AML 3640  Native American Literature or
ENL 3296  Gothic Literature  3 hrs

Select at least two post-1865 literature courses  6 hrs
Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2:  6 hrs
AML 3041  American Literature II or
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 4285  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 4043  Modern Drama As Literature or
LIT 4184  Irish Literature or
LIT 4303  Post-World War II Fiction or
LIT 3823  Hispanic Women Writers  3 hrs

5. Restricted Electives (15 hrs)
Upper Division Requirements
Choose one single author or major author course: 3 hrs

Select 1: 3 hrs
AML 4300  Major American Authors or
ENL 3311  Chaucer or
ENL 4341  Milton and His Age or

ENL 4333  Shakespeare Studies or 3 hrs
ENL 4303  British Authors or 3 hrs
LIT 4244  World Authors 3 hrs

Choose one linguistics or theory course: 3 hrs

Select 1: 3 hrs
ENG 3010  Practical Criticism or 3 hrs
LIN 3010  Principles of Linguistics or 3 hrs
LIN 4105  History of the English Language or 3 hrs
LIN 4643  Cross Cultural Communication or 3 hrs
LIN 4660  Linguistics and Literature or 3 hrs
LIN 4680  Modern English Grammar or 3 hrs
LIT 4554  Advanced Feminist Theories 3 hrs

Three additional upper level courses 9 hrs

- AML, ENL, or LIT prefix

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- None

Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives

- Selected 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 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
- Writing and Rhetoric

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 15 hrs
ENC 1101  Composition I 3 hrs
HUM 2210  Humanistic Tradition I 3 hrs
MGF 1106  Finite Mathematics 3 hrs
POS 2041  American National Government 3 hrs
SPC 1608  Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring 16 hrs
CHM 1020  Concepts in Chemistry 3 hrs
ENC 1102  Composition II 3 hrs
LIT 2110  World Literature I 3 hrs
STA 1060C  Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 16 hrs
AML 1001  American Novel 3 hrs
ENL 4253  The Victorian Age: Poetry 3 hrs
Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
ENG 3014  Theories and Techniques of Literature Study 3 hrs
AML 3031  American Literature I 3 hrs
AML 3041  American Literature II 3 hrs
Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
CRW 4122  World Literature II 3 hrs
ENL 4224  World Literature II 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
CRW 4224  World Literature II 3 hrs
ENL 4320  World Literature II 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
AML 4101  American Novel 3 hrs
ENL 4253  The Victorian Age: Poetry 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
LIT 3383  Women in Literature 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm
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
E-mail: english@mail.ucf.edu
Dr. Patrick Murphy
407-823-5596

Admission Requirements
Defined as "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.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Required: ENC 1101 Composition I 3 hrs
   - Required: ENC 1102 Composition II 3 hrs
   - Prefer: SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer: MGF 1106 Finite Mathematics 3 hrs
   - Prefer: STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

   C: Mathematical Foundations (6 hrs)
   - 1 Prefer ENC 1101 Composition I
   - 1 Prefer ENC 1102 Composition II
   - 1 Prefer STA 1060C Basic Statistics Using Microsoft Excel

2. Common Program Prerequisites (CPP)
   - Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

3. Core Requirements: Basic Level (6 hrs)
   - Select 1: 3 hrs
     - ENC 3241 Writing for the Technical Professional 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   - Select 1: 3 hrs
     - ENC 4293 Technical Writing Style 3 hrs
   - ENC 4294 Document and Collaborative Management 3 hrs
   - LIT 4433 Literature of Science and Technology 3 hrs

   - Select 1: 3 hrs
     - ENC 4215 Technical Publication and Project Management 3 hrs
     - ENC 4218 The Visual in Technical Documentation 3 hrs

5. Restricted Electives (3 hrs)
   - Select 1: 3 hrs
     - ENL 4240 English Romantic Writers or 3 hrs
     - ENL 4311 Chaucer or 3 hrs
     - ENL 4333 Shakespeare Studies or 3 hrs
     - ENL 4341 Milton and His Age or 3 hrs
     - LIT 4374 Literature of the Bible or 3 hrs
     - AML 3286 Early American Women’s Words or 3 hrs
     - AML 3640 Native American Literature or 3 hrs
     - ENL 3296 Gothic Literature 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Met by graduation requirement

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3013, CRW 3021, CRW 3030, CRW 3100, 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 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 (9 hrs)
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in 5000 level English elective (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours).
- Successful completion and oral defense of Honors thesis.

Related Programs
- English - Creative Writing
- English - Literature
- Certificates
- None

Related Minors
- English - Creative Writing
- English - Literature
- English - Linguistics
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

English Language Arts Education (B.S.)

College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/englished/
E-mail: jkaplan@mail.ucf.edu
Dr. Jeff Kaplan, ED 122B
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-5.068. 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
- Required LIT 2110 World Literature I 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 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 (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species or
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (12 hrs)
- EDF 2320 Child and Adolescent Development for Educators 3 hrs
- LIT 2110 World Literature I GEP 3 hrs
- LIT 2120 World Literature II 3 hrs
- ENL 2102 English Language I 3 hrs
- ENL 2102 English Literature II 3 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 (63 hrs)

Education Core Requirements 21 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Prerequisite for Internship I.
# UCF Degree Programs

## Specialization Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CRW 3013</td>
<td>Creative Writing for English Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENG 3014</td>
<td>Theories and Techniques of Literature Study</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3031</td>
<td>American Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3041</td>
<td>American Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4464</td>
<td>Survey of Adolescent Literature</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## Select 1:

<table>
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<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3311</td>
<td>Advanced Expository Writing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4105</td>
<td>History of the English Language</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## Internship I Block

- 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.education.ucf.edu/clinicalexp/](http://www.education.ucf.edu/clinicalexp/).

### Internship I

- LAE 4360 English Instructional Analysis 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 3940 Internship 3 hrs

## 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.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalexp/](http://www.education.ucf.edu/clinicalexp/).
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- Passing score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

### LAE 4941 Internship 12 hrs

## 5. Restricted Electives

- None

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### 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

- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

#### Freshman Year - Spring

- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

#### Freshman Year - Summer

- LIT 2110 World Literature I 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

#### Sophomore Year - Fall

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- LIT 2120 World Literature II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Select 1:

- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

#### Select 1:

- STA 2014C Principles of Statistics or 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

#### Sophomore Year - Spring

- ENL 2012 English Literature I 3 hrs
- AML 3031 American Literature I 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

#### Sophomore Year - Summer

- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- ENL 2022 English Literature II 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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Junior Year - Fall
CRW 3013 Creative Writing for English Majors 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
EDF 4407 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs

Junior Year - Spring
AML 3041 American Literature II 3 hrs
LAE 4361 Literacy Strategies for Middle and High School 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Select 1:
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
LAE 4360 English Instructional Analysis 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
LAЕ 3940 Internship 3 hrs

Senior Year - Spring
LAЕ 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.cece.ucf.edu/asl/academic_learning_compacts.htm

Environmental Engineering (B.S. Env.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carol.pohl@ucf.edu
Dr. Andrew Randall, andrew.randall@ucf.edu
407-823-2841

Admission Requirements
- None

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one course 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 one course from Social Foundations Group 1 3 hrs
- Select one course from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- A grade of "C" (2.0) or better is required in each course in this section.
- "E" MAC 2311 Calculus with Analytic Geometry I GEP 4 hrs
- "E" MAC 2312 Calculus with Analytic Geometry II 4 hrs
- "E" MAC 2313 Calculus with Analytic Geometry III 4 hrs
- "E" MAP 2302 Differential Equations 3 hrs
- "E" PHY 2048C Physics for Engineers & Scientists I GEP 4 hrs
- "E" PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select one of the following sequences of courses:
- Preferred course
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - or
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs

1 also satisfy UCF GEP sub-requirements

3. Core Requirements: Basic Level (9 hrs)
- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
- "E" EGN 1005C Introduction to the Engineering Profession 1 hr
- "E" EGN 1007C Engineering Concepts and Methods 1 hr
- "E" CHM 2045C Chemistry Fundamentals I CPP 3 hrs
- "E" CHM 2046 Chemistry Fundamentals II 3 hrs
- "E" CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- "E" CCE 4003 Introduction to the Construction Industry 3 hrs
- "E" STA 3032 Probability and Statistics for Engineers GEP 3 hrs
- "E" CWR 3201 Engineering Fluid Mechanics 3 hrs
- "E" CEG 4011C Geotechnical Engineering I 4 hrs
- "E" EES 4111C Biological Process Control 3 hrs
- "E" EES 4202C Chemical Process Control 4 hrs
- "E" ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
- "E" CWR 4632C Water Resources Engineering I 4 hrs
- "E" CWR 4633C Water Resources Engineering II 3 hrs
- "E" ENV 4120 Air Pollution Control 3 hrs
- "E" ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
- "E" ENV 4341 Solid & Hazardous Waste Management 3 hrs

1 A “C” (2.0) or better is required in this course.
UCF Degree Programs

5. Restricted Electives (3 hrs)
   - Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
   - Required Senior Design Courses
   - CGN 4808C CECE Capstone Design 3 hrs

Design Specialization 3 hrs
   - Must be completed before registering for CGN 4808C - Capstone Design
   - ENV 4433C Environmental Engineering Wastewater Design or
   - 1 ENV 4122C Air Pollution Control Design or
   - 1 ENV 4300C Solid Waste Facility Design or
   - 1 ENV 4562C Environmental Engineering Water Treatment Design

1 A “C” (2.0) or better is required in this course.

7. Foreign Language Requirements

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

Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - EnVe students must take the Fundamentals of Engineering (FE) Exam during their senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 126

Honors In Major
   - None

Related Programs
   - Chemistry
   - Construction Engineering
   - Civil Engineering

Certificates
   - None

Related Minors
   - Chemistry
   - Environmental Studies
   - Mathematics
   - Engineering Leadership
   - Bioengineering

Advising Notes
   - Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

- The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
   - Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
   - Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
   - EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one our for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study (128 hrs)

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

   Freshman Year - Fall 14 hrs
   - ENC 1101 Composition I 3 hrs
   - MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - EGN 1006C Introduction to the Engineering Profession 1 hr
   - 1 BSC 1050 Biology and Environment 3 hrs
   - GEP 3 hrs

   Freshman Year - Spring 15 hrs
   - ENC 1102 Composition II 3 hrs
   - MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - EGN 1007C Engineering Concepts and Methods 1 hr
   - 1 GEO 1200 Physical Geography 3 hrs

   Sophomore Year - Fall 16 hrs
   - MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - CHM 2045C Chemistry Fundamentals I 4 hrs
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3613 Engineering Economic Analysis 2 hrs
   - GEP 3 hrs

   Sophomore Year - Spring 17 hrs
   - MAP 2302 Differential Equations 3 hrs
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   - PHY 2049C Physics for Engineers and Scientists II 4 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - GEP 3 hrs

   Sophomore Year - Summer 9 hrs
   - EGN 3343 Thermodynamics 3 hrs
   - ENV 3001 Introduction to Environmental Engineering 3 hrs
   - GEP 3 hrs

   Junior Year - Fall 15 hrs
   - CWR 3201 Engineering Fluid Mechanics 3 hrs
   - EGN 3331 Mechanics of Materials 3 hrs
   - STA 3032 Probability and Statistics for Engineers 3 hrs
   - CCE 4003 Introduction to the Construction Industry 3 hrs
   - ENV 4341 Solid & Hazardous Waste Management 3 hrs

   Junior Year - Spring 14 hrs
   - GEP 3 hrs
   - CEG 4011C Geotechnical Engineering I 4 hrs
   - ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
   - CWR 4632C Water Resources Engineering I 4 hrs
Senior Year - Fall  
16 hrs
- ENV 4120  Air Pollution Control  3 hrs
- ENV 4561  Environmental Engineering Operations & Processes II  3 hrs
- EES 4202C  Chemical Process Control  4 hrs
- CWR 4633C  Water Resources Engineering II  3 hrs
- Design Specialization  3 hrs
- ENV 4433C  Environmental Engineering Wastewater Design  3 hrs
- ENV 4122C  Air Pollution Control Design or ENS 4300C  Solid Waste Facility Design  3 hrs
- ENV 4562C  Environmental Engineering Water Treatment Design  3 hrs

Senior Year - Spring  
12 hrs
- EES 4111C  Biological Process Control  3 hrs
- Restricted Elective  3 hrs
- GEP  3 hrs
- CGS 4808C  CECE Capstone Design  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/ulc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Event Management (B.S.)
Rosen College of Hospitality Management
Department of Tourism Event and Attractions, 9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dr. Deborah Breiter, Department Chair
Dr. Abraham Pizam, Dean
407-903-8000

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required MAC 1105C  College Algebra  3 hrs
   Select 1:  
   Required CGS 2100C  Computer Fundamentals for Business or 3 hrs
   Required STA 2023C  Statistical Methods I  3 hrs
   D: Social Foundations (6 hrs)
   Select 1:  
   Required ECO 2013C  Principles of Macroeconomics or 3 hrs
   Required ECO 2023C  Principles of Microeconomics  3 hrs
   Select 1:  
   Required PSY 2012C  General Psychology or SYG 2000C  Introduction to Sociology or 3 hrs
   Required ANT 2000C  General Anthropology  3 hrs
   E: Science Foundations (6 hrs)
   Select 1:  
   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
   MAC 1105C  College Algebra  GEP
   Select 1:  
   STA 2023C  Statistical Methods I or CGS 2100C  Computer Fundamentals for Business  GEP

Select 1:
- ECO 2013C  Principles of Macroeconomics or GEP
- ECO 2023C  Principles of Microeconomics  GEP

4. Core Requirements: Advanced Level (52 hrs)
   Hospitality Management Core 24 hrs
   HFT 2401  Hospitality Industry Financial Accounting  3 hrs
   HFT 2500  Hospitality and Tourism Marketing  3 hrs
   HFT 2220  Hospitality Human Resources Management  3 hrs
   HFT 2254  Lodging Operations  3 hrs
   HFT 3431  Hospitality Industry Managerial Accounting  3 hrs
   HFT 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

Event Management Core 25 hrs
- FSS 2284C  Food Preparation for Catered Events  4 hrs
- HFT 2750  The Event Industry  3 hrs
- HFT 3670  Hospitality and Event Risk Management  3 hrs
- HFT 3512  Event Promotion  3 hrs
- HFT 3373  Event Design, Production & Technology  3 hrs
- HFT 3519  Event Services  3 hrs
- HFT 3523  Event Sales  3 hrs
- HFT 4757  Event Management  3 hrs

5. Restricted Electives (18 hrs)
   Complete any six restricted Event Management Electives

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
UCF Degree Programs

Honors In Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ None

Transfer Notes
■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
■ Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
■ A minimum of 30 semester hours must be completed at UCF within the event major.
■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000 Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
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Select one course from the list
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<thead>
<tr>
<th>Hours</th>
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<tbody>
<tr>
<td>3 hrs</td>
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Cult/Historical Foundation Course
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>AMH 2010 U.S. History: 1492-1877</td>
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</tr>
<tr>
<td>HUM 2210 Humanistic Tradition I</td>
<td>3 hrs</td>
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<tr>
<td>EUH 2000 Western Civilization I</td>
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<tr>
<td>WOH 2012 World Civilization I</td>
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Freshman Year - Spring
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<th>Course</th>
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<tbody>
<tr>
<td>ENC 1102 Composition II</td>
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<tr>
<td>MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2750 The Event Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2220 Hospitality Human Resources Management</td>
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Cultural Foundation Course
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<th>Course</th>
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<tr>
<td>HUM 2230 Humanistic Tradition II</td>
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<td>AMH 2200 U.S. History: 1877-Present</td>
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<tr>
<td>EUH 2001 Western Civilization II</td>
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</tr>
<tr>
<td>WOH 2022 World Civilization II</td>
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Sophomore Year - Fall
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<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HFT 3670 Hospitality and Event Risk Management</td>
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<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2500 Hospitality and Tourism Marketing</td>
<td>3 hrs</td>
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Select 1:
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<th>Course</th>
<th>Credits</th>
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<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
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<tr>
<td>ECO 2023 Principles of Microeconomics</td>
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Science Foundation
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<tr>
<td>BSC 1005 Biological Principles</td>
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<td>BSC 1050 Biology and Environment</td>
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<td>GLY 1030 Geology and its Applications</td>
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<tr>
<td>GEO 1200 Physical Geography</td>
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<tr>
<td>ANT 2511 The Human Species</td>
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Sophomore Year - Spring
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<tr>
<td>HFT 3512 Event Promotion</td>
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<tr>
<td>HFT 3519 Event Services</td>
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<tr>
<td>1 FSS 2284C Food Preparation for Catered Events</td>
<td>4 hrs</td>
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Science Foundation II
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<tr>
<td>AST 2002 Astronomy</td>
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</tr>
<tr>
<td>CHM 1020 Concepts in Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSC 1121 Physical Science</td>
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</table>

1 Food Preparation for Catered Events 4 credit hours

Cultural Foundation Course
<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>FIL 1000 Cinema Survey</td>
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<tr>
<td>REL 2300 World Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 2010 Enjoyment of Music</td>
<td>3 hrs</td>
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<tr>
<td>THE 2000 Theatre Survey</td>
<td>3 hrs</td>
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<tr>
<td>ARH 2050 History of Western Art I</td>
<td>3 hrs</td>
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<tr>
<td>LIT 2110 World Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 2120 World Literature II</td>
<td>3 hrs</td>
</tr>
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</table>

Event Management Restricted Electives ***See list in Catalog for 9hrs

Senior Year - Fall
<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>HFT 3540 Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2254 Lodging Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2401 Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3940 Internship</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 3373 Event Design, Production &amp; Technology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Event Management Restricted Elective ***See list in Catalog for 3hrs

University Free Electives 5 hours

Exceptional Student Education (B.S.)

College of Education

Department of Child, Family and Community Sciences, Education Building, Room: 209
http://www.education.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.
■ Meet the foreign language admission requirement.
■ Meet the Gordon Rule Requirement.
■ 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 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.
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: 1892-1877 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)
     - 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

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

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 (12 hrs)
   - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
   - EXX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
   - RED 3012 Basic Foundations of Reading 3 hrs
   - TSL 4060 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

   Semester II (15 hrs)
   - EDF 4467 Learning Theory and Assessment 3 hrs
   - EXX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs
   - LAE 4314 Language Arts in the Elementary School 3 hrs
   - TSL 4240 Issues in Second Language Acquisition 3 hrs
   - RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs

   Semester III (Summer) (6 hrs)
   - Please note: It is required to take the Professional Education Test (PET) portion of the FTCE during Semester II
   - EDF 4467 Learning Theory and Assessment 3 hrs
   - EXX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs
   - LAE 4314 Language Arts in the Elementary School 3 hrs
   - TSL 4240 Issues in Second Language Acquisition 3 hrs
   - RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs

   Semester IV (15 hrs)
   - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at the Florida Department of Education.
   - EED 4941 Internship I Exceptional Education 3 hrs
   - EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
   - EDG 3012 Basic Foundations of Reading 3 hrs
   - EEC 4606 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Elementary Level: Methods Content Area Course I (3 hrs)
   - LAE 3314 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
UCF Degree Programs

Secondary Level: Methods Content Area Course I

- SCE 4360 Science Instructional Analysis or 4 hrs
- MAE 4360 Mathematics Instructional Analysis or 4 hrs
- SSE 4361 Social Science Instructional Analysis or 4 hrs
- LAE 4360 English Instructional Analysis or 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

1 To enroll in this course, you must be registered for EEX 3942 Internship.

Semester V 12 hrs
- 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.

Elementary Level: Methods Content Area Course II

- SCE 3310 Teaching Science in Elementary School or 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School or 3 hrs
- LAE 3414 Literature for Children 3 hrs

Secondary Level: Methods Content Area Course II

- SCE 4360 Science Instructional Analysis or 4 hrs
- MAE 4360 Mathematics Instructional Analysis or 4 hrs
- SSE 4361 Social Science Instructional Analysis or 4 hrs
- LAE 4360 English Instructional Analysis or 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a 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 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 15 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Sophomore Year - Fall 12 hrs
- SPC 1008 Fundamentals of Oral Communication 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Select 1: 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- ANT 2511 The Human Species 3 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring 12 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- EEX 2758 Enhancing Family Involvement in Education 2 hrs
- EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

Sophomore Year - Summer 3 hrs
- A passing score on the FTCE General Knowledge Test (GKT) portion of the Florida Teacher Certification Examination is required prior to admission to the Exceptional Education Program.
- EEX 2010 Introduction to Special Education 3 hrs

Junior Year - Fall 12 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

Junior Year - Spring 15 hrs
- It is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE during Semester II.

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EEX 3243  Techniques for Exceptional Adolescents-Adults  3 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
TSL 4240  Issues in Second Language Acquisition  3 hrs
LAE 4314  Language Arts in the Elementary School  3 hrs
RED 4519  Diagnostic and Corrective Reading Strategies  3 hrs

Junior Year - Summer  6 hrs
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  15 hrs
EEX 4763  Technology for Classroom Teachers of Students with Special Needs  3 hrs
EEX 4801  Introduction to Behavior Management  3 hrs
EEX 3942  Internship I Exceptional Education  3 hrs
RED 4842  Practicum for Assessment and Instruction  3 hrs

Select Methods Content I  9 hrs
Choose from one of the following. Must be different from the selected course during Senior Year Fall Term.

SCE 3310  Teaching Science in Elementary School  3 hrs
SSE 3312  Teaching Social Science in the Elementary School  3 hrs
LAE 3414  Literature for Children  3 hrs
MAE 4326  How Children Learn Mathematics  3 hrs
SCE 4360  Science Instructional Analysis or 4 hrs
SSE 4361  Social Science Instructional Analysis  4 hrs
LAE 4360  English Instructional Analysis or 3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12 or 3 hrs
MAE 4360  Mathematics Instructional Analysis  4 hrs

Senior Year - Spring  12 hrs
EEX 4943  Internship  9 hrs
Select one approved Methods Course  3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oecs.ucf.edu/aai/academic_learning_compacts.htm

Film (B.F.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 421
http://www.filmt.cah.ucf.edu
E-mail: film@mail.ucf.edu
Steve Schlow, 407-823-2845
407-823-2845

Admission Requirements
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors. Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major.
Contact the Film Department for details, or visit the website, http://www.filmt.cah.ucf.edu.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.
- A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.

- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)  (36 hrs)
- See Transfer Notes for possible substitutions.
A: Communication Foundations  (9 hrs)
B: Cultural & Historical Foundations  (9 hrs)
1 Pref Il 2030 History of Motion Pictures  3 hrs
2 Pref one course from 1.B.1 list  3 hrs
2 Pref one course from either 1.B.1 or 1.B.2 list  3 hrs

C: Mathematical Foundations  (6 hrs)
1 Prefer MGF 1106 Finite Mathematics  3 hrs
Select 1:  3 hrs
- Prefer CGS 1060C Introduction to Computer Science or 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel  3 hrs

May substitute a higher level math

D: Social Foundations  (6 hrs)
E: Science Foundations  (6 hrs)
2 Common Program Prerequisites (CPP)  (3 hrs)
1 Pref Fil 2030 History of Motion Pictures  GEP
2 Fil 1007 Foundations of Story  3 hrs
3 See transfer notes for possible substitutions.

3. Core Requirements: Basic Level  (21 hrs)
- Lower level core requirements
Fil 2107 Script Analysis  3 hrs
Fil 1009 Cinematic Expression for Majors  3 hrs
Fil 2552 Editing I  3 hrs
Fil 2480 Directing for Film I  3 hrs
Fil 2461 Cinematography I  3 hrs
Fil 2481 Directing the Actor for Film I  3 hrs
Dig 2000 Introduction to Digital Media  3 hrs

4. Core Requirements: Advanced Level  (36 hrs)
- Upper level core requirements
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 3036 Film History I  3 hrs
Fil 3037 Film History II  3 hrs
Fil 3803C Film Theory and Criticism I  3 hrs
1 Fil 3922 Film Colloquium  1 hr
Fil 4486C Directing for Film II  3 hrs
Fil 4661 The Film Producer  3 hrs
Fil 4647 Film Production Management  3 hrs

1 May substitute a higher level math
2 See transfer notes for possible substitutions.

5. Restricted Electives  (12 hrs)
- Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor’s prior approval.
Production / Direction
Fil 3363C Film Documentary  3 hrs
Dig 4704 Interactive Entertainment  3 hrs
Fil 4472C Cinematography II  3 hrs
Fil 4535C Sound Design for Film II  3 hrs
Fil 4536 Sound Design III  3 hrs
Fil 4451 Design for Film  3 hrs
Fil 4487 Directing for Film III  3 hrs
Fil 4566C Editing II  3 hrs

Screen Writing
Fil 4103 Adaptation  3 hrs
Fil 4162C Feature/TV Writing I  3 hrs
Fil 4163C Feature/TV Writing II  3 hrs
Fil 4113C Interactive Writing I  3 hrs
Fil 4114C Interactive Writing II  3 hrs
Fil 4126C Genre Writing  3 hrs
Fil 406 Directed Independent Study  1 hr

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UCF Degree Programs

Cinema Studies

FIL 3880C  Images of Women in Film  3 hrs
FIL 3831  Black Cinema  3 hrs
FIL 3051  Avant-Garde Cinema  3 hrs
FIL 3804C  Film Theory and Criticism II  3 hrs
FIL 3841  French New Wave Cinema  3 hrs
FIL 3824  Italian Neo-Realist Cinema  3 hrs
FIL 3847  Latin American Cinema  3 hrs
FIL 3820  Italian Film  3 hrs
FIL 3822  French Film  3 hrs
FIL 3823  German Film  3 hrs
FIL 3826  American Cinema  3 hrs
FIL 3871  The American Film Artist  3 hrs
FIL 4436  Film Theory/Film Production  3 hrs

Digital Cinema

ART 2823  Art as Interface  3 hrs
ART 3618  Post-Production Design  3 hrs
COP 3502C  Computer Science I  3 hrs
DIG 4955C  Converging Media Capstone  3 hrs
DIG 3138C  Digital Imagery  3 hrs
DIG 4780C  Modeling for Realtime Systems  3 hrs
ENC 4415  Digital Rhetorics and The Modern Dialectic  3 hrs
DIG 3134  Media Software Design  3 hrs
MUC 3311  MIDI Sequencing I  3 hrs

6. Capstone Requirements (6 hrs)
FIL 4434C  Capstone I  3 hrs
FIL 4579C  Capstone II  3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- Journalism Studies

11. Departmental Exit Requirements
- A student must maintain an overall average of a “B” (3.0) or better in major courses.
- Department of Film requires an exit interview.

Computer Competency met by one of the following: 3 hrs
- CGS 1060C  Introduction to Computer Science or
- FIL 2552  Editing I or
- 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
- Film - Cinema Studies Track
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

Certificates
- None

Related Minors
- Art - Studio
- Film - Cinema Studies
- English - Creative Writing
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
- FIL 1007 may use any introductory film writing course. However, FIL 1008 is a prerequisite for all major courses and must be taken

Plan of Study

Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- FIL 1007  Foundations of Story  3 hrs
- FIL 1008  Cinematic Expression/Aesthetics  3 hrs
- FIL 1009  Cinematic Expression for Majors  3 hrs
- FIL 3922  Film Colloquium  1 hr
- GEP  3 hrs
- Foreign Language  4 hrs

Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- FIL 2030  History of Motion Pictures  3 hrs
- FIL 2107  Script Analysis  3 hrs
- FIL 3922  Film Colloquium  1 hr
- GEP  3 hrs
- Foreign Language  4 hrs

Freshman Year - Summer
- GEP  3 hrs

Sophomore Year - Fall
- FIL 3115  Short Script I  3 hrs
- FIL 3427C  Introduction to Film Production  3 hrs
- FIL 3803C  Film Theory and Criticism I  3 hrs
- FIL 3922  Film Colloquium  1 hr
- GEP  3 hrs
- GEP  3 hrs

Sophomore Year - Spring
- FIL 2480  Directing for Film I  3 hrs
- FIL 2481  Directing the Actor for Film I  3 hrs
- FIL 2552  Editing I  3 hrs
- FIL 3922  Film Colloquium  1 hr
- GEP  3 hrs
- GEP  3 hrs

Sophomore Year - Summer
- GEP  3 hrs
- GEP  3 hrs

Junior Year - Fall
- DIG 2000  Introduction to Digital Media  3 hrs
- FIL 2461  Cinematography I  3 hrs
- FIL 3036  Film History I  3 hrs
- FIL 3534  Sound Design for Film I  3 hrs
- FIL 3922  Film Colloquium  1 hr
- FIL 4486C  Directing for Film II  3 hrs

Junior Year - Spring
- FIL 3037  Film History II  3 hrs
- FIL 3132  Short Script II  3 hrs
- FIL 3922  Film Colloquium  1 hr
- FIL 4647  Film Production Management  3 hrs
- FIL 4661  The Film Producer  3 hrs
- FIL XXX - Elective

Senior Year - Fall
- FIL 4434C  Capstone I  3 hrs
- FIL XXX - Elective
- FIL XXX - Elective
### Film - Cinema Studies Track (B.A.)

**College of Arts and Humanities**

**Department of Film, Nicholson School of Communication, Room: 121**

http://www.film.cah.ucf.edu

E-mail: film@mail.ucf.edu

Steve Schlow, 407-823-2845

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</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>(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>(6 hrs)</td>
<td></td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (3 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 3. Core Requirements: Basic Level (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 1008</td>
<td>Cinematic Expression/Aesthetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2107</td>
<td>Script Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2423</td>
<td>Foundations of Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (36 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 3006</td>
<td>Art of the Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3462C</td>
<td>Cinematic Expression</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3363C</td>
<td>Film Documentary</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3036</td>
<td>Film History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3037</td>
<td>Film History II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3051</td>
<td>Avant-Garde Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3803C</td>
<td>Film Theory and Criticism I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3804C</td>
<td>Film Theory and Criticism II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3845</td>
<td>World Cinema Traditions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3826</td>
<td>American Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4661</td>
<td>The Film Producer</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- FIL 3102 Writing for Film and TV or 3 hrs
- FIL 3115 Short Script I 3 hrs

#### 5. Restricted Electives (9 hrs)

- Select three courses from the following upper level FIL courses.
- A maximum of 6 hours Independent Study and/or internship credit may be used.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 3850</td>
<td>Cinema Directors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3880C</td>
<td>Images of Women in Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3831</td>
<td>Black Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3841</td>
<td>French New Wave Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3041</td>
<td>History of Animated Films</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3824</td>
<td>Italian Neo-Realist Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3842</td>
<td>International Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3820</td>
<td>Italian Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3822</td>
<td>French Film</td>
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<td>The American Film Artist</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4436</td>
<td>Film Theory/ Film Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4906</td>
<td>Directed Independent Study</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 5612</td>
<td>Film and Internet Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4855C</td>
<td>Converging Media Capstone</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4704</td>
<td>Interactive Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3847</td>
<td>Latin American Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3852</td>
<td>Cinema Criticism Writing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 6. Capstone Requirements

- **None**

#### 7. Foreign Language Requirements

**Admissions**

- Met by graduation requirement.

**Graduation**

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

#### 8. Electives

- Select primarily from upper level courses 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
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
  - FIL 1008 Cinematic Expression/Aesthetics 3 hrs

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors in Major**

- None
## UCF Degree Programs

### Related Programs
- Music
- Theatre
- Radio - Television
- English - Creative Writing
- Film

### Certificates
- None

### Related Minors
- Music
- Theatre
- Art - Studio
- English - Creative Writing

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for Common Program Prerequisites:
  - FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
  - FIL 1007 may use any introductory film writing course. However, FIL 1007 is a prerequisite for all major courses and must be taken.

### Plan of Study
- A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- FIL 1007 Foundations of Story 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- Foreign Language I 4 hrs

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- FIL 2107 Script Analysis 3 hrs
- Foreign Language II 4 hrs

### Freshman Year - Summer
- GEP 3 hrs

### 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

### Sophomore Year - Spring
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 3037 Film History II 3 hrs

### Take one of the following
- FIL 3102 Writing for Film and TV or 3 hrs
- FIL 3115 Short Script I 3 hrs
- GEP 3 hrs

### Junior Year - Fall
- FIL 3363C Film Documentary 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL XXX - Elective 3 hrs
- GEP 3 hrs

### Junior Year - Spring
- FIL 3462C Cinematic Expression 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs
- FIL 4681 The Film Producer 3 hrs
- GEP 3 hrs

### Senior Year - Fall
- FIL 3826 American Cinema 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL XXX - Elective 3 hrs
- Minor 6 hrs

### Senior Year - Spring
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL XXX - Elective 3 hrs
- Minor 6 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Finance (B.S.B.A.)

#### College of Business Administration

#### Department of Finance, Business Administration I, Room: 409

Students seeking advising must go to BA 2 room 101.

http://web.bus.ucf.edu/academics/finance/ 407-823-3575

Not eligible for a double degree with another College or Business Administration major.

### Admission Requirements
- Completion of the UCF General Education Program, Golden Rule, and CLAS or an AA degree from a Florida public community college.
- See Common Program Prerequisites.

### Degree Requirements
- Students who change their degree programs should adopt the most current catalog.
- Only grades “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Restricted Electives below) can count toward another major or minor degree program.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students majoring in finance must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:
  - FIN 3403C Business Finance 4 hrs

#### 1. UCF General Education Program (GEP)

- Required Courses and Restricted Electives below) can count toward another major or minor degree program.

#### A: Communication Foundations
- Prefer SPC 1608 Fundamentals of Oral Communication

#### B: Cultural & Historical Foundations

#### C: Mathematical Foundations
- Required MAC 1140 Pre-Calculus Algebra 3 hrs
- Required CGS 2100C Computer Fundamentals for Business 3 hrs

#### D: Social Foundations

- Select 1:
  - Suggested ECO 2013 Principles of Macroeconomics 3 hrs
  - Suggested ECO 2023 Principles of Microeconomics 3 hrs

- Select 1:
  - Suggested PSY 2012 General Psychology 3 hrs
  - Suggested ANT 2000 General Anthropology 3 hrs
  - Suggested SYG 2000 Introduction to Sociology 3 hrs
### 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 section for more information.
- **AGC 2071** Principles of Managerial Accounting 3 hrs
- **ECO 2013** Principles of Macroeconomics 3 hrs
- **ECO 2023** Principles of Microeconomics 3 hrs
- **CGS 2100C** Computer Fundamentals for Business 3 hrs
- **AGC 2021** Principles of Financial Accounting 3 hrs

#### Select one of the following sequences of courses:
- **Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.**
  - **ECO 3401** Quantitative Business Tools I 3 hrs
  - or
  - **MAC 2333** 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:
  - **1 GEB 3031** Cornerstone: Professional Skills for Business 3 hrs
  - **GEB 3375** Introduction to International Business 4 hrs
  - **BUL 3130** Legal and Ethical Environment of Business 4 hrs
  - **ECO 3411** Quantitative Business Tools II 4 hrs
  - **FIN 3403C** Business Finance 3 hrs
  - **MAN 3025** Management of Organizations 4 hrs
  - **MAR 3023** Marketing 4 hrs
  - **GEB 3031L** Cornerstone Lab: Professional Skills for Business 1 hr
  - **MAR 3203** Supply Chain Management 4 hrs

1 Required in 1st or 2nd semester.

#### 4. Core Requirements: Advanced Level (18 hrs)
- **Select 2:**
  - **FIN 4324** Commercial Bank Management or 3 hrs
  - **FIN 4424** Advanced Topics in Financial Management or 3 hrs
  - **FIN 4514** Portfolio Analysis and Management or 3 hrs
  - **FIN 4533** Financial Derivatives or 3 hrs
  - **FIN 4604** International Financial Management 3 hrs

#### 5. Restricted Electives (6 hrs)
- **Select 2:**
  - **AGC 3131** Intermediate Financial Accounting I or 3 hrs
  - **AGC 3141** Intermediate Financial Accounting II or 3 hrs
  - **AGC 3361** Cost Accounting I or 3 hrs
  - **ECO 4412** Econometrics or 3 hrs
  - **FIN 4361** Financial Statement Analysis or 3 hrs
  - **FIN 4324** Commercial Bank Management or 3 hrs
  - **FIN 4424** Advanced Topics in Financial Management or 3 hrs
  - **FIN 4514** Portfolio Analysis and Management or 3 hrs
  - **FIN 4533** Financial Derivatives or 3 hrs
  - **FIN 4604** International Financial Management 3 hrs
  - **FIN 4906** Directed Independent Study or 1 hr
  - **FIN 4941** Finance Internship or 3 hrs
- **1 FIN 4903H** Honors Directed Reading I or 1 hr
- **1 FIN 4970H** Undergraduate Honors Thesis or 1 hr
- **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 4204** Residential Real Estate Finance or 3 hrs
- **REE 4303** Real Estate Investment Analysis or 3 hrs
- **REE 4732** Real Estate Development or 3 hrs
- **TAX 4001** Taxation of Business Entities and 3 hrs
- **Transactions or**
  - **REE 4203** Commercial Real Estate Finance or 3 hrs
  - **REE 4933** Advanced Topics in Real Estate or 3 hrs
  - **GEB 4374** International Negotiations and Transactions 3 hrs


### 6. Capstone Requirements (4 hrs)
- **MAN 4720** Strategic Management 4 hrs
- This course is taken in the graduating term and requires the following prerequisites:
  - **GEB 3031** Cornerstone: Professional Skills for Business 3 hrs
  - **MAR 3203** Marketing 4 hrs
  - **MAN 3025** Management of Organizations 4 hrs
  - **FIN 3403C** Business Finance 4 hrs

### 7. Foreign Language Requirements

#### Admissions
- Two years of one foreign language in high school, or one year of a 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
- Completion of 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

#### Finance: Banking
- None

#### Finance: Corporate Finance
- None

#### Finance: Investments
- None

### Related Minors
- None

### Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

#### Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
UCF Degree Programs

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C”(2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester
- General electives as required to reach 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- CJS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs
- Elective 3 hrs

Sophomore Year - Fall 15 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2021 Principles of Business Accounting 3 hrs
- Science 3 hrs
- Elective 3 hrs

Sophomore Year - Spring 15 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3411 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall 16 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs
- FIN 3403C Business Finance 4 hrs

Junior Year - Spring 17 hrs
- FIN 3303 Financial Markets 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- MAN 3025 Management of Organizations 4 hrs

Senior Year - Fall 14 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

Senior Year - Spring 13 hrs
- MAN 4720 Strategic Management 4 hrs
- FIN 4453 Financial Models 3 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Foreign Language Education - French (B.S.)
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language
Dr. Karen Verkler, ED 220L, kverkler@mail.ucf.edu, 407-823-5235
Dr. Janet Andreaden, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
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 2001 U.S. History: 1492-1877 3 hrs
     - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
     - Prefer PHI 2010 Introduction to Philosophy 3 hrs
   - C: Mathematical Foundations (6 hrs)
     - Select 1: 3 hrs
       - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
       - Prefer STA 2014C Principles of Statistics 3 hrs
     - Select 2: 3 hrs
       - Preferred MGF 1106 Finite Mathematics or
       - Preferred MGF 1107 Explorations in Mathematics 3 hrs
   - D: Social Foundations (6 hrs)
     - Prefer POS 2041 American National Government 3 hrs
     - Prefer PSY 2012 General Psychology 3 hrs
   - E: Science Foundations (6 hrs)
     - Prefer PSC 1121 Physical Science 3 hrs
     - Select 1: 3 hrs
       - Prefer ANT 2511 The Human Species or
       - Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2055 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
Rule 6A-5.066.

Demonstrate proficiency in all 12 Florida Educator Accomplished Practices at dates and applications are available through the Office of Clinical Internship.

Testing of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

A minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I. 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.clinicaexperiences.education.ucf.edu.

FLE 3940 Internship 3 hrs

Specialization Requirements 33 hrs

1 FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
1 FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
FRE 3300 French Grammar 3 hrs
FRE 3420 French Composition 3 hrs
FRE 3760 Advanced French Oral Communication 3 hrs
FRW 3100 Survey of French Literature I 3 hrs
FRW 3101 Survey of French Literature II 3 hrs
2 FRE 4421 Advanced French Conversation 3 hrs
2 FRE 4422 Advanced French Composition 3 hrs
Upper division restricted electives (FRE/FRW 34XX with advisor’s consent) 6 hrs

1 Required prior to Internship I.
2 FRE 3410 and FRE 3423 may substitute for FRE 4421 and FRE 4422.

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
Select 1: 3 hrs

STA 2014C Principles of Statistics or
STA 1060C Basic Statistics Using Microsoft Excel

Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring 12 hrs

EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
FRE 2201 Intermediate French Language and Civilization II 3 hrs

Select 1: 3 hrs

ANT 2511 The Human Species or
BSC 1005 Biological Principles

Junior Year - Fall 15 hrs

EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
FRE 3300 French Grammar 3 hrs
FRE 3420 French Composition 3 hrs
FRW 3100 Survey of French Literature I 3 hrs

Junior Year - Spring 15 hrs

FRW 3101 Survey of French Literature II 3 hrs
FRE 3760 Advanced French Oral Communication 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs
FRE 4422 Advanced French Composition 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Junior Year - Summer 9 hrs

FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

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.oecs.ucf.edu/alc/academic_learning_compacts.htm

Foreign Language Education - Spanish (B.S.)
College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://www.education.ucf.edu/language
E-mail: kverkler@mail.ucf.edu
Dr. Karen Verkler, ED 220L
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430 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).
5. Restricted Electives

Required prior to Internship I

Required prior to Internship II

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

Specialization Requirements 27 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 FLE 4333 Foreign Language Teaching in the Secondary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 FLE 4314 Foreign Language Teaching in Elementary Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3300 Advanced Spanish Grammar and Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3420 Spanish Composition</td>
<td>3 hrs</td>
</tr>
<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>
<tr>
<td>SPN 3344 Advanced Spanish Native Fluency I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3345 Advanced Spanish Native Fluency II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Required prior to Internship I

Required prior to Internship II

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3852 Bilingüismo or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 4800 Spanish-American Syntax or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 4801 Spanish Morphosyntax</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Internship II Block 12 hrs

At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II. 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 pre-professional level in accordance with State Board of Education Rule 6A-5.066.

FLE 4941 Internship 12 hrs

5. Restricted Electives

None
### UCF Degree Programs

#### Forensic Science - Analysis Track (B.S.)

**College of Sciences**  
Department of Chemistry, Chemistry, Room: 306A  
[http://chemistry.cos.ucf.edu/](http://chemistry.cos.ucf.edu/)  
**E-mail:** chemistry@ucf.edu  
Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522  
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)

- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

**A: Communication Foundations (9 hrs)**

- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs  
- Required ENC 1101 Composition I 3 hrs  
- Required ENC 1102 Composition II 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**

- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs  
- Required STA 2023 Statistical Methods I 3 hrs

**C: Mathematical Foundations (7 hrs)**

- Required BSC 2010C Biology I 4 hrs  
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

**D: Social Foundations (6 hrs)**

- Required CHM 2045C Chemistry Fundamentals IB 3 hrs  
- Required EDF 4467 Learning Theory and Assessment 3 hrs

**E: Science Foundations (8 hrs)**

- Required SPC 1603 Fundamentals of Technical Presentations 3 hrs  
- Required CHM 2045C 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.

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm](http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm)
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

Total Semester Hours Required  124

Honors in Major
None

Related Programs
Chemistry
Forensic Science - Biochemistry Track

Certificates
Behavioral Forensics
Crime Scene Investigation

Related Minors
Chemistry

Advising Notes
None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Before registering for Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
Before registering for Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall  15 hrs
BSC 2010C Biology I  4 hrs
ENC 1101 Composition I  3 hrs
MAC 2311 Calculus with Analytic Geometry I  4 hrs
CHM 2045C Chemistry Fundamentals I  4 hrs

Freshman Year - Spring  15 hrs
PHY 2048C Physics for Engineers & Scientists 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
CHS 3591 Introduction to Forensic Science  3 hrs

Sophomore Year - Fall  16 hrs
GEP
SPC 1603 Fundamentals of Technical Presentations  3 hrs
STA 2023 Statistical Methods I  3 hrs
PHY 2049C Physics for Engineers and Scientists II  4 hrs
CHM 2210 Organic Chemistry I  3 hrs

Sophomore Year - Spring  14 hrs
GEP
CHM 2211 Organic Chemistry II  3 hrs
CHM 2211L Organic Laboratory Techniques I  2 hrs
Restricted Elective  3 hrs
ENC 1102 Composition II  3 hrs

Junior Year - Fall  14 hrs
CHM 3120 Organic Chemistry I  3 hrs
PCB 3063 Genetics  3 hrs
CHS 3505C Forensic Microscopy  4 hrs
CHS 4537 Forensic Laboratory Quality Assurance  2 hrs
CHM 3120L Analytical Chemistry Laboratory  1 hr
Free Elective  1 hr

Junior Year - Spring  14 hrs
GEP
CHS 3595 Forensic Science in the Courtroom  3 hrs
CHM 4130 Advanced Analytical Laboratory Technique  3 hrs
Restricted Elective  3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory  2 hrs

Senior Year - Fall  16 hrs
PCB 3233 Immunology  3 hrs
CHS 3533 Forensic Biochemistry I  2 hrs

Plan of Study
One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Before registering for Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
Before registering for Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/
### UCF Degree Programs

**CHM 3422**  Applied Physical Chemistry  3 hrs  
**CHS 3530C**  Forensic Analysis of Controlled Substances  4 hrs  
**GEP**  3 hrs  
Free Elective  1 hr  
Free Elective  1 hr  
**Senior Year - Spring**  16 hrs  
**GEP**  3 hrs  
**Restrict Elective**  3 hrs  
**Restricted Elective**  3 hrs  
**CHS 3511C**  Trace Evidence  4 hrs  
Free Elective  3 hrs  
**Senior Year - Summer**  4 hrs  
**CHS 4591**  Forensic Science Internship  4 hrs  

**Program Academic Learning Compacts**  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.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  
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)**  
   - Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1603 Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<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>
</tbody>
</table>

<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>7 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>6 hrs</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>8 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP)  
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level  
**20 hrs**

### 4. Core Requirements: Advanced Level  
**45 hrs**

<table>
<thead>
<tr>
<th>A. Forensic Science Core</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 3501 Introduction to Forensic Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3505C Forensic Microscopy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 4537 Forensic Laboratory Quality Assurance</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHS 3565 Forensic Science in the Courtroom</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3533 Forensic Biochemistry I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHS 4591 Forensic Science Internship</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B. Forensic Biochemistry Track</th>
<th>27 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3020C General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BCH 4053 Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054 Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4103L Biochemical Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3522 Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4524 Molecular Biology II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 3403C Quantitative Biological Methods</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 4534C Forensic Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3533L Forensic Biochemistry I Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives  
**3 hrs**

Any course approved by the Forensic Program advisor.

### 6. Capstone Requirements  
- None

### 7. Foreign Language Requirements  
- Admissions
  - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

- Graduation
  - None

### 8. Electives  
- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements  
- None

### 10. Required Minors  
- None

### 11. Departmental Exit Requirements  
- Earn a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.

---

**Full-Time Student:** $90 per term  
**Part-Time Student:** $45 per term  

**See "Common Prerequisites" in the Transfer and Transitions Services section for more information."
1. 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.

2. The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

3. Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

1. A 2.0 UCF GPA

2. 60 semester hours earned after CLEP awarded

3. 45 semester hours of upper division credit completed

4. 30 of the last 39 hours of course work must be completed in residency at UCF

5. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

6. Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

124

Honors In Major

1. None

Related Programs

1. Chemistry

2. Forensic Science - Analysis Track

3. Biomedical Sciences

Certificates

1. None

Related Minors

1. Chemistry

2. Biomedical Sciences

Advising Notes

1. None

Transfer Notes

1. Lower Division courses taken at community colleges do not substitute for Upper Division courses.

2. Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

1. CHM 2045C: may use CHM X040 plus CHM X041.

2. Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.

3. 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

1. One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

2. Before registering for Chemistry, take Chemistry Placement Test ~ http://chemplacement.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
- CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring

- PHY 2048C Physics for Engineers & Scientists 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
- CHS 3505C Forensic Microscopy 4 hrs

Sophomore Year - Fall

- GEP 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- CHM 2210 Organic Chemistry I 3 hrs

Sophomore Year - Spring

- GE 3 hrs
- GE 3 hrs

Junior Year - Fall

- PCB 3063 Genetics 3 hrs
- PCB 3063L Genetics Laboratory 1 hr
- CHS 3505C Forensic Microscopy 4 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- Restricted Elective 3 hrs
- Free Elective 1 hr

Junior Year - Spring

- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MCB 3020C General Microbiology 5 hrs

Senior Year - Fall

- PCB 3233 Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- CHS 3533 Forensic Biochemistry I 2 hrs
- BCH 4053 Biochemistry I 3 hrs
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- CHS 3533L Forensic Biochemistry I Laboratory 1 hr

Senior Year - Spring

- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- CHS 3595 Forensic Science in the Courtroom 3 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr

Senior Year - Summer

- CHS 4591 Forensic Science Internship 4 hrs

Program Academic Learning Compacts

1. 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

1. Part-Time Student: $45 per term
2. Full-Time Student: $90 per term

French (B.A.)

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colbourn Hall, Room: 523

http://mll.cah.ucf.edu/

Dr. Paul Giordano
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

1. None

Degree Requirements

1. Students who change degree programs and select this major must adopt the most current catalog.

2. 36 credits in French must be taken at the 3000 level or above.

3. At least six of the 36 French credits must be at the 4000 level.

4. At least 30 hours must be taken in Modern Language courses taught in French.

5. Earn at least a “C” (2.0) in each upper division French course.

6. 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.

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   1 Required MGF 1106 Finite Mathematics 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) (14 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   1 FRE 1120C Elementary French Language and Civilization I 4 hrs
     1 FRE 1121C Elementary French Language and Civilization II 4 hrs
     1 FRE 2200 Intermediate French Language and Civilization I 3 hrs
     1 FRE 2201 Intermediate French Language and Civilization II 3 hrs
   
1 May be met by proficiency test or completion of FRE 2201

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (21 hrs)
   1 FRE 3300 French Grammar 3 hrs
     FRW 3100 Survey of French Literature I 3 hrs
     1 FRE 3780 French Phonetics and Diction 3 hrs
     FOL 3730 Romance Philology 3 hrs
   Select 1: 3 hrs
     1 FRE 3420 French Composition or 3 hrs
       FRE 4422 Advanced French Composition 3 hrs
   Select 1: 3 hrs
     1 FRE 3760 Advanced French Oral Communication or 3 hrs
       FRE 4421 Advanced French Conversation 3 hrs
   Select 1: 3 hrs
     FRW 3101 Survey of French Literature II or 3 hrs
       FRW 3770 Francophone Literature 3 hrs
   
1 A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

5. Restricted Electives (15 hrs)
   French literature beyond the survey level (taught in French)
   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
- Spanish
- Modern Language Combination

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/alic/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
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 General Business must apply for admission to the major.**

**Final exams will be given during Exam Week.**

**Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.**

**Students must have at least a 2.0 GPA in the major and COB.**

**Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.**

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

**A: Communication Foundations (9 hrs)**
- **Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs**

**B: Cultural & Historical Foundations (9 hrs)**
- **Required CGS 2100C Computer Fundamentals for Business 3 hrs**
- **Suggested MAC 1140 Pre-Calculus Algebra 3 hrs**

**C: Mathematical Foundations (6 hrs)**
- **Required MAC 2311C Calculus I 3 hrs**
- **Suggested MAC 2311 Pre-Calculus Algebra 3 hrs**

**D: Social Foundations (6 hrs)**
- **Select 1:**
  - **Required ECO 2013 Principles of Macroeconomics 3 hrs**
  - **Required ECO 2023 Principles of Microeconomics 3 hrs**
- **Select 1:**
  - **Required ECO 2023 Principles of Microeconomics 3 hrs**
  - **Required ECO 2033 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.**
  - **AGC 2021 Principles of Managerial Accounting 3 hrs**
  - **AGC 2071 Principles of Managerial Accounting 3 hrs**
  - **CGS 2100C Computer Fundamentals for Business 3 hrs**
  - **ECO 2013 Principles of Macroeconomics 3 hrs**
  - **ECO 2023 Principles of Microeconomics 3 hrs**

**Select one of the following sequences of courses:**
- **Students must receive a “C” (2.0) 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 STA 2023 Statistical Methods I 3 hrs**

### 3. Core Requirements: Basic Level

**None**

### 4. Core Requirements: Advanced Level (32 hrs)

**Core Classes 32 hrs**

**First or subsequent semester in the College of Business 32 hrs**

**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**
- **1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs**
- **2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr**
- **GBE 3375 Introduction to International Business and 4 hrs**
- **MAN 3305 Management of Organizations and 4 hrs**
- **MAR 3023 Marketing and 4 hrs**
- **MAR 3203 Supply Chain Management 4 hrs**

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

**Second Level Core 12 hrs**
- **Students must take at least one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, and Marketing.**
- **Second Level core electives: must take one class from courses listed below in Finance, Management, and Marketing.**

**Economics: Must Select 3 hrs**
- **ECP 4703 Managerial Economics 3 hrs**

**Finance: Select One 3 hrs**
- **FIN 3303 Financial Markets or 3 hrs**
- **FIN 3414 Intermediate Corporate Finance or 3 hrs**
- **FIN 3504 Investment Analysis 3 hrs**

**Management: Select One 3 hrs**
- **GEB 3113 How to Start a Business or 3 hrs**
- **MAN 3301 Management of Human Resources or 3 hrs**
- **MAN 4240 Organizations: Theory and Behavior or 3 hrs**
- **MAN 4441 Conflict Resolution and Negotiation 3 hrs**

**Marketing: Select One 3 hrs**
- **MAR 3403 Sales Force Management or 3 hrs**
- **MAR 3613 Marketing Analysis and Research or 3 hrs**
- **MAR 4156 International Marketing or 3 hrs**
- **MAR 4841 Services Marketing 3 hrs**

### 5. Restricted Electives (12 hrs)

**Restricted electives are to be taken from two different departments and from the courses listed above or below from Economics, at least two of the restricted electives must be at the 4000 level.**

**Any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. The substitution must be petitioned and have prior written approval.**

**ECO 3223 Money and Banking 3 hrs**
**ECP 3203 Labor Economics 3 hrs**

### 6. Capstone Requirements (4 hrs)
- **MAN 4720 Strategic Management 4 hrs**

**This course is taken in the graduating term and requires the following prerequisites:**
- **FIN 3403C Business Finance 4 hrs**
- **1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs**
- **2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr**
- **MAN 3025 Management of Organizations 4 hrs**
- **MAR 3023 Marketing 4 hrs**

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

### 7. Foreign Language Requirements

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

**Graduation**
- **None**

### 8. Electives

**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**

**Honors in Major**
- **None**
## UCF Degree Programs

### 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.

### 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
- ENC 1101: Composition I 3 hrs
- ENC 1102: Composition II 3 hrs
- MAC 1105C: College Algebra 3 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs

#### Freshman Year - Spring
- MAC 1105C: College Algebra 3 hrs
- ENC 2100C: Computer Fundamentals for Business 3 hrs
- ENC 1102: Composition II 3 hrs
- MAC 1105C: College Algebra 3 hrs

#### Sophomore Year - Fall
- ACG 2021: Principles of Financial Accounting 3 hrs
- ECO 2023: Principles of Microeconomics 3 hrs

#### Sophomore Year - Spring
- ACG 2071: Principles of Managerial Accounting 3 hrs
- ECO 2013: Principles of Macroeconomics 3 hrs
- ECO 3401: Quantitative Business Tools I 3 hrs

#### Junior Year - Fall
- BUL 3130: Legal and Ethical Environment of Business 4 hrs
- GEB 3031L: Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L: Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025: Management of Organizations 4 hrs
- MAR 3203: Supply Chain Management 4 hrs

#### Junior Year - Spring
- ECO 3411: Quantitative Business Tools II 4 hrs
- FIN 3403C: Business Finance 4 hrs
- MAR 3023: Marketing 4 hrs

#### Senior Year - Fall
- GEB 3375: Introduction to International Business 4 hrs

#### Senior Year - Spring
- ECP 4703: Managerial Economics 3 hrs
- MAN 4720: Strategic Management 4 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/alic/academic_learning_compacts.htm](http://www.oes.ucf.edu/alic/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Health Informatics and Information Management
#### (B.S.)

**College of Health and Public Affairs**

**Department of Health Management and Informatics, Health and Public Affairs II, Room: 210**

[http://www.cohpa.ucf.edu/hmi/bshim.cfm](http://www.cohpa.ucf.edu/hmi/bshim.cfm)

Dr. Alice M. Noblin, anoblin@mail.ucf.edu

407-823-2353

### Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring. Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and includes 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)**
   - A: Communication Foundations (37 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)

Suggested:
- MAC 1105C: College Algebra 3 hrs
- STA 2014C: Principles of Statistics 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

206 Undergraduate Catalog 2011-2012
4. Core Requirements: Advanced Level (66 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)

Suggested BSC 2010C Biology I 4 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.

1. See Transfer Notes

2. Common Program Prerequisites (CPP) (17 hrs)

D: Social Foundations (6 hrs)

3. Core Requirements: Basic Level

1 See Transfer Notes

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (66 hrs)

HSC 3147 Introduction to Pharmacology 3 hrs
HSA 3170 Health Care Finance 3 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSA 4191 Health Care Automation 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 4555 Pathophysiology I 3 hrs
HSC 4558 Pathophysiology II 3 hrs
HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
HIM 3116C Health Record Organization and Management 4 hrs
HIM 3806C Professional Practice Experience I 3 hrs
HIM 4181C Professional Practice Experience II 3 hrs
HIM 4228C Coding Procedures I 5 hrs
HIM 4256C Coding Procedures II 3 hrs
HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
HIM 4344C Health Information Department Management 4 hrs
HIM 4508C Quality Management 3 hrs
HIM 4656C Health Information Management Systems 3 hrs
HIM 4838 Management Affiliation 5 hrs
Select 1: 3 hrs
HSA 4180 Organization & Management for Health Agencies I or MAN 3025 Management of Organizations 3 hrs

5. Restricted Electives

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

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

Graduation

None

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Department Exit Requirements

A minimum 2.5 overall GPA is required for graduation.

Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors in Major

None

Related Programs

Health Services Administration
Business Administration
Computer Science

Certificates

None

Transfer Notes

Community College Equivalents:

Human Anatomy & Physiology I & II (BSC X085 and X086)
Financial Accounting (ACG 2021)
Managerial Accounting (ACG 2071)
Statistics (STA 2014C or any other statistics course)
Computer Science for Business (CGS 2100C)

Acceptable Substitutes for Transfer Courses

None

Plan of Study

Freshman Year - Fall

ENC 1101 Composition I 3 hrs
CHM 1032 General Chemistry 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
MAC 1105C College Algebra 3 hrs
Select 1: 3 hrs
PSY 2012 General Psychology or STA 2014C Principles of Statistics 3 hrs
SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring

16 hrs

ENC 1102 Composition II 3 hrs
STA 2014C Principles of Statistics 3 hrs
BSC 2010C Biology I 4 hrs
Select 1: 3 hrs
AMH 2210 American History: 1492-1877 3 hrs
HUM 2210 Humanistic Tradition I or ECO 2013 Principles of Macroeconomics 3 hrs

Sophomore Year - Fall

13 hrs

ZOO 3733C Human Anatomy 4 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ACG 2021 Principles of Financial Accounting 3 hrs
Select 1: 3 hrs
EUH 2000 Western Civilization I or AMH 2200 U.S. History: 1877-Present 3 hrs

Sophomore Year - Spring

13 hrs

ACG 2071 Principles of Managerial Accounting 3 hrs
PCB 3703C Human Physiology 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1: 3 hrs
ARH 2050 History of Western Art I or ARH 2051 History of Western Art II or MUL 2100 Enjoyment of Music or THE 2000 Theatre Survey 3 hrs

Accepted Effective Fall 2011
UCF Degree Programs

Junior Year - Fall 15 hrs

1 HSA 4191 Health Care Automation 3 hrs
1 HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
1 HSC 3537 Medical Terminology 3 hrs
HSC 4555 Pathophysiology 3 hrs

Select 1:
1 MAN 3025 Management of Organizations or 3 hrs
HSA 4180 Organization & Management for Health Agencies I 3 hrs

+ The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Senior Year - Summer 6 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs

Senior Year - Fall 13 hrs
HIM 4344C Health Information Department Management 4 hrs
HIM 4508C Quality Management 3 hrs
HIM 4566C Health Information Management Systems 3 hrs

Senior Year - Spring 12 hrs
HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
HIM 4816C Professional Practice Experience II 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSA 5170 Health Care Finance 3 hrs

+ The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/alc/academic_learning.compacts.htm

Equipment Fees
- Part-Time Student: $15.00 per term
- Full-Time Student: $30.00 per term

Health Sciences - Pre-Clinical Track (B.S.)
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 118
http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml
Dr. Suha Saleh, 407-823-2747

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences.

Admission Requirements
- None

Degree Requirements
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.
- Students must achieve at least 2.5 overall GPA for graduation.
- No transfer course will be accepted with a grade lower than a “C.”

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations
- Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

Select 1:
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations
- Required MAC 2311 Calculus I 4 hrs
- Required MAC 2312 Calculus II 4 hrs

Select 1:
- Required MAC 2313 Calculus III 4 hrs

D: Social Foundations
- Required PSY 2012 General Psychology 3 hrs

Select 1:
- Required ECO 2013 Principles of Macroeconomics 3 hrs
- Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- Required PHY 2053C College Physics I 4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)

Select 1:
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

Select 1:
- Required ECO 2023 Principles of Microeconomics or 3 hrs

Select 1:
- Required ECO 2013 Principles of Macroeconomics 3 hrs

3. Core Requirements: Basic Level (20 hrs)
1 CHM 2045C Chemistry Fundamentals I 4 hrs
1 CHM 2046 Chemistry Fundamentals II 3 hrs
1 CHM 2046L Chemistry Fundamentals Laboratory 1 hr
1 DEP 2004C Developmental Psychology 3 hrs
1 HUN 2002 Modern Concepts in Nutrition 3 hrs
1 PHY 2053C College Physics I 4 hrs
1 PHY 2054C College Physics II 4 hrs

Select 1:
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- Required HSA 4702 Health Sciences Research Methods 3 hrs
- Required HSC 4008 Professional Development in Health Professions 3 hrs

- Students must earn appropriate score on placement exam prior to enrolling in these classes.

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.

2 For freshman and sophomore students. The upper level HSC 4008 (3hrs) can be used as a substitution as needed during the junior or senior years.

4. Core Requirements: Advanced Level (29 hrs)

HSA 4702 Health Sciences Research Methods 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
HSC 3211 Preventive Health Care 3 hrs
HSC 4555 Pathophysiology I 3 hrs
5. Restricted Electives (30 hrs)

- Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives.
- Laboratory courses are required with selection of certain science classes.
- Students must meet restricted elective credit hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student's responsibility to check with graduate programs to meet prerequisites.
- Students are advised to check the Program's website for updated information and suggested electives for specific Health Professions

Graduate Programs:
- BCH 4053 Biochemistry I 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2205 Introduction to Organic and Biochemistry 3 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 3110 Medical Self Assessment 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 3559 Disabilities in American Society 3 hrs
- HSC 3593 HIV Disease: A Human Concern 3 hrs
- HSC 3432 Occupational Safety for the Health Care Professional 3 hrs
- HSC 4008 Professional Development for Health Professions 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- HSC 4572 Clinical Nutrition 3 hrs
- HSC 4730 Applied Health Research Methodology 3 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4503C Virology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3063L Genetics Laboratory 1 hr
- PCB 3233Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4805 Endocrinology 3 hrs
- ATR 3203C Upper Extremity Function and Measurement 3 hrs
- ATR 3204C Lower Extremity Function and Measurement 3 hrs
- ATR 3312C Injury, Management, and Rehabilitation 3 hrs
- PET 4606 Applied Fitness in Sport 3 hrs
- SYO 4400 Medical Sociology 3 hrs
- ZOO 3744 Neurobiology 3 hrs
- ZOO 4704C Clinical Neuroanatomy and Neuroscience 4 hrs
- ZOO 4753C Vertebrate Histology 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

- Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must achieve at least 2.5 overall GPA for graduation.
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
- Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences Pre-Clinical Track.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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

- Biology
- Athletic Training

Certificates

- None

Related Minors

- Business
- Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Science Education

Advising Notes

- Students should consult with a college advisor each semester.
- Students should consult a pre-professional advisor before making application to a graduate program.
- Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.

Transfer Notes

- Completion of 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, College Physics) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.
- Students who take Anatomy and Physiology at a Florida community college may be required to complete additional upper division credits in order to meet University graduation requirement of 48 credit hours of upper division (3000-4000) level credits.

Acceptable Substitutes for Transfer Courses

- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1020 and BSC 1020L).
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046C) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
### Plan of Study

#### Freshman Year - Fall (15 hrs)
- **BSC 2010C** Biology I \( \text{4 hrs} \)
- **MAC 1105C** College Algebra \( \text{3 hrs} \)
- **ENC 1101** Composition I \( \text{3 hrs} \)
- **SPC 1060** Fundamentals of Oral Communication \( \text{3 hrs} \)
- **HSC 2000** Introduction to the Allied Health Professions \( \text{2 hrs} \)

#### Freshman Year - Spring (16 hrs)
- **ENC 1102** Composition II \( \text{3 hrs} \)
- **PSY 2012** General Psychology \( \text{3 hrs} \)
- **CHM 2045C** Chemistry Fundamentals I \( \text{3 hrs} \)
- **Select 1:** 3 hrs
  - **STA 2014C** Principles of Statistics or
  - **STA 2023** Statistical Methods I \( \text{3 hrs} \)

#### Sophomore Year - Fall (14 hrs)
- **CHM 2046** Chemistry Fundamentals II \( \text{3 hrs} \)
- **CHM 2046L** Chemistry Fundamentals Laboratory \( \text{1 hr} \)
- **DEP 2004C** Developmental Psychology \( \text{3 hrs} \)
- **ZOO 3733C** Human Anatomy \( \text{4 hrs} \)
- **Select 1:** 3 hrs
  - **EUH 2000** Western Civilization I or
  - **AMH 2010** U.S. History: 1492-1877 or
  - **HUM 2210** Humanistic Tradition I \( \text{3 hrs} \)

#### Sophomore Year - Spring (16 hrs)
- **PCB 3703C** Human Physiology \( \text{4 hrs} \)
- **HUN 2002** Modern Concepts in Nutrition \( \text{3 hrs} \)
- **HSC 3147** Introduction to Pharmacology \( \text{3 hrs} \)
- **MAC 1114** College Trigonometry \( \text{3 hrs} \)
- **Select 1:** 3 hrs
  - **EUH 2001** Western Civilization II or
  - **HUM 2230** Humanistic Tradition II or
  - **AMH 2020** U.S. History: 1877-Present \( \text{3 hrs} \)

#### Junior Year - Fall (13 hrs)
- **PHY 2053C** College Physics I \( \text{4 hrs} \)
- **HSC 4555** Pathophysiology I \( \text{3 hrs} \)
- **Restricted Elective** \( \text{3 hrs} \)
- **Select 1:** 3 hrs
  - **ECO 2013** Principles of Macroeconomics or
  - **ECO 2023** Principles of Microeconomics \( \text{3 hrs} \)

#### Junior Year - Spring (16 hrs)
- **PHY 2054C** College Physics II \( \text{4 hrs} \)
- **HSA 4702** Health Sciences Research Methods \( \text{3 hrs} \)
- **HSC 4558** Pathophysiology II \( \text{3 hrs} \)
- **Restricted Elective** \( \text{3 hrs} \)
- **Restricted Elective** \( \text{3 hrs} \)

#### Senior Year - Fall (15 hrs)
- **HSC 3211** Preventive Health Care \( \text{3 hrs} \)
- **HSC 4652** Health Law and Ethics \( \text{3 hrs} \)
- **Restricted Elective** \( \text{3 hrs} \)
- **Restricted Elective** \( \text{3 hrs} \)
- **Restricted Elective** \( \text{3 hrs} \)

#### Senior Year - Spring (15 hrs)
- **HSC 4501** Epidemiology of Chronic Diseases \( \text{3 hrs} \)
- **Restricted Elective** \( \text{3 hrs} \)
- **Restricted Elective** \( \text{3 hrs} \)
- **Restricted Elective** \( \text{3 hrs} \)

### 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

### 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. Reid Oetjen, Undergraduate Program Director
Dr. Myron Fottler, Executive Director of HSA Programs
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 \( \text{3 hrs} \)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Suggested **MAC 1105C** College Algebra \( \text{3 hrs} \)
   - D: Social Foundations (6 hrs)
     - Suggested **ECO 2023** Principles of Microeconomics \( \text{3 hrs} \)
   - E: Science Foundations (6 hrs)
     - Suggested **CGS 2100C** Computer Fundamentals for Business \( \text{3 hrs} \)
   - 2. **Common Program Prerequisites (CPP)** (9 hrs)
     - Students must earn a “C” (2.0) or better in each Common Program Prerequisite
     - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
     - **ECO 2023** Principles of Microeconomics \( \text{GEP} \)
     - **ACG 2071** Principles of Managerial Accounting \( \text{3 hrs} \)
     - **ACG 2021** Principles of Financial Accounting \( \text{3 hrs} \)
     - **STA 2023** Statistical Methods I \( \text{3 hrs} \)
Select 1:
- CGS 2100C  Computer Fundamentals for Business or GEP
- CGS 1060C  Introduction to Computer Science or GEP

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (48 hrs)
- Students must earn a “C” (2.0) or better in each Core Requirement
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
- A variety of internship opportunities are available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.
- Students will be assigned a faculty member for the purpose of career advising.

Advising Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

**Freshman Year - Fall**
- ENC 1101  Composition I 3 hrs
- ENC 1102  Composition II 3 hrs
- MAC 1105C  College Algebra 3 hrs
- Free Elective 3 hrs

**Select 1:**
- General Psychology or 3 hrs
- Introduction to Sociology 3 hrs

**Freshman Year - Spring**
- ENC 1101  Composition I 3 hrs
- ENC 1102  Composition II 3 hrs
- SPC 1608  Fundamentals of Oral Communication 3 hrs

**Select 1:**
- Physical Science or 3 hrs
- Concepts in Chemistry 3 hrs

**Select 1:**
- Enjoyment of Music or 3 hrs
- Theatre Survey or 3 hrs
- World Religions or 3 hrs
- Introduction to Philosophy 3 hrs

**Sophomore Year - Fall**
- ECO 2023  Principles of Microeconomics 3 hrs
- BSC 1005  Biological Principles 3 hrs
- CGS 2100C  Computer Fundamentals for Business 3 hrs
- ACG 2021  Principles of Financial Accounting 3 hrs

**Select 1:**
- Western Civilization I or 3 hrs
- Humanistic Tradition I or 3 hrs
- U.S. History: 1492-1877 or 3 hrs
- World Civilization I 3 hrs

**Sophomore Year - Spring**
- ACG 2071  Principles of Managerial Accounting 3 hrs
- STA 2023  Statistical Methods I 3 hrs
- Selective / Minor 3 hrs

**Select 1:**
- Foreign Language 4 hrs

**Select 1:**
- Foreign Language 4 hrs

**Sophomore Year - Summer**
- 3 hrs
- Elective / Minor 3 hrs

**Junior Year - Fall**
- U.S. Health Care Systems 3 hrs
- Medical Terminology 3 hrs
- Community Health 3 hrs
- Long Term Care and Administration 3 hrs
- Elective / Minor 3 hrs
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
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 at the UCF History Department.

Students must compile a portfolio of 8-12 examples of graded, written work from within the UCF History Department.

Students must complete two years of a foreign language, preferably one functional in their area of historical interest.

Students who change degree programs and select this major must adopt the most current catalog.

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.

Electives

Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

Maintain a minimum GPA of 2.0 in upper division required courses attempted.

Submit a portfolio during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.

Computer competency met by completion of the major.

Students must complete at least 18 of the required 36 History credit hours at UCF.

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in 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

Humanities

Certificates

None

Related Minors

African American Studies

Asian Studies

Humanities

Judaic Studies

Latin American Area Studies
## Hospitality Management (B.S.)

**Rosen College of Hospitality Management**  
**Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819**  
[http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)  
**E-mail:** hospitality@mail.ucf.edu

*Dr. Fevi Okumus, Department Chair*  
*Dr. Abraham Pizam, Dean*  
*407-903-8000*

### Admission Requirements
- None

### Degree Requirements
- None

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

##### A: Communication Foundations  
9 hrs

- Required: MAC 1105C College Algebra  
  3 hrs

##### B: Cultural & Historical Foundations  
9 hrs

- Required: STA 2023 Statistical Methods I  
  3 hrs

##### C: Mathematical Foundations  
6 hrs

- Required: CGS 2100C Computer Fundamentals for Business  
  3 hrs

##### D: Social Foundations  
6 hrs

- Required: ECO 2013 Principles of Macroeconomics  
  3 hrs

##### Select 1:  
3 hrs

- Required: ECO 2023 Principles of Microeconomics  
  3 hrs

##### Select 1:  
3 hrs

- Required: PSY 2012 General Psychology  
  3 hrs

- Required: SYG 2000 Introduction to Sociology  
  3 hrs

- Required: ANT 2000 General Anthropology  
  3 hrs

##### E: Science Foundations  
6 hrs

- Required: STA 2023 Statistical Methods I  
  3 hrs

##### 2. Common Program Prerequisites (CPP)  
3 hrs

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### HFT 1000 Introduction to the Hospitality and Tourism Industry  
3 hrs

#### 3. Core Requirements: Basic Level  
34 hrs

- Hospitality Management Core  
  34 hrs

- FSS 2211C Techniques of Food Preparation  
  4 hrs

- HFT 3540 Guest Services Management I  
  3 hrs

- HFT 2401 Hospitality Industry Financial Accounting  
  3 hrs

- HFT 3431 Hospitality Industry Managerial Accounting  
  3 hrs

- HFT 2500 Hospitality and Tourism Marketing  
  3 hrs

- HFT 2220 Hospitality Human Resources Management  
  3 hrs

- HFT 3444 Hospitality Information Systems  
  3 hrs

- HFT 3603 Legal Environment in the Hospitality and Tourism Industry  
  3 hrs

- HFT 4464 Hospitality Industry Finance  
  3 hrs

- HFT 4286 Hospitality Communications  
  3 hrs

- HFT 4295 Leadership and Strategic Management in Hospitality Industry  
  3 hrs

#### Quantitative Tools  
GEP

- Required: CGS 2100C Computer Fundamentals for Business  
  3 hrs

- STA 2023 Statistical Methods I  
  3 hrs

- Required: MAC 1105C College Algebra  
  3 hrs

- Required: ECO 2013 Principles of Macroeconomics  
  3 hrs

- ECO 2023 Principles of Microeconomics  
  3 hrs

#### 4. Core Requirements: Advanced Level  
21 hrs

- Sectoral Core (Choose 6 of the Following 7)  
  18 hrs

- HFT 2254 Lodging Operations  
  3 hrs

- HFT 3700 Tourism Management  
  3 hrs

- HFT 2750 The Event Industry  
  3 hrs

- HFT 3263 Restaurant Management  
  3 hrs

- HFT 3273 Principles of Resort Timesharing  
  3 hrs

- HFT 4755 Theme Park and Adventure Management  
  3 hrs

- HFT 4277 Yacht, Country, And City Club  
  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)
5. Restricted Electives (15 hrs)

- Students must take 15 credit hours (five courses) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FSS 3015</td>
<td>Corporate Contract and Managed Services Organizations</td>
<td>3 hrs</td>
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<tr>
<td>FSS 4286C</td>
<td>Catering and Banquet Organization</td>
<td>3 hrs</td>
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<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3353</td>
<td>Golf Planning &amp; Operations I</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Management</td>
<td>3 hrs</td>
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<td>Golf Planning &amp; Operations II</td>
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<tr>
<td>HFT 3357</td>
<td>Golf &amp; Club Event Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3358</td>
<td>Golf and Club Enterprises Management</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3359</td>
<td>Franchising in the Restaurant Industry</td>
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<tr>
<td>HFT 3374</td>
<td>Meeting Management</td>
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<tr>
<td>HFT 3378</td>
<td>Fairs and Festivals</td>
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<tr>
<td>HFT 3379</td>
<td>History and Culture of Wine</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4253</td>
<td>Hotel Operations</td>
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<tr>
<td>HFT 4266</td>
<td>Restaurant Brand Management</td>
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<td>HFT 4268</td>
<td>Case Studies in Restaurant Management</td>
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<td>HFT 4274</td>
<td>Resort Management</td>
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<tr>
<td>HFT 4281</td>
<td>Restaurant Leadership Strategies and Tactics</td>
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<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning and Design</td>
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<tr>
<td>HFT 4358</td>
<td>Golf &amp; Club Facility Design</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4432</td>
<td>Hospitality Industry Auditing</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4522</td>
<td>Resort Sales Tactics and Strategies</td>
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<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4561</td>
<td>Destination Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4735</td>
<td>Tourism Geography</td>
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<tr>
<td>HFT 4736</td>
<td>Destination Management</td>
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<tr>
<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations</td>
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<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions</td>
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<tr>
<td>HFT 4762</td>
<td>Current Practices in the Airline Industry</td>
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<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4864</td>
<td>Seminar in Quality Brewing and Fine Beer</td>
<td>3 hrs</td>
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<td>HFT 4868C</td>
<td>Exploring Wines of the World</td>
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<tr>
<td>HFT 4894</td>
<td>International Gastronomy</td>
<td>3 hrs</td>
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<tr>
<td>HUN 3013</td>
<td>Nutrition Concepts and Issues in the Food Service Industry</td>
<td>3 hrs</td>
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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.

<table>
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<td>3 hrs</td>
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<tr>
<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions or</td>
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<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions or</td>
<td>3 hrs</td>
</tr>
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<td>Managing the Guest Experience in the Theme Park and Attraction Industry or</td>
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<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3 hrs</td>
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Golf and Club Management Track 15 hrs

- Students must take 15 credit hours (five courses) from the following:

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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3353</td>
<td>Golf Planning &amp; Operations I</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Management</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3355</td>
<td>Golf Planning &amp; Operations II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>Golf &amp; Club Event Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3384</td>
<td>Golf and Club Enterprises Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4358</td>
<td>Golf &amp; Club Facility Design</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

6. Capstone Requirements

- None

7. Foreign Language Requirements

- 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 12 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

**Select 2:**

- PSY 2012 General Psychology or 3 hrs
Freshman Year - Spring 
15 hrs
SYG 2000 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology 3 hrs

Sophomore Year - Fall 
15 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
AST 2002 Astronomy 3 hrs

Junior Year - Fall 
14 hrs
HFT 3460 Guest Services Management I 3 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
ANT 2511 The Human Species 3 hrs

Junior Year - Spring 
16 hrs
HFT 4941 Internship 1 hr

Senior Year - Fall 
15 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4944 Practicum 1 hr

Senior Year - Spring 
15 hrs
HFT 4295 Leadership and Strategic Management in the Hospitality Industry 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

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Humanities (B.A.)

College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu

Dr. Doug Evans
407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.

UCF Degree Programs

- 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:
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- Prefer 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

1  (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (6 hrs)
  - HUM 2210 Humanistic Tradition I GEP 3 hrs
  - HUM 2230 Humanistic Tradition II GEP 3 hrs
  - HUM 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
ARB 4150 Italian Renaissance Art 3 hrs
ARB 4170 Greek & Roman Art 3 hrs
HUM 3552 Christian Thought or 3 hrs
REL 3553 Moses, Jesus and Muhammad or 3 hrs
CLT 3370 Classical Mythology or 3 hrs
CLT 3378 Comparative Mythology or 3 hrs
JST 3401 Jewish People in Antiquity or 3 hrs
REL 3432 Roots of Western Mysticism or 3 hrs
  - PHI 3100 Ancient Philosophy or 3 hrs
  - PHI 3200 Medieval Philosophy or 3 hrs
  - PHI 3460 Modern Western Philosophy 3 hrs

World Intellectual Traditions 6 hrs
ANT 3245 Native American Religions or 3 hrs
HUM 3401 Asian Humanities or 3 hrs
HUM 3417 Hindu Thought and Culture or 3 hrs
HUM 3419 Islamic Thought and Culture or 3 hrs
HUM 3460 Latin American Humanities or 3 hrs
HUM 4303 The Spiritual Ideal or 3 hrs
HUM 4554 Religious Quest and Human Dilemma or 3 hrs
PHI 3790 African Philosophy or 3 hrs
PHP 3781 African-American Philosophy or 3 hrs
REL 3340 Buddhist Thought or 3 hrs

Foundations 3 hrs
HUM 4301 The Classical Ideal or 3 hrs

Select 2: 6 hrs
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities or 3 hrs
- HUM 3255 Modern Humanities 3 hrs

1  Only one of these courses may be taken.
Multicultural Humanities 24 hrs

Traditions and Applications 15 hrs
- ANT 3311 Indians of the Southeastern United States 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
- REL 3353 Moses, Jesus and Muhammad or 3 hrs
- HUM 3460 Latin American Humanities or 3 hrs
- JST 3401 Jewish People in Antiquity or 3 hrs
- PHH 3701 Native American Philosophy or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHI 3790 African Philosophy 3 hrs

Foundations
- 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
- HUM 3255 Modern Humanities and 3 hrs
- HUM 3252 Contemporary Humanities and 3 hrs
- PHI 4804 Critical Theory 3 hrs

Traditions and Applications 15 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- HUM 3394 Representations of Place and Space or 3 hrs
- PHH 3510 Marx and Nietzsche or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHP 3786 Existentialist 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 4970H Undergraduate Honors Thesis 3 hrs
- HUM 4933 Senior Research Seminar 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 (33 hrs)
- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

Honors Thesis
- HUM 4903H Honors Directed Reading I 3 hrs
- HUM 4970H Undergraduate Honors Thesis 3 hrs

Additional Requirements
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a “B” (3.0) or better in both of the following:
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

Core and Elective Requirements 33 hrs
- Same requirements as for regular majors.

Related Programs
- Religious Studies
- Philosophy
- Humanities - Philosophy, Religion, & Popular Culture Track

Certificates
- None

Related Minors
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- HUM 2020 Encountering the Humanities 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
### Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)

**College of Arts and Humanities**

**Department of Philosophy, Psychology Building, Room: 220**


**E-mail:** philosophy@mail.ucf.edu

Dr. Doug Evans, dkevans@mail.ucf.edu, 407-823-2273

Dr. Shelley Park (Cocoa Campus), spark@mail.ucf.edu, 321-433-7919

### 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.

### Core Requirements

- **4. Core Requirements: Advanced Level (18 hrs)**

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

  [http://www.oceas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oceas.ucf.edu/aic/academic_learning_compacts.htm)

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</tr>
<tr>
<td>Select 1:</td>
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<td>Suggested REL 2300 World Religions</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>Suggested PHI 2010 Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Theoretical Foundations

- PHI 3684 Ways of Living and | 3 hrs |
- PHI 4341 Ways of Knowing | 3 hrs |

### Philosophy

- PHI 3670 Ethical Theory or | 3 hrs |
- PHI 3700 Philosophy of Religion or | 3 hrs |
- PHI 3800 Aesthetics or | 3 hrs |
- PHI 3900 Freedom and Justice or | 3 hrs |
- PHI 3720 Faith and Reason or | 3 hrs |
- PHP 3786 Existentialism or | 3 hrs |
- PHI 4804 Critical Theory or | 3 hrs |
- PHI 4300 Theories of Knowledge or | 3 hrs |
- PHI 2108 Critical Thinking | 3 hrs |

### Religion

- CLT 3378 Comparative Mythology or | 3 hrs |
- HUM 3352 Christian Thought or | 3 hrs |
- REL 3553 Moses, Jesus and Muhammad or | 3 hrs |
- HUM 3417 Hindu Thought and Culture or | 3 hrs |
- HUM 3419 Islamic Thought and Culture or | 3 hrs |
- HUM 4303 The Spiritual Ideal or | 3 hrs |
- HUM 4554 Religious Quest and Human Dilemma or | 3 hrs |
- PHI 3750 The Problem of Evil | 3 hrs |

### Popular Culture Studies

- 12 hrs |

### Contemporary Media

- HUM 3320 Contemporary Multicultural Studies or | 3 hrs |
- HUM 4556 Religion and the Arts or | 3 hrs |
- HUM 4330 Performance Theory or | 3 hrs |
- PHI 3625 Virtual Ethics or | 3 hrs |
- PHI 4931 Philosophy in the News or | 3 hrs |
- POS 3235 Mass Media and Politics or | 3 hrs |
- POS 3258 Politics in Film or | 3 hrs |
- REL 3115 Religion, Spirituality, and Popular Music or | 3 hrs |
- REL 3111 Religion and Philosophy Through Film or | 3 hrs |
- SYP 3630 Popular Culture in Society | 3 hrs |

### Contemporary Forms of Life

- HUM 3320 Contemporary Multicultural Studies or | 3 hrs |
- HUM 4556 Religion and the Arts or | 3 hrs |
- HUM 4330 Performance Theory or | 3 hrs |
- PHI 3625 Virtual Ethics or | 3 hrs |
- PHI 3633 Philosophy of Friendship or | 3 hrs |
- PHI 3629 Personality and Culture | 3 hrs |
- PHI 3631 Philosophy of Love or | 3 hrs |
- PHI 3123 Feminist Theories or | 3 hrs |
UCF Degree Programs

PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
REL 3131 Religion in America 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements (3 hrs)
HUM 4933 Senior Research Seminar 3 hrs

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.
- Additional Requirements
  - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

8. Electives
- None

9. Additional Requirements
- Core Requirements, Popular Culture and Capstone 33 hrs
  - Same requirements as for regular majors
b. Honors Thesis 6 hrs
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs
c. Additional Requirements of Honors in the Major
  - Application and admission through the Humanities Honors Coordinator
  - Fulfill University requirements for Honors in the Major
  - Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
  - Successful completion and oral defense of Honors thesis
  - No more than 2 courses (i.e., 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities: Philosophy, Religion & Popular Culture may be simultaneously applied to fulfill another major.
  - Earn a "B" (3.0) or better in both of the following:
    - HUM 4903H Honors Directed Reading I 3 hrs
    - HUM 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- Humanities
- Philosophy
- Religious Studies

Certificates
- None

Related Minors
- Humanities
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts

Industrial Engineering (B.S.I.E.)
College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312

http://www.iems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu
407-823-2204

Admission Requirements
- None

Degree Requirements
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is maintained.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3023 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Prefer ECO 2013 Principles of Macroeconomics 3 hrs
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select one class from Social Foundations Group 2 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

218 Undergraduate Catalog 2011-2012
### Course 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Core Requirements: Advanced Level (59 hrs)

#### Courses Required for the Major (59 hrs)

- The Industrial Engineering and Management Systems department requires all students within the major to achieve a "C" (2.0) GPA or better in all courses in this section with a prefix of EIN, ESI and STA.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select one class from the following:

- CHS 1440 Fundamentals of Chemistry for Engineers | 4 hrs
- CHM 2045C Chemistry Fundamentals I | 4 hrs
- A 2.0 cumulative GPA or better is required for this course.

### Core Requirements: Advanced Level (59 hrs)

#### Select 1:

- Select one from the following:
  - COP 3223 Introduction to Programming with C | 3 hrs
  - ENC 1101 Composition I | 3 hrs
  - MAC 2311 Calculus with Analytic Geometry I | 4 hrs
  - MCS 1440 Fundamentals of Mathematics I | 3 hrs

### Electives (4 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 approved technical electives and the terms when specific courses of this type are to be offered.

### Restricted Electives (4 hrs)

- Courses with significant programming content in C, C++, or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

### 11. Departmental Exit Requirements (6 hrs)

- EIN 4516C Systems Analysis and Design | 3 hrs
- EIN 4891C Industrial Engineering Senior Design | 3 hrs
- Project

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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

### Notes

- 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. Restricted Electives.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year - Fall</td>
<td>12 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>EGN 1006C</td>
<td>Introduction to the Engineering Profession</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
</tr>
<tr>
<td>CHS 1440</td>
<td>Fundamentals of Chemistry for Engineers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year - Spring</td>
<td>12 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year - Summer</td>
<td>6 hrs</td>
</tr>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Fall 14 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
EIN 3001 Introduction to Industrial Engineering and Management Systems 3 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
MAP 2302 Differential Equations 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EIN 4517 Systems Engineering 3 hrs
EIN 4243C Human Engineering or 3 hrs

Junior Year - Summer 8 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
GEP 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs

Junior Year - Fall 15 hrs
EIN 3314 Work Analysis and Design 3 hrs
EIN 4391 Manufacturing Engineering 3 hrs
EIN 3354 Principles of Cost Engineering 3 hrs
ESI 4312 Operations Research 3 hrs
ESI 4628C Industrial Engineering Applications of Computers 3 hrs

Junior Year - Spring 15 hrs
EIN 4364 Facilities Planning 3 hrs
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
ESI 4523C Systems Simulation 3 hrs
EIN 4333 Production and Distribution Systems 3 hrs

Select 1: 3 hrs
SPC 1608 Fundamentals of Oral Communication or 3 hrs
SPC 1603 Fundamentals of Technical Presentations 3 hrs

Senior Year - Fall 13 hrs
EIN 4516C Systems Analysis and Design 3 hrs
ESI 4234 Quality Engineering 3 hrs
Restricted Elective 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
EGN 4624 Engineering Administration 3 hrs

Senior Year - Spring 12 hrs
EIN 4891C Industrial Engineering Senior Design or 3 hrs
Project
Restricted Elective 3 hrs
GEP 3 hrs
GEP 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Information Technology (B.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu/
E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
Julie Faris
407-823-3327

Admission Requirements
- None

Degree Requirements
- "C" (2.0) or better required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.
- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.

1. UCF General Education Program (GEP) (37 hrs)
A: Communication Foundations (9 hrs)
Required
ENC 1101 Composition I 3 hrs
Required
ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
Prefer SPC 1603 Fundamentals of Technical Presentations or 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Required
STA 2023 Statistical Methods I 3 hrs
Select 1: 3 hrs
Suggested
MAC 1105C College Algebra or 3 hrs
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.

MAC 1114 College Trigonometry 3 hrs
ECO 2013 Principles of Macroeconomics GEP
PSY 2012 General Psychology GEP
PHY 2053C College Physics I GEP
COP 3233 Introduction to Programming with C 3 hrs
COP 3330 Object Oriented Programming 3 hrs
CGS 2545C Database Concepts 3 hrs
STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
MAD 2104 Foundations of Discrete Math or 3 hrs
COT 3100C Introduction to Discrete Structures 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (51 hrs)
- A "C" (2.0) or better is required in all these courses.

Core Requirements (45 hrs)
COP 3500C Computer Science I 3 hrs
CIS 3360 Security in Computing 3 hrs
CAP 4104 Human and Technology Interaction 3 hrs
EEL 3041 Circuit Analysis 3 hrs
CGS 3269 Computer Architecture Concepts 3 hrs
CNT 3004 Computer Network Concepts 3 hrs
CIS 3033 Fundamentals of Information Technology 3 hrs
CIS 4313 Managing IT Integration 3 hrs
CNT 4714 Enterprise Computing 3 hrs
CIS 4004 Web-Based Information Technology 3 hrs
COP 4910  Frontiers in Information Technology  3 hrs
PHI 3626  Advanced Ethics in Science and Technology  3 hrs
CGS 3763  Operating System Concepts  3 hrs
CNT 4603  System Administration and Maintenance  3 hrs

Support Courses  6 hrs

- A “C” (2.0) or better is required in all these courses.

Select 1:  3 hrs
ENC 4293  Documentation and the Collaborative Process or
ENC 4265  Writing for the Computer Industry or
ENC 4414  Writing and Hypertext or
ENC 4415  Digital Rhetorics and The Modern Dialectic

Select 1:  3 hrs
ENC 3241  Writing for the Technical Professional or
ENC 3211  Theory and Practice of Technical Writing or
ENC 3250  Professional Writing

5. Restricted Electives  (6 hrs)
- Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs.
- A “C” (2.0) or better is required in all these courses.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- None
Graduation
- None

8. Electives
- Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Complete an exit interview with an assigned faculty advisor
- Computer competency met by completion of major

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science

Certificates
- None

Related Minors
- Computer Science
- Interdisciplinary Informatics Technology
- Secure Computing and Networks

Advising Notes
- None

Transfer Notes
- Grades below “C” (2.0) are not accepted
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Courses taken at community colleges do not substitute for Upper Division courses

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 12 hrs
ENC 1101  Composition I  3 hrs
SPC 1603  Fundamentals of Technical Presentations  3 hrs
COP 3223  Introduction to Programming with C  3 hrs

Select 1:  3 hrs
MAC 1105C  College Algebra or
MAC 1140  Pre-Calculus Algebra

Freshman Year - Spring 15 hrs
ENC 1102  Composition II  3 hrs
MAC 1114  College Trigonometry  3 hrs
COP 3502C  Computer Science I  3 hrs
ECO 2013  Principles of Macroeconomics  3 hrs
PSY 2012  General Psychology

Sophomore Year - Fall 16 hrs
MAD 2104  Foundations of Discrete Math  3 hrs
COP 3330  Object Oriented Programming  3 hrs
PHY 2053C  College Physics I  4 hrs
CIS 3003  Fundamentals of Information Technology  3 hrs
GEP

Sophomore Year - Spring 15 hrs
CGS 3269  Computer Architecture Concepts  3 hrs
STA 2023  Statistical Methods I  3 hrs
CGS 2545C  Database Concepts  3 hrs
GEP

Junior Year - Fall 15 hrs
CAP 4104  Human and Technology Interaction  3 hrs
EEL 3041  Circuit Analysis  3 hrs
CNT 3004  Computer Network Concepts  3 hrs
CIS 3360  Security in Computing  3 hrs

Select 1:  3 hrs
ENC 3241  Writing for the Technical Professional or
ENC 3211  Theory and Practice of Technical Writing or
ENC 3250  Professional Writing

Junior Year - Spring 15 hrs
CIS 4313  Managing IT Integration  3 hrs
PHI 3626  Advanced Ethics in Science and Technology  3 hrs
GEP

Senior Year - Fall 15 hrs
CNT 4703C  Design and Implementation of Computer Communication Networks  3 hrs
CIS 4004  Web-Based Information Technology  3 hrs
CIS 4293  Web-Based Information Technology  3 hrs
Free Elective  3 hrs
CNT 4603  System Administration and Maintenance  3 hrs

Senior Year - Spring 14 hrs
Restrictive Elective  3 hrs
Free Elective  3 hrs
COP 4910  Frontiers in Information Technology  3 hrs
CNT 4714  Enterprise Computing  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
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
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)
   - None

3. Core Requirements: Basic Level (6 hrs)
   IDS 3933 Cornerstone Experience 3 hrs
   IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level
   - None

5. Restricted Electives (30 hrs)
   - Students must complete two different subject area concentrations from among those specified below.
   - Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.
   - Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.

- See the Interdisciplinary Studies Advising Team for details regarding each area:
  - Arts
  - Behavioral and Social Sciences
  - Commerce
  - Communication
  - Computational Sciences
  - Education
  - Engineering
  - Health
  - Humanities
  - Letters and Modern Languages
  - Physical Sciences
  - Life/Biomedical Sciences
  - Public Affairs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - BA: Met by graduation requirement.
     - BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
     - Note: Students entering without having met the admission requirements must do so in order to graduate.
   - Graduation
     - BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
     - BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.
   - 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
### 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

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.

<table>
<thead>
<tr>
<th>UCF Degree Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. UCF General Education Program (GEP)</strong> (36 hrs)</td>
</tr>
<tr>
<td><strong>A: Communication Foundations</strong> (9 hrs)</td>
</tr>
<tr>
<td><strong>B: Cultural &amp; Historical Foundations</strong> (9 hrs)</td>
</tr>
<tr>
<td><strong>C: Mathematical Foundations</strong> (6 hrs)</td>
</tr>
<tr>
<td>1 Required MAC 1105C College Algebra 3 hrs</td>
</tr>
<tr>
<td>Required STA 2023 Statistical Methods I 3 hrs</td>
</tr>
<tr>
<td>1 may take a higher level math</td>
</tr>
<tr>
<td><strong>D: Social Foundations</strong> (6 hrs)</td>
</tr>
<tr>
<td>Required SYG 2000 Introduction to Sociology 3 hrs</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
</tr>
<tr>
<td>Required ECO 2013 Principles of Macroeconomics 3 hrs</td>
</tr>
<tr>
<td>or Required ECO 2023 Principles of Microeconomics 3 hrs</td>
</tr>
</tbody>
</table>

| **2. Science Foundations** (8 hrs) |
| Required BSC 2010C Biology I 4 hrs |  
| Required CHM 2045C Chemistry Fundamentals I 4 hrs |  

| **3. Core Program Prerequisites (CPP)** |
| **E: Science Foundations** (11 hrs) |
| **Physical/Mathematical Sciences** |
| CHM 2045C Chemistry Fundamentals I GEP |  
| MAC 1105C College Algebra GEP |  
| PSC 1121 Physical Science 3 hrs |  
| STA 2023 Statistical Methods I GEP |  
| **Life Sciences** |
| BSC 2010C Biology I GEP |  
| BSC 2011C Biology II 4 hrs |  
| PCB 3044 Principles of Ecology 3 hrs |  
| PCB 3044L Principles of Ecology Laboratory 1 hr |  
| **Social Science & Humanities** |
| SYG 2000 Introduction to Sociology GEP |  
| **Select 1:** |  
| ECO 2013 Principles of Macroeconomics or GEP |  
| ECO 2023 Principles of Microeconomics |  

| **4. Core Requirements: Advanced Level** (19 hrs) |
| **Environmental Studies Fundamentals** |
| IDS 3150 Foundations of Environmental Studies 3 hrs |  
| ECP 3302 Economics and the Environment 3 hrs |  
| GIS 3043C GIS for Environmental Studies 3 hrs |  
| GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs |  
| PUP 3203 Environmental Politics 3 hrs |  
| SYD 4510 Environment and Society 3 hrs |  

| **5. Restricted Electives** (18 hrs) |
| Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed. |
| Select eighteen hours in one concentration. |

**Science Concentration**

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

| Environmental Studies track majors. |
| BCH 4053 Biochemistry I 3 hrs |  
| BCH 4054 Biochemistry II 3 hrs |  
| BOT 3152C Local Flora 3 hrs |  
| BOT 3802 Ethnobotany 3 hrs |  
| BOT 4156C Florida Wildflowers 4 hrs |  
| BOT 4303C Plant Kingdom 4 hrs |  
| BOT 4686C Conservation and Management of Native Plants 4 hrs |  
| BOT 4713C Plant Taxonomy 5 hrs |  
| BSC 4312C Marine Biology 4 hrs |  
| CHM 3120 Analytical Chemistry 3 hrs |  
| OCE 3008 Oceanography 3 hrs |  
| PCB 3063 Genetics 3 hrs |  
| PCB 3304C River Ecology 4 hrs |  
| PCB 3442 Aquatic Ecology 3 hrs |  
| PCB 4302C Phylochemical Limnology 4 hrs |  
| PCB 4683 Evolutionary Biology 4 hrs |  
| PCB 4723 Animal Physiology 4 hrs |  
| PCB 5045 Conservation Biology 4 hrs |  
| PCB 5326C Ecosystems of Florida 5 hrs |  
| PCB 3314 Marine Bio Diversity 3 hrs |  
| PCB 4303C Biological Limnology 4 hrs |  

**Values, Planning, & Policy Concentration**

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

| Environmental Studies track majors. |
| ANT 3541 Biobehavioral Anthropology 3 hrs |  
| BOT 3602 Ethnobotany 3 hrs |  
| ECP 4303 Environmental and Natural Resource Economics |  
| 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 |
Interdisciplinary Studies - Women’s Studies Track
(B.A.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom 1, Room: 302
Program in Women’s Studies, Colburn Hall, Room: 411
http://www.is.ucf.edu
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

Interdisciplinary Studies - Women’s Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women’s Studies Program in the College of Arts and Humanities.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must have declared an Interdisciplinary Studies major - Women’s Studies track at least one semester before graduation.
■ Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
■ Co op credit cannot be used in this track.
■ Students must earn at least a “C” (2.0) in each restricted elective course.
■ Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
■ Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
■ Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) ■ None

3. Core Requirements: Basic Level ■ None

4. Core Requirements: Advanced Level ■ None

5. Restricted Electives (36 hrs)
■ Students must complete either the Womanist/Women of Color subject area or the Women’s Studies Cognate subject area to satisfy the First Study Area.
■ Students must complete one subject area from those specified in the Second Study Area below.
■ Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
■ Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

First Study Area - Womanist/Women of Color Area 18 hrs
■ Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area
WST 3460 Women, Race and Struggle 3 hrs

Select 5:
AML 3614 Topics in African-American Literature or 3 hrs
ANT 4308 Gender Issues in Latin America or 3 hrs
ASH 4304 Women in China or 3 hrs
1. Departmental Exit Requirements

A grade of ‘C’ or above (2.0) is required for each course taken in Women’s Studies. Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women’s Studies Director, some courses may substitute.

2. Required Minors

None

3. Additional Requirements

None

4. Electives

Select 6: 18 hrs

- Other courses may be utilized for this area with the permission of the director.
- Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women’s Studies Director, some courses may substitute.

5. 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.

6. Capstone Requirements

- None

7. Honors In Major

- None

8. Related Programs

- Interdisciplinary Studies

9. Certificates

- None

10. Related Minors

- Most UCF minors

11. Advising Notes

- None

12. 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.)

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
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/degree policy in Political Science programs and minors:

- Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:
  - POS 2041 American National Government 3 hrs
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. UCF General Education Program (GEP)</strong></td>
<td>36 hrs</td>
</tr>
<tr>
<td><strong>A: Communication Foundations</strong></td>
<td>9 hrs</td>
</tr>
<tr>
<td><strong>B: Cultural &amp; Historical Foundations</strong></td>
<td>9 hrs</td>
</tr>
<tr>
<td>Prefer WOH 2012 World Civilization I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer WOH 2022 World Civilization II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required One course from GEP B.2 list</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>C: Mathematical Foundations</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>Math:</td>
<td></td>
</tr>
<tr>
<td>Prefer MGF 1106 Finite Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer MGF 1107 Explorations in Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>May substitute a higher level math with appropriate scores on the Math Placement Exam.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Statistics:</td>
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</tr>
<tr>
<td>Prefer STA 2014C Principles of Statistics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel or</td>
<td>3 hrs</td>
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<tr>
<td>May substitute a more advanced STA course.</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>D: Social Foundations</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>Prefer POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required One course from GEP D.2 list</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>E: Science Foundations</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td><strong>2. Common Program Prerequisites (CPP)</strong></td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
<tr>
<td><strong>3. Core Requirements: Basic Level</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>INR 2002 International Relations-Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
<td>GEP</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
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</tr>
<tr>
<td><strong>4. Core Requirements: Advanced Level</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>GEO 3471 World Political Geography</td>
<td>3 hrs</td>
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<tr>
<td>IDS 4515 Global Perspectives</td>
<td>3 hrs</td>
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<tr>
<td>CPO 3103 Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3703 Scope and Methods of Political Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4603 International Relations Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>5. Restricted Electives</strong></td>
<td>18 hrs</td>
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<tr>
<td>Note: Students must meet all prerequisites before taking these classes.</td>
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<tr>
<td>Other courses may be substituted with the chair’s approval.</td>
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<tr>
<td>Regional</td>
<td>9 hrs</td>
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<tr>
<td>Select from the following listing:</td>
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<tr>
<td>CPO 3034 Politics of Developing Areas</td>
<td>3 hrs</td>
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<tr>
<td>CPO 3104 Politics of Western Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3403 Politics of the Middle East</td>
<td>3 hrs</td>
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<tr>
<td>CPO 3614 Politics of Eastern Europe</td>
<td>3 hrs</td>
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<tr>
<td>CPO 4062 Comparative Judicial Process</td>
<td>3 hrs</td>
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<tr>
<td>CPO 4074 Political Economy</td>
<td>3 hrs</td>
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<tr>
<td>CPO 4101 Politics of the European Union</td>
<td>3 hrs</td>
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<tr>
<td>CPO 4123 Government and Politics of Great Britain</td>
<td>3 hrs</td>
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<tr>
<td>CPO 4303 Comparative Latin American Politics</td>
<td>3 hrs</td>
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<tr>
<td>CPO 4553 Politics of Japan</td>
<td>3 hrs</td>
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<tr>
<td>CPO 4643 Government and Politics of Russia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4710 Women in Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 5334 Contemporary Politics of the Mayan Region</td>
<td>3 hrs</td>
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<tr>
<td>POS 3253 Contemporary Revolution and Political Violence</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4514 Politics of East Asia</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Functional</strong></td>
<td>9 hrs</td>
</tr>
<tr>
<td>Select from the following listing:</td>
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<tr>
<td>INR 3253 International Politics of Africa</td>
<td>3 hrs</td>
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<tr>
<td>INR 4030 Diplomacy</td>
<td>3 hrs</td>
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<tr>
<td>INR 4350 Global Environmental Politics</td>
<td>3 hrs</td>
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<tr>
<td>INR 4054 Global Politics of Energy</td>
<td>3 hrs</td>
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<tr>
<td>INR 4074 Immigration Policy</td>
<td>3 hrs</td>
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<tr>
<td>INR 4075 Human Rights Policy</td>
<td>3 hrs</td>
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<tr>
<td>INR 4076 Global Drug Policy</td>
<td>3 hrs</td>
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<tr>
<td>INR 4304 Issues in International Public Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4364 The Intelligence Community</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4714 Politics of International Trade Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4035 International Political Economy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4085 Women, Gender, and Globalization</td>
<td>3 hrs</td>
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<tr>
<td>INR 4102 American Foreign Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4104 Topics and Cases in American Foreign Policy</td>
<td>3 hrs</td>
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<tr>
<td>INR 4114 American Security Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4115 Strategic Weapons and Arms Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4224 Contemporary International Politics of Asia</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>1</strong> A maximum of 3 hours of Internship can be used.</td>
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</tr>
<tr>
<td><strong>6. Capstone Requirements</strong></td>
<td></td>
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<tr>
<td><strong>7. Foreign Language Requirements</strong></td>
<td></td>
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<tr>
<td><strong>Admissions</strong></td>
<td></td>
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<tr>
<td>Met by graduation requirement</td>
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<tr>
<td><strong>Graduation</strong></td>
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<tr>
<td>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.</td>
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<tr>
<td><strong>8. Electives</strong></td>
<td></td>
</tr>
<tr>
<td>Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.</td>
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</tr>
<tr>
<td>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.</td>
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<tr>
<td><strong>9. Additional Requirements</strong></td>
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<tr>
<td><strong>10. Required Minors</strong></td>
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</tr>
<tr>
<td>Select from the following minors (18 hours min)</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
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<tr>
<td>Asian Studies</td>
<td></td>
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<tr>
<td>French</td>
<td></td>
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<tr>
<td>German</td>
<td></td>
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<tr>
<td>International Business</td>
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<tr>
<td>Italian</td>
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<tr>
<td>European Studies</td>
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<tr>
<td>Latin American Area Studies</td>
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<tr>
<td>Middle Eastern Studies</td>
<td></td>
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<tr>
<td>Spanish</td>
<td></td>
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<tr>
<td><strong>11. Departmental Exit Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>Maintain a minimum GPA of 2.0 in the major. Before applying to graduate, the CLAS must be completely satisfied.</td>
<td></td>
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<tr>
<td><strong>12. University Minimum Exit Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>A 2.0 UCF GPA</td>
<td></td>
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<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>
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<tr>
<td>30 of the last 39 hours of course work must be completed in residency 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.</td>
<td></td>
</tr>
<tr>
<td>Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)</td>
<td></td>
</tr>
<tr>
<td><strong>Total Semester Hours Required</strong></td>
<td></td>
</tr>
<tr>
<td>120</td>
<td></td>
</tr>
<tr>
<td><strong>Honors In Major</strong></td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>
### Interpersonal/Organizational Communication (B.A.)

#### College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

**E-mail:** communication@mail.ucf.edu

**Dr. Jim Katt,** Area Coordinator, jkatt@mail.ucf.edu

**Rebecca Morales,** Academic Support, rmorales@mail.ucf.edu

407-823-2681

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs (other than from I/O Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.

- 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
   - Required [STA 2014C](#) Principles of Statistics 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required [STA 1060C](#) Basic Statistics Using Microsoft Excel or
   - Required [STA 2014C](#) Principles of Statistics

   **C: Mathematical Foundations** (6 hrs)
   - Required [ECO 2013](#) Principles of Macroeconomics 3 hrs
   - Required [GEO 3471](#) World Political Geography 3 hrs
   - Required [POS 3703](#) Scope and Methods of Political Science 3 hrs

   **D: Social Foundations** (6 hrs)
   - Required [IDS 4315](#) Global Perspectives 3 hrs
   - Required [CPG 3103](#) Comparative Politics 3 hrs
   - Required [INR 4603](#) International Relations Theory 3 hrs

   **E: Science Foundations** (6 hrs)

2. **Common Program Prerequisites (CPP)** (18 hrs)

   **A: Communication and Human Relations** (3 hrs)
   - Required [COM 3011C](#) Communication and Human Relations 3 hrs
   - Required [COM 3120](#) Organizational Communication 3 hrs
   - Required [COM 3311](#) Communication Research Methods 3 hrs
   - Required [SPC 3301](#) Interpersonal Communication 3 hrs

#### Related Programs

- Anthropology
- Economics
- History

#### Certificates

- None

#### Related Minors

- Anthropology
- Economics
- History
- Psychology
- Sociology
- Philosophy

#### Advising Notes

None

---

### Related Minors

- Anthropology
- Economics
- History
- Psychology
- Sociology
- Philosophy

### 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

### Related Programs

- Anthropology
- Economics
- History

### 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

---

**UCF Degree Programs**

Undergraduate Catalog 2011-2012
5. Restricted Electives  (27 hrs)
Internal Restricted Electives:  21 hrs

- Select from the following list:
  - COM 3013: Communication and the Family  3 hrs
  - COM 3022: Health Communication  3 hrs
  - COM 3110: Business and Professional Communication  3 hrs
  - COM 3332: Communication, Technology, and Change  3 hrs
  - COM 3406: Role of Motivation in Communication  3 hrs
  - COM 4014: Gender Issues in Communication  3 hrs
  - COM 4416: Terrorism and Communication  3 hrs
  - COM 4461: Intercultural Communication  3 hrs
  - COM 4462: Conflict Management  3 hrs
  - SPC 3445: Leadership Through Oral Communication  3 hrs
  - SPC 3513C: Argumentation and Debate  3 hrs
  - SPC 4331: Nonverbal Communication  3 hrs
  - SPC 4426: Group Dynamics  3 hrs
  - SPC 4540: Attitudes and Communication  3 hrs

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:

- COM 4941: Internship or 3 hrs
- SPC X949: Coop or 3 hrs

A maximum of 3 credits of any combination of the following can be used as an Internal Restricted Elective:

- ENC 3250: Professional Writing or 3 hrs
- ENC 3311: Advanced Expository Writing or 3 hrs
- ENC 3241: Writing for the Technical Professional  3 hrs
- Other upper division COM or SPC courses with prior approval of department advisor.

External Restricted Electives  6 hrs

- A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Interpersonal - Organizational area (i.e. Advertising - Public Relations, Journalism, or Radio - Television).

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

8. Electives
- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses.
- 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.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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 school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall  13 hrs
- ENC 1101: Composition I  3 hrs
- MGF 1107: Explorations in Mathematics  3 hrs
- Foreign Language  4 hrs
- SPC 1608: Fundamentals of Oral Communication  3 hrs

Freshman Year - Spring  16 hrs
- ENC 1102: Composition II  3 hrs
- STA 2014C: Principles of Statistics  3 hrs
- Foreign Language  4 hrs
- Free Elective  3 hrs

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
- CGS XXXX: Computer course  3 hrs

Junior Year - Fall  15 hrs
- COM 3011C: Communication and Human Relations  3 hrs
- COM 3311: Communication Research Methods  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs

Junior Year - Spring  15 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- 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

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
Journalism (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: journalism@mail.ucf.edu

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 recommend that majors work for a student newspaper.
- Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or website.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of six hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- All students are required to pay a fee for equipment insurance.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the 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.
- Journalists majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.

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

A: Communication Foundations (9 hrs)

Composition: Complete both courses.
Required ENC 1101 Composition I and ENC 1102 Composition II

Speech:
Required SPC 1608 Fundamentals of Oral Communication

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

B: Cultural & Historical Foundations (9 hrs)

Group 1: Select a course from group 1.
Prefer AMH 2010 U.S. History: 1492-1877 or AMH 2020 U.S. History: 1877-Present

Group 2: Select a course from group 2.

Group 3: Select a third course from either group 1 or 2.

C: Mathematical Foundations (6 hrs)

Statistics-Computers:
Suggested GGS 1060C Introduction to Computer Science or STA 2014C Principles of Statistics

Math:
Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)

Group 1:
Prefer POS 2041 American National Government

Group 2: Select a listed course

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- See ‘Common Prerequisites’ in the Transfer and Transitions Services section for more information.

Complete the following:
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
- JOU 3004 History of American Journalism
- MMC 2004 Mass Media
- VIC 3001 Visual Communication

4. Core Requirements: Advanced Level (6 hrs)

- These courses may be completed either before or after acceptance into the program.
- JOU 4700 Journalism Ethics
- MMC 3200 Mass Communication Law

5. Restricted Electives (18 hrs)

- These courses can only be completed after acceptance into the program.
- Select courses from the following:
- JOU 3101 Advanced Reporting
- JOU 3201 Editing I
- JOU 3202 Editing II
- JOU 3510 Magazine Publishing
- JOU 4181 Public Affairs Reporting
- JOU 4224 Magazine Editing and Production
- JOU 4300 Feature Writing
- JOU 4342C Converged Journalism
- JOU 4941 Internship
- PGY 3610C Photojournalism I
- Any JOU or PGY prefix writing, photojournalism, or editing course

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement
UCF Degree Programs

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however, it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.
- Eight credits of ASL can also be used to satisfy the major.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the faculty.

11. Department 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.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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 Nicholson School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- Writing and Rhetoric
- History
- Magazine Journalism
- Political Science
- Sociology

Advising Notes
- It is the student’s responsibility to ensure that course prerequisites have been satisfied before registering for a class.
- Students are urged to contact their school advisor before registering for courses.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- Foreign Language 4 hrs
- STA 204 LC Principles of Statistics 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Apply for admission to the major

Sophomore Year - Fall
- JOU 2100C News Reporting 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs

Sophomore Year - Spring
- JOU 3024 History of American Journalism 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall
- 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
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- VIC 3001 Visual Communication 3 hrs
- MMC 3200 Mass Communication Law 3 hrs

Senior Year - Fall
- 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
- 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.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term
Latin American Studies (B.A.)

College of Arts and Humanities
Colburn Hall, Room: 406E and F

http://las.cah.ucf.edu/

E-mail: latinamerica@mail.ucf.edu

Dr. Jose M. Maunez-Cuadra, jmaunez@mail.ucf.edu, 407-823-1173
407-823-1174

Admission Requirements
- None

Major Requirements 15 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs
- GEA 4405 Geography of Latin America 3 hrs
- LAH 3200 Modern Latin America 3 hrs
- LAS 2001 Topics in Latin American Studies 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs

In addition, students are required to take 21 hours of restricted electives, 12 hours from the first area and 9 hours from the second area of emphasis.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without previous approval by the program director.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with the program director.
- Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.
- Students are required to complete a study or work experience in Latin American Studies. A formal study-abroad program on Latin America of at least 45 contact hours equaling three hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three hours of academic internship credit for this option may be available if authorized by the Program Director Internship on Latin American Studies.

Students who change degree programs and select this major must adopt the most current catalog. Co-op or internship credit cannot be used in this major without previous approval by the program director. Students must earn at least a "C" (2.0) in each required course. Students should consult with the program director. Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.

Restricted electives are divided into two areas of emphasis. Students must take a minimum of 12 credit hours in the first area of emphasis and 9 additional credit hours in the second area of emphasis as detailed below.

- Students may not use more than 9 credit hours of courses with the same prefix within the first area of emphasis or more than 6 credit hours of courses with the same prefix within the second area of emphasis.
- Note that this is not an exhaustive list of course options. Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the program director.

**AREA ONE:** 12 hrs

**ANTHROPOLOGY**
- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3161 Archaeology of Mexico 3 hrs

- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3164 Ancient Incas 3 hrs
- ANT 3165 Archaeology of South America 3 hrs
- ANT 3166 Maya Archaeology 3 hrs
- ANT 3319 Anthropology of Diaspora 3 hrs
- ANT 3330 Cultural Ecology of Amazonia 3 hrs
- ANT 3344 Puerto Rican Culture 3 hrs
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs

- ANT 4308 Gender Issues in Latin America 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs

**HISTORY**
- LAH 3130 Latin American History I 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAH 4136 Colonial Florida 3 hrs
- LAH 4512 Modern Argentina 3 hrs
- LAH 4461 History of Puerto Rico 3 hrs
- LAH 4480 History of Cuba 3 hrs
- LAH 4742 The Mexican Revolution 3 hrs
- LAH 4769 Poverty and Development in Latin America 3 hrs

**SPANISH AND SPANISH LITERATURE**
- Students may choose from the extensive listing of upper level SPN and SPW courses. No more than six (6) hours can overlap between the major and the minor.

**AREA TWO:** 9 hrs
- (Select no more than 6 credit hours of courses with the same prefix)

**ART HISTORY**
- ARH 2051 History of Western Art II 3 hrs
- ARH 3670 20th Century Latin American Art 3 hrs
- ARH 3673 Modern Art of Mexico 3 hrs
- ARH 3674 Latin American Popular Visual Culture 3 hrs
- ARH 4653 Meso American Art 3 hrs

**ENGLISH**
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- AML 3882 Ethnic Literature in America 3 hrs
- AML 4630 Latin@Literature 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- LIT 3381 Women Writers of Color 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs

**HUMANITIES**
- HUM 3460 Latin American Humanities 3 hrs

**INTERNATIONAL RELATIONS**
- INR 4243 International Politics of Latin America 3 hrs

**LATIN AMERICAN STUDIES**
- LAS 4023 African Caribbean Experience 3 hrs

**POLITICS**
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- CPO 4047 Politics of the NAFTA Region 3 hrs
- CPO 4074 Political Economy 3 hrs
- CPO 4794 Indigenous Politics and the Environment 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs

**PUBLIC POLICY**
- PUB 3314 Minorities in American Politics 3 hrs

**6. Capstone Requirements**
- Required Experiential Learning (capstone experience, 0 - 3 hrs):
- Students are required to complete a study or work experience in Latin American Studies. This may be fulfilled through participation in any one of the following:
- A formal study-abroad program on Latin America of at least 45 contact hours equaling three hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three hours of academic internship credit for this option may be available if authorized by the Program Director Internship on Latin American Studies.
- Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, Nahua, or Quechua. As the latter languages are currently not taught at UCF, interested students would need to enroll in an off-campus program.
- At the discretion of the Program Director, prior life, study, or work experience may be considered as satisfying this experiential learning requirement.
7. Foreign Language Requirements

Admissions
- Foreign Language Requirement: (0 - 14 hrs)
- LAS majors will have a proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures. Spanish or Portuguese preferred, although other Latin American languages may be acceptable with prior written consent of the LAS program director. Standardized examinations for foreign languages may be used to meet the requirement.

Graduation
- None

8. Electives
- Variable
- Select primarily from upper level courses after meeting with an advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Required Minor: 18 hrs (minimum)
- LAS majors cannot minor in Anthropology, Art History, English, History, Humanities, Latin American Studies or Political Science. A second major in any of the disciplines listed below will satisfy the minor requirement. The LAS minor will continue to be available to non-LAS majors.
- Students will select a minor in consultation with the LAS Program Director. No more than six (6) hours can overlap between the major and the minor. The following are among the options to be considered:
  - Accounting
  - Digital Media
  - Economics
  - Emergency Management and Homeland Security
  - Energy and Sustainability
  - Entrepreneurship: For Non-Business Majors
  - Environmental Studies
  - Finance
  - Health Informatics and Information Management
  - International Business
  - Leadership Studies
  - Marketing
  - Public Administration
  - Spanish
  - Technological Entrepreneurship
  - Urban and Regional Planning
  - Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.eas.ucf.edu/alc/academic_learning_compacts.htm)

Legal Studies (B.A. / B.S.)

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
E-mail: legalstudies@ucf.edu
Dr. David Slaughter
407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)

   C: Mathematical Foundations (6 hrs)

   D: Social Foundations (6 hrs)

   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   ■ None

3. Core Requirements: Basic Level
   ■ None

4. Core Requirements: Advanced Level (18 hrs)
   ■ All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.
   PLA 3014 Law and the Legal System 3 hrs
   PLA 3108 Legal Research 3 hrs
   PLA 3155 Legal Writing 3 hrs
   PLA 3205 Civil Practice and Procedure 3 hrs
   PLA 3615 Property and Real Estate Law 3 hrs
   PLA 4703 Professional Ethics and Liability 3 hrs

5. Restricted Electives
   Upper Division Restricted Electives 21 hrs
   ■ 21 additional hours of Legal Studies coursework selected in consultation with an advisor.

   Supporting Courses 9 hrs
   ■ Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student's advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student's advisor.

   Specializations
   ■ Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
   ■ Law and Society, Litigation and Advocacy, Public Law, Sports and Entertainment Law, Criminal Law and Individual Liberties, Estates and Property Law, Comparative and International Law, Commercial and Transnational Law.
   ■ A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student's advisor.

6. Capstone Requirements (3 hrs)
   ■ Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.
   PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   ■ Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.

8. Electives
   ■ If students chose the following electives, they must complete them with a minimum grade of a "C" (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ Students must take a minimum of 33 hours of PLA courses at UCF.

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A 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
■ Criminal Justice
■ History
■ Political Science
■ Public Administration
■ Sociology
■ Business Administration

Certificates
■ Undergraduate Certificate in Public and Professional Writing

Transfer Notes
■ Courses taken at community colleges do not substitute for Upper Division courses.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PAF 2102 Public Affairs Careers 2 hrs
Select 1: 3 hrs
PSY 2012 General Psychology or
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

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
CGS 1060C Introduction to Computer Science 3 hrs
Free Elective 3 hrs
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or
POS 2041 American National Government or
ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
ARH 2050 History of Western Art I or
ARH 2051 History of Western Art II or
MUL 2010 Enjoyment of Music or
THE 2000 Theatre Survey or
REL 2300 World Religions or
PHI 2010 Introduction to Philosophy or
LIT 2110 World Literature I or
LIT 2120 World Literature II 3 hrs

Certificates
■ Undergraduate Certificate in Public and Professional Writing
## UCF Degree Programs

### Sophomore Year - Fall
- **16 hrs**
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - Free Elective 3 hrs
  - **Select 1:** 3 hrs
  - PSC 1121 Physical Science or
  - CHM 1020 Concepts in Chemistry 3 hrs

### Select 1:
- **3 hrs**
  - EUH 2000 Western Civilization I or
  - HUM 2210 Humanistic Tradition I or
  - AMH 2010 U.S. History: 1492-1877 3 hrs
  - Foreign Language I or BS option 4 hrs

### Junior Year - Fall
- **15 hrs**
  - PLA 3108 Law and the Legal System 3 hrs
  - Restricted Elective 3 hrs
  - Elective/Social Foundations 3 hrs
  - Supporting Elective 3 hrs

### Junior Year - Spring
- **15 hrs**
  - PLA 3155 Legal Writing 3 hrs
  - PLA 3615 Property and Real Estate Law 3 hrs
  - Restricted Elective 3 hrs
  - Elective/Social Foundations 3 hrs
  - Supporting Elective 3 hrs

### Senior Year - Fall
- **15 hrs**
  - PLA 4703 Professional Ethics and Liability 3 hrs
  - Elective/Minor 3 hrs
  - Internship or Restricted Elective 3 hrs

### Senior Year - Spring
- **15 hrs**
  - PLA 4935 Capstone: Legal Issues 3 hrs
  - Elective/Minor 3 hrs
  - Internship or Restricted Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oears.ucf.edu/ac/academic_learning_compacts.htm](http://www.oears.ucf.edu/ac/academic_learning_compacts.htm)

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## Management (B.S.B.A.)

**College of Business Administration**

**Department of Management, Business Administration**

**II, Room: 101**


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 major.
- Students must earn at least a 2.0 GPA in the major and COB.
- Students majoring in Management must earn a grade of "C" (2.0) or better in the following courses and each course applied towards the major:
  - MAN 3025 Management of Organizations 4 hrs
  - MAN 4720 Strategic Management 4 hrs

### 1. UCF General Education Program (GEP)

#### 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 CGS 2100C Computer Fundamentals for Business 3 hrs

#### D: Social Foundations (6 hrs)
- Required MAC 1140 Pre-Calculus Algebra 3 hrs

#### E: Science Foundations (6 hrs)
- Required MAC 1140 Pre-Calculus Algebra 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.

### 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.
  - **3 hrs**
    - ECO 4301 Quantitative Business Tools I
    - or
    - MAC 2233 Concepts of Calculus and
    - STA 2023 Statistical Methods I

### 3. Core Requirements: Basic Level

### 4. Core Requirements: Advanced Level (32 hrs)

First or subsequent semester in the College of Business Administration:

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

- **1** Required in 1st or 2nd semester
- **2** Must be taken with GEB 3031

### 5. Restricted Electives (24 hrs)

- Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

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**UNIVERSITY OF CENTRAL FLORIDA**

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Human Resource Management Track 24 hrs

Restricted Elective Courses 9 hrs

Entrepreneurship Track 24 hrs

Required Courses 15 hrs

Entrepreneurship Track 24 hrs

Restricted Elective Courses 9 hrs

Restricted Elective Courses 9 hrs

General Management Track 24 hrs

Restricted Elective Courses 9 hrs

Required Courses 15 hrs

Restricted Elective Courses 9 hrs

Required Courses 12 hrs

Electives (variable)

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

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A 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, Macroeconomics, Calculus, Statistics, and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

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

AGC 2021 Principles of Financial Accounting 3 hrs

AGC 2021 Principles of Financial Accounting may be substituted with: AGC X001 3 hrs

Plan of Study

Must complete 9 hours in a summer semester.

Freshman Year - Fall 15 hrs

Freshman Year - Spring 15 hrs

Sophomore Year - Fall 15 hrs

Advising Notes

Must complete 9 hours in a summer semester.

Freshman Year - Fall 15 hrs

Freshman Year - Spring 15 hrs

Sophomore Year - Fall 15 hrs

Advising Notes

Must complete 9 hours in a summer semester.

Freshman Year - Fall 15 hrs

Freshman Year - Spring 15 hrs

Sophomore Year - Fall 15 hrs

Advising Notes

Must complete 9 hours in a summer semester.

Freshman Year - Fall 15 hrs

Freshman Year - Spring 15 hrs

Sophomore Year - Fall 15 hrs
UCF Degree Programs

Human Resource Management Track

1 “C” (2.0) or better required in each class.

Sophomore Year - Spring

1 ACG 2071 Principles of Managerial Accounting 3 hrs
1 ECO 2013 Principles of Macroeconomics 3 hrs
1 ECO 3401 Quantitative Business Tools I 3 hrs
Science 3 hrs
Elective 3 hrs

1 “C” (2.0) or better required in each class.

Junior Year - Fall 16 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

Senior Year - Fall 16 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 3023 Marketing 4 hrs
MAR 3023 Supply Chain Management 4 hrs

Senior Year - Spring 16 hrs
GEB 3375 Introduction to International Business 4 hrs
MAN 3301 Management of Human Resources 3 hrs
MAN 4240 Organizations: Theory and Behavior 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs

Entrepreneurship Track

Junior Year - Fall 16 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

Senior Year - Fall 16 hrs
MAN 4441 Conflict Resolution and Negotiation 3 hrs
MAN 4701 Business Ethics and Society 3 hrs
MAN 4720 Strategic Management 4 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs

Senior Year - Spring 16 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 3023 Marketing 4 hrs
MAR 3023 Supply Chain Management 4 hrs

Marketing (B.S.B.A.)

College of Business Administration
Department of Marketing, Business Administration II, Room: 101
http://www.bus.ucf.edu
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 better transfer into the program and students must have a “C” (2.0) or better in each common program prerequisite class.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department of school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB
- Complete all Gordon Rule requirements, prior to admission to this degree.
- Final exams will be given during Exam Week
- Students majoring in Marketing must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:

  - MAR 3023 Marketing 4 hrs

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

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

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 1140 Pre-Calculus Algebra 3 hrs
- Required CGS 2100C Computer Fundamentals for Business 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: ECO 2013 Principles of Macroeconomics 3 hrs
- Select 1: ECO 2023 Principles of Microeconomics 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs

3. Core Requirements: Basic Level
- 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
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - A 2.0 UCF GPA
  - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

4. Core Requirements: Advanced Level (50 hrs)
- First or subsequent semester in the College of Business 32 hrs

   Administration:
   - select a minimum of 2 courses from the following list of courses:
     - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
     - MAR 4156 International Marketing 3 hrs
     - MAR 3765 Entrepreneurial Marketing 3 hrs

   Professional Selling Track 9 hrs
   - Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Department faculty committee will select a maximum of 40 professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form. Must have earned a grade of B (3.0) or higher in the following to apply:
     - MAR 3391 Professional Selling 3 hrs
     - MAR 3403 Sales Force Management and 3 hrs
     - MAR 4415C Advanced Professional Selling and 3 hrs
     - MAR 4413C Strategic Issues in Sales-Lecture 3 hrs

   Take all of the following: 9 hrs
     - MAR 3403 Sales Force Management and 3 hrs
     - MAR 4415C Advanced Professional Selling and 3 hrs
     - MAR 4413C Strategic Issues in Sales-Lecture 3 hrs

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs

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
- 46 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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
- None

Related Programs
- None

Certificates
- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management
- Marketing: e-Marketing

Related Minors
- None
UCF Degree Programs

Advising Notes

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Must complete nine hours in a summer semester

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

Sophomore Year - Fall

- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs
- Elective 3 hrs

Sophomore Year - Spring

- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Restricted Elective 3 hrs
- Science 3 hrs

Junior Year - Fall

- MAN 4720 Strategic Management 4 hrs
- MAR 4604 Marketing Strategy 3 hrs
- MAR Elective 3 hrs
- GE Non-Business Elective 3 hrs

Marketing: Professional Selling Track

Freshman Year - Fall

- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

Sophomore Year - Fall

- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Restricted Elective 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs

Sophomore Year - Spring

- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Restricted Elective 3 hrs
- Science 3 hrs

Junior Year - Fall

- ECO 3411 Quantitative Business Tools II 3 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

- MAN 4803 Management 4 hrs
- MAR 4604 Marketing Strategy 3 hrs
- MAR 3025 Management of Organizations 3 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR Elective 3 hrs
- MAR 3203 Supply Chain Management 4 hrs

Senior Year - Spring

- MAR 4803 Marketing Management 3 hrs
- MAR 3025 Management of Organizations 4 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR Elective 3 hrs
- MAR 3203 Supply Chain Management 4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
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. J. Brennan, jpbrenna@mail.ucf.edu
407-823-5700

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, bringing GEP hours above 36.
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (7 hrs)
     - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
     - Required COP 3502C Computer Science I 3 hrs
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (7 hrs)
     - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Physical Science:
     - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

Life & Earth Science: Select one 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 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
     - COP 3502 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)
   - STA 4321 Statistical Theory I 3 hrs
   - STA 4322 Statistical Theory II 3 hrs
   - MAA 4226 Advanced Calculus I 4 hrs
   - COP 4500 Numerical Calculus 3 hrs
   - MAA 4103 Mathematical Modeling I 3 hrs

Select 1:

   - ENC 3241 Writing for the Technical Professional or ENC 3310 Magazine Writing I or ENC 3311 Advanced Expository Writing 3 hrs

Select 1:

   - MAD 4203 Applied Combinatorics or MAD 4253 Vector and Tensor Analysis 3 hrs

5. Restricted Electives (6 hrs)
   - Note: Students must satisfy course prerequisites before enrolling in these courses.
   - 5.a. Applied Elective: 3 hrs
     - Select 1:
       - COT 4210 Discrete Structures II or COT 4400 Tools for Algorithm Analysis or COT 5507 Computational Methods/Applications or COT 5510 Computational Methods/Linear Systems or EGN 3310 Engineering Analysis-Statics or EGN 3321 Engineering Analysis-Dynamics or EGN 3343 Thermodynamics or EGN 3373 Principles of Electrical Engineering or STA 4102 Computer Processing of Statistical Data or STA 5103 Advanced Computer Processing of Statistical Data or STA 4641 Risk Theory and Decision 3 hrs

5.b. Biological or physical sciences Elective: 3 hrs
   - Select 1:
     - PCB 3044 Principles of Ecology or PCB 3063 Genetics or PCB 4302C Physiochemical Limnology or PCB 4303C Biological Limnology or CHM 3310 Physical Chemistry I or CHM 2210 Organic Chemistry I or PHY 3310 Physics for Engineers and Scientists III or PHY 3323 Electricity and Magnetism I or PHY 4324 Electricity and Magnetism II or PHY 4424 Optics or PHY 4604 Wave Mechanics I 3 hrs

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
   - 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.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 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)
## UCF Degree Programs

### Total Semester Hours Required
- **120**

### Honors In Major
- None

### Related Programs
- Computer Science
- Mathematics Education
- Statistics
- Electrical Engineering
- Mechanical Engineering
- Aerospace Engineering
- Computer Engineering

### 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/

### Freshman Year - Fall
- **13 hrs**
  - MAC 2311 Calculus with Analytic Geometry I  4 hrs
  - STA 2023 Statistical Methods I  3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

### Freshman Year - Spring
- **16 hrs**
  - MAC 2312 Calculus with Analytic Geometry II  4 hrs
  - MHF 3302 Logic and Proof in Mathematics  3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - Free Elective 3 hrs

### Sophomore Year - Fall
- **15 hrs**
  - PHY 2048C Physics for Engineers & Scientists I  4 hrs
  - MAC 2313 Calculus with Analytic Geometry III  4 hrs
  - MAS 3105 Matrix and Linear Algebra  4 hrs
  - GEP 3 hrs

### Sophomore Year - Spring
- **14 hrs**
  - MAP 2302 Differential Equations  3 hrs
  - MAS 3106 Linear Algebra  4 hrs
  - PHY 2049C Physics for Engineers and Scientists II  4 hrs
  - GEP 3 hrs

### Junior Year - Fall
- **15 hrs**
  - COP 3223 Introduction to Programming with C  3 hrs
  - Free Elective 3 hrs
  - MAP 4363 Applied Boundary Value Problems I  3 hrs
  - Core Course 3 hrs

### Junior Year - Spring
- **16 hrs**
  - COP 3502C Computer Science I  3 hrs
  - MAA 4402 Introduction to Complex Variables  3 hrs

### Senior Year - Fall
- **16 hrs**
  - COP 4500 Numerical Calculus  3 hrs
  - MAA 4226 Advanced Calculus I  4 hrs
  - STA 4321 Statistical Theory I  3 hrs
  - GEP 3 hrs
  - Restricted Elective 3 hrs

### Senior Year - Spring
- **15 hrs**
  - MAP 4103 Mathematical Modeling I  3 hrs
  - STA 4322 Statistical Theory II  3 hrs
  - Restricted Elective 3 hrs
  - Free Elective 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.o eas.ucf.edu/aac/academic_learning_compacts.htm

### Mathematics - Computational Track (B.S.)

#### College of Sciences

#### Department of Mathematics, Math and Physics, Room: 207

**http://math.ucf.edu**

**E-mail: math@mail.ucf.edu**

Dr. J. Brennan, jpbrenna@mail.ucf.edu, 407-823-5700

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.
- 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 must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
  - MAC 2311 Calculus with Analytic Geometry I  4 hrs
  - MAC 2312 Calculus with Analytic Geometry II  4 hrs
  - MAC 2313 Calculus with Analytic Geometry III  4 hrs
  - MAP 2302 Differential Equations  3 hrs

#### 1. UCF General Education Program (GEP)  (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations  (9 hrs)
- B: Cultural & Historical Foundations  (9 hrs)
- C: Mathematical Foundations  (7 hrs)
  - Required MAC 2311 Calculus with Analytic Geometry I  4 hrs
  - Required COP 3502C Computer Science I  3 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:
- Select one course listed in GEP E 2  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 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)
- STA 2023 Statistical Methods I 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
- COP 3502C Computer Science I GEP

4. Core Requirements: Advanced Level (42 hrs)
- ENC 3241 Writing for the Technical Professional 3 hrs
- MAA 4402 Introduction to Complex Variables 3 hrs
- MAA 4426 Advanced Calculus I 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- COP 3930C Computer Science II 4 hrs
- COT 4500 Numerical Calculus 3 hrs

Select 1:
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- COT 3100C Introduction to Discrete Structures 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:
- COP 3402 Systems Software or 3 hrs
- COP 4331C Processes for Object-Oriented Software Development or 4 hrs
- COP 4020 Programming Languages I or 3 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
- None

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.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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
- Computer Science
- Electrical Engineering
- 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 14 hrs
- 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 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- MAP 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
- 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

Senior Year - Fall 15 hrs
- 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

Undergraduate Catalog 2011-2012
UFC Degree Programs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
GEP 3 hrs
COP 3502C Computer Science I 3 hrs
MAA 4402 Introduction to Complex Variables 3 hrs
MAP 4364 Applied Boundary Value Problems II 3 hrs

Senior Year - Fall 16 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
STA 4321 Statistical Theory I 3 hrs
MAD 4203 Applied Combinatorics 3 hrs
COP 3503C Computer Science II 4 hrs

Senior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
COT 4500 Numerical Calculus 3 hrs
GEP 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oes.ucf.edu/ael/academic_learning_compacts.htm

Life & Earth Sciences. 3 hrs
Select one course listed in GEP E 2. 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 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 3 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 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 3 hrs

4. Core Requirements: Advanced Level (53 hrs)
- MAP 4103 Mathematical Modeling I or 3 hrs
  EML 3034C Electromagnetic Fields 3 hrs
  EGN 4163 Engineering Analysis-Dynamics 3 hrs

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. J. Brennan, jpbrenna@mail.ucf.edu, 407-823-5700

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a C (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
  Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
  Required COP 3502C Computer Science I 3 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

- See Transfer Notes for possible substitutes for the courses below.
  EML 3041 Fluid Mechanics I or 3 hrs
  EML 3051 Fluid Mechanics II or 3 hrs
  ESI 4201 Introduction to Theoretical Methods of Physics 3 hrs
Or any MAA, MAD, MAP, or MAS course at 3000 level or above

Select 1: 3 hrs
CES 4100C Structural Analysis I and Lab or EGG 3304 4 hrs
EGN 3331 Mechanics of Materials or EGG 3332 3 hrs
EI 3001 Introduction to Industrial Engineering and Management Systems or EGG 3334 3 hrs
EAS 3101 Fundamentals of Aerodynamics or EGG 3301 3 hrs
EGM 3601 Solid Mechanics or EGG 3333 3 hrs
EEL 3004 Electrical Networks or EGG 3338 3 hrs
or any PHY, AST, PHZ, MAA, MAD, MAP, or MAS course at 3000 level or above

1 PHY 3101 may be selected only if EGN 3373 is also taken

Select 2: 6 hrs
STA 4321 Statistical Theory I or EGG 3373 3 hrs
STA 4322 Statistical Theory II or EGG 3374 3 hrs
PHY 3323 Electricity and Magnetism I or EGG 3375 3 hrs
PHY 4324 Electricity and Magnetism II or EGG 3376 3 hrs
EGN 3385 Structure and Properties of Materials or EGG 3377 3 hrs
EGN 3613 Engineering Economic Analysis or EGG 3378 3 hrs
EEE 3342C Digital Systems or EGG 3379 3 hrs
EEL 3801C Computer Organization or EGG 3380 3 hrs
EEL 3857 Linear Control Systems or EGG 3381 3 hrs
EML 4142 Heat Transfer or EGG 3382 3 hrs
EML 4312C Feedback Control or EGG 3383 3 hrs
EML 3262 Kinematics of Mechanisms or EGG 3384 3 hrs
EAS 4200 Flight Structures or EGG 3385 3 hrs
EAS 4400 Spacecraft Attitude Dynamics or EGG 3386 3 hrs
EAS 4505 Vibration Mechanics or EGG 3387 3 hrs
EAS 4105 Flight Mechanics or EGG 3388 3 hrs
EML 4703 Fluid Mechanics II or EGG 3389 3 hrs
EAA 4223 Fundamentals of Mechanical Behavior of Materials or EGG 3390 3 hrs
or any MAA, MAD, MAP, or MAS course at 3000 level or above

5. Restricted Electives (6 hrs)

Select 2: 6 hrs
MAC 2313 Calculus with Analytic Geometry I 4 hrs
STA 2023 Statistical Methods I 3 hrs
STA 2024 Statistical Methods II 3 hrs
GEP 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 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 Minors
None

11. Department 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.

12. University Minimum Exit Requirements
A 2.0 UCF GPA

60 semester hours earned 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

Hons. In Major
None

Related Programs
Mathematics - Applied Track
Computer Science
Civil Engineering
Electrical Engineering
Aerospace Engineering
Mechanical Engineering
Physics
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 to satisfy the CPP.
Physics: may use any PHYS, CHM or BSC course with a lab designed for science majors to satisfy the CPP; however, these physics classes are core requirements and still must be taken.

Plan of Study
This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 13 hrs
GEP 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
STA 2023 Statistical Methods I 3 hrs
GEP 3 hrs

Freshman Year - Spring 16 hrs
GEP 3 hrs
GEP 3 hrs
Core Course 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
Core Course 3 hrs

Sophomore Year - Fall 14 hrs
GEP 3 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
GEP 3 hrs

Sophomore Year - Spring 16 hrs
GEP 3 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
Core Course 3 hrs
Free Elective 3 hrs
### Mathematics - Mathematical Economics Track

#### (B.S.)

**Department of Mathematics, Math and Physics,**

**Room: 207**

[http://math.ucf.edu](http://math.ucf.edu)

**E-mail: math@mail.ucf.edu**

Dr. J. Brennan, jpbrenna@mail.ucf.edu

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 2302 Differential Equations**

### Program Academic Learning Compacts

- **Program Academic Learning Compacts (student learning outcomes)** for undergraduate programs are located at:
  [http://www.oesa.ucf.edu/alc/academic_learning_compacts.htm](http://www.oesa.ucf.edu/alc/academic_learning_compacts.htm)

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### UCF Degree Programs

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>Core Course</td>
<td>3 hrs</td>
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<tr>
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<tr>
<td>Free Elective</td>
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<thead>
<tr>
<th>Junior Year - Spring</th>
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</thead>
<tbody>
<tr>
<td>MAA 4402 Introduction to Complex Variables</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAA 4226 Advanced Calculus I</td>
<td>4 hrs</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>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<th>Senior Year - Fall</th>
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<tbody>
<tr>
<td>MAP 4363 Applied Boundary Value Problems I</td>
<td>3 hrs</td>
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<tr>
<td>EGN 3321 Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
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<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<table>
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<tr>
<th>Senior Year - Spring</th>
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</thead>
<tbody>
<tr>
<td>MAP 4364 Applied Boundary Value Problems II</td>
<td>3 hrs</td>
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<tr>
<td>Core Course</td>
<td>3 hrs</td>
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<td>Core Course</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes)

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### Department of Mathematics, Math and Physics,

**Room: 207**

[http://math.ucf.edu](http://math.ucf.edu)

**E-mail: math@mail.ucf.edu**

Dr. J. Brennan, jpbrenna@mail.ucf.edu

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 2302 Differential Equations**
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 4363  Applied Boundary Value Problems I 3 hrs
  - MAP 4113  Probability, Random Processes and Applications I 3 hrs
  - MAA 4402  Introduction to Complex Variables 3 hrs
  Area 2 9 hrs
  - ECO 3703  International Microeconomics 3 hrs
  - ECO 4713  International Macroeconomics 3 hrs
  - ECO 4504  Public Economics 3 hrs
  - ECP 4403  Industrial Organization and Game Theory 3 hrs
  - ECP 4303  Environmental and Natural Resource Economics 3 hrs
  - STA 4322  Statistical Theory II 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a
  departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must earn a grade of "C" (2.0) or better in each course
  applied towards the major as well as a 2.0 overall average.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned 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
- 120

Honors In Major
- None

Related Programs
- Mathematics - Applied Track
- Statistics
- Certificates
- None

Related Minors
- Statistics
- Computer Science
- Economics
- Mathematics

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 sup-
  porting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
- Substitutes for common program prerequisites if taken prior to trans-
  ferring to UCF.
- Computer Programming: may use any programming language
  course with a COP prefix.

Plan of Study
- One of numerous possible plans of study. See program description
  for all requirements. Consult a departmental advisor for alternate, new or
  more appropriate selections.

Freshman Year - Fall 16 hrs
- ENC 1101  Composition I 3 hrs
- MAC 2311  Calculus with Analytic Geometry I 4 hrs
- STA 2023  Statistical Methods I 3 hrs
- GE 3 hrs
- COP 3223  Introduction to Programming with C 3 hrs

Freshman Year - Spring 16 hrs
- ECO 2023  Principles of Microeconomics 3 hrs
- MAC 2312  Calculus with Analytic Geometry II 4 hrs
- MHF 3302  Logic and Proof in Mathematics 3 hrs
- ENC 1102  Composition II 3 hrs
- GE 3 hrs

Sophomore Year - Fall 15 hrs
- ECO 2013  Principles of Macroeconomics 3 hrs
- MAC 2313  Calculus with Analytic Geometry III 4 hrs
- MAS 3105  Matrix and Linear Algebra 4 hrs
- GE 3 hrs

Sophomore Year - Spring 16 hrs
- ECO 3101  Intermediate Microeconomics 3 hrs
- MAP 2302  Differential Equations 3 hrs
- MAS 3106  Linear Algebra 4 hrs
- GE 3 hrs
- Core Course 4 hrs

Junior Year - Fall 15 hrs
- ECO 3203  Intermediate Macroeconomics 3 hrs
- STA 4321  Statistical Theory I 3 hrs
- GE 3 hrs
- GE 3 hrs
- GE 3 hrs

Junior Year - Spring 15 hrs
- MAP 4103  Mathematical Modeling I 3 hrs
- ECO 3410  Mathematical Economics 3 hrs
- GE 3 hrs
- GE 3 hrs
- GE 3 hrs

Senior Year - Fall 15 hrs
- MAA 4226  Advanced Calculus I 4 hrs
- GE 3 hrs
- GE 3 hrs
- GE 3 hrs

Senior Year - Spring 15 hrs
- ECO 4451  Research Methods in Economics 3 hrs
- GE 3 hrs
- GE 3 hrs
- GE 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Mathematics - 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. J. Brennan, jpbrenna@mail.ucf.edu, 407-823-5700

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
UCF Degree Programs

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 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.

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: MAC 2311 Calculus with Analytic Geometry I  
     4 hrs
     Required: COP 3502C Computer Science I  
     3 hrs
   - D: Social Foundations  
     (6 hrs)
   - E: Science Foundations  
     (7 hrs)
     Required: PHY 2048C Physics for Engineers & Scientists I  
     4 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  
     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
   - PHY 2048C Physics for Engineers & Scientists I  
     GEP  
     4 hrs
   - PHY 2049C Physics for Engineers & Scientists II  
     CPP  
     4 hrs

3. Core Requirements: Basic Level  
   (3 hrs)
   - STA 2023 Statistical Methods I  
     3 hrs
   - MAP 2302 Differential Equations  
     CPP
   - PHY 2048C Physics for Engineers & Scientists I  
     GEP  
     CPP
   - PHY 2049C Physics for Engineers & Scientists II  
     CPP

4. Core Requirements: Advanced Level  
   (42 hrs)
   - MHF 3302 Logic and Proof in Mathematics  
     3 hrs
   - MAS 3105 Matrix and Linear Algebra  
     4 hrs
   - MAS 3106 Linear Algebra  
     4 hrs
   - MAP 4363 Applied Boundary Value Problems I  
     3 hrs
   - STA 4321 Statistical Theory I  
     3 hrs
   - STA 4322 Statistical Theory II  
     3 hrs
   - MAS 4301 Abstract Algebra I  
     3 hrs
   - COP 3502C Computer Science I  
     GEP
   - MAA 4226 Advanced Calculus I  
     4 hrs
   - MAA 4227 Advanced Calculus II  
     3 hrs
   - MAD 4303 Applied Combinatorics  
     3 hrs
   - MTG 4302 Introduction to Topology  
     3 hrs
   - MAA 4402 Introduction to Complex Variables  
     3 hrs

5. Restricted Electives  
   (3 hrs)
   - Note: Students must satisfy course prerequisites before enrolling in these courses.

Select one of the following courses;  
   3 hrs
   - PCB 3044 Principles of Ecology or  
   - PCB 3063 Genetics or  
   - PCB 4302C Physiochemical Limnology or  
   - PCB 4303C Biological Limnology or  
   - CHM 2046 Chemistry Fundamentals II or  
   - CHM 2210 Organic Chemistry I 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
- None

Graduation
- None

8. Electives
   - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Students must earn at least a "C" (2.0) in each course required in the degree program.
    - Participate in an exit interview.
    - Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Statistics
- Mathematics - Applied Track
- Mathematics - Mathematical Economics Track
- Computer Science
- Statistics
- Mathematics Education
- None

Advising Notes
- None

Transfer Notes
- None

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 at http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test at http://mathplacement.sdes.ucf.edu

Senior Year - Fall 16 hrs
- GEP 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Junior Year - Spring 16 hrs
- GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MTH 3302 Logic and Proof in Mathematics 3 hrs
- Free Elective 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 3 hrs
- MAC 3105 Matrix and Linear Algebra 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
- COP 3223 Introduction to Programming with C 3 hrs
- MAP 4306 Abstract Algebra I 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring 16 hrs
- MAA 4402 Introduction to Complex Variables 3 hrs
- Restricted Elective 4 hrs
- Free Elective 3 hrs
- Free Elective 4 hrs
- COP 3502C Computer Science I 3 hrs

Senior Year - Fall 16 hrs
- GEP 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs
- STA 4321 Statistical Theory I 3 hrs

Senior Year - Spring 16 hrs
- GEP 3 hrs
- MAA 4227 Advanced Calculus II 3 hrs
- MTG 4302 Introduction to Topology 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- Free Elective 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oears.ucf.edu/aic/academic_learning_compacts.htm

Mathematics Education (B.S.)

College of Education

School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Dr. Erhan Haciomeroglu, ED 115L, erhanh@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 designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Preferred AMH 2010 U.S. History: 1492-1877 3 hrs
- Preferred AMH 2020 U.S. History: 1877-Present 3 hrs
- Preferred 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)
- Preferred PSY 2012 General Psychology 3 hrs
- Preferred POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
- Preferred ENC 1102 Composition II 3 hrs
- Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: (3 hrs)
- Preferred 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.

Take all of the following: (9 hrs)
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators and EME 2040 Introduction to Technology for Educators 3 hrs

2 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (14 hrs)
- Students should consult advisor regarding course options.
- Preferred ENC 2130 Child and Adolescent Development for Educators 3 hrs
- Required MAC 2311 Calculus with Analytic Geometry I GEP
- Required STA 2023 Statistical Methods I GEP
- Required STA 2312 Calculus with Analytic Geometry II 4 hrs
6. Capstone Requirements

5. Restricted Electives

Rule 6A-5.066.

6. Capstone Requirements

Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL.

Students in Schools.

EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
EEX 4242 Teaching Exceptional Students in Grades K-12 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Internship I Block

7 hrs

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

MAE 4360 Mathematics Instructional Analysis 4 hrs
MAE 3940 Internship 3 hrs

Specialization Requirements

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

MAS 3105 Matrix and Linear Algebra 4 hrs
MAS 3203 Introduction to Number Theory 3 hrs
MTH 3302 Logic and Proof in Mathematics 3 hrs
MTH 4404 History of Mathematics 3 hrs
MTG 4212 Modern Geometries 4 hrs
STA 4163 Statistical Methods II 3 hrs
MAE 4634 Programs in Teaching of Mathematics 3 hrs

Internship II

12 hrs

At least 60% of all required mathematics courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Passing scores on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.

Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu/.

Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the professional level in accordance with State Board of Education Rule 6A-5.066.

MAE 4941 Internship 12 hrs

5. Restricted Electives

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

None

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

13 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

16 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:

3 hrs

ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer

10 hrs

MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall

15 hrs

EDF 2005 Introduction to the Teaching Profession 3 hrs
MAP 2302 Differential Equations 3 hrs
MHF 3302 Logic and Proof in Mathematics 3 hrs
POS 2041 American National Government 3 hrs
STA 2023 Statistical Methods I 3 hrs
### Sophomore Year - Spring

<table>
<thead>
<tr>
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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
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<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAS 3203</td>
<td>Introduction to Number Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>¹ EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

<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>EGG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MTG 4212</td>
<td>Modern Geometries</td>
<td>4 hrs</td>
</tr>
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</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</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>STA 4163</td>
<td>Statistical Methods II</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>
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</table>

### Senior Year - Fall

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>MAE 3040</td>
<td>Internship</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>MHF 4404</td>
<td>History of Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4360</td>
<td>Mathematics Instructional Analysis</td>
<td>4 hrs</td>
</tr>
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</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4941</td>
<td>Internship</td>
<td>12 hrs</td>
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</tbody>
</table>

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oetas.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](http://www.mmae.ucf.edu)

E-mail: mmaeugrad@mail.ucf.edu

Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137

Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448

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)

<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>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
- Prefer 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 course 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 | 3 hrs
  - Prefer ECO 2023 | Principles of Microeconomics | 3 hrs
  - Select one course from Social Foundations | 3 hrs

### E: Science Foundations (7 hrs)
- Required PHY 2048C | Physics for Engineers & Scientists I | 4 hrs
- PHY 2049C | Physics for Engineers & Scientists II | 4 hrs

Select 1:
- ¹ CHS 1440 | Fundamentals of Chemistry for Engineers | 4 hrs
- ¹ CHM 2041 | Chemistry Fundamentals I | 4 hrs
- 2045C
- ² CHM 2040 | Chemistry Fundamentals IA | 3 hrs
- ³ CHM 2041 | Chemistry Fundamentals IB | 3 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 | 2 hrs
  - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.
  
  - EGN 1006C | Introduction to the Engineering Profession | 1 hr
  - EGN 1007C | Engineering Concepts and Methods | 1 hr

### 4. Core Requirements: Advanced Level (63 hrs)
- Required Courses: Advanced | 42 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
  - STA 3032 | Probability and Statistics for Engineers | 3 hrs
  - EML 3034C | Modeling Methods in Mechanical and Aerospace Engineering | 3 hrs
  - EML 3303C | Mechanical Engineering Measurements | 3 hrs
  - EML 4312C | Feedback Control | 3 hrs
  - EML 3500 | Machine Design and Analysis | 3 hrs
  - EGM 3601 | Solid Mechanics | 3 hrs
  - EML 3701 | Fluid Mechanics I | 3 hrs
  - EML 4142 | Heat Transfer | 3 hrs
  - EML 4220 | Vibration Analysis | 3 hrs
  - EML 4535C | CAD/CAM | 3 hrs

Select one of the following three options for your senior year to complete your BSME:
UCF Degree Programs

Energy Systems Option
- EML 3101 Thermodynamics of Mechanical Systems and
  21 hrs
- EML 4304C Design of Thermo-Fluid Experiment and
  2 hrs
- EML 4703 Fluid Mechanics II and
  3 hrs
- EML 4145 Topics in Heat Transfer and
  3 hrs
- EML 4221C Mechanical Systems Experimental Techniques and
  2 hrs

Approved Electives
- 9 hrs

Mechanical Systems Option
- EML 4304C Design of Thermo-Fluid Experiment and
  21 hrs
- EML 3202 Kinematics of Mechanics and
  2 hrs
- EGM 3201L Solid Mechanics Lab and
  3 hrs
- EML 4221C Mechanical Systems Experimental Techniques and
  2 hrs

Approved Electives
- 12 hrs

Materials Option
- EMA 3012C Experimental Techniques in Mechanics and
  Materials and
  21 hrs
- EMA 4102 Thermodynamics and Kinetics of Materials and
  3 hrs
- EMA 3124 Design and Selection of Materials and
  3 hrs
- EMA 4223 Fundamentals of Mechanical Behavior of Materials and
  3 hrs

Approved Electives
- 9 hrs

5. Restricted Electives
- Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of 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

6. Capstone Requirements
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

Select 1:
- EML 4501C Engineering Design I or
  3 hrs
- EGN 4412C Interdisciplinary Design I
  3 hrs

Select 1:
- EML 4502C Engineering Design II or
  3 hrs
- EGN 4413C Interdisciplinary Design II
  3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- Double Degree/Double Major requirements listed under the college section of the catalog.

Career and Academic Advising
- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
  - EML 3990 Mechanical Career and Academic Faculty
  - Advising I
  - EML 4991 Mechanical Career and Academic Faculty
  - Advising II

Transfer Notes
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.
- Mechanical Systems Option:

Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession
  1 hr
- ENC 1101 Composition I
  3 hrs
- MAC 2311 Calculus with Analytic Geometry I
  4 hrs
- GEP
  3 hrs
- Select 1:
  - CHS 1140 Fundamentals of Chemistry for Engineers
  - 4 hrs
  - CHM 2045C Chemistry Fundamentals I or
    3 hrs
  - 1 CHM 2040 Chemistry Fundamentals IA
    3 hrs
- 1 Must take CHM 2041C to complete the sequence

Freshman Year - Spring
- 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
- GEP
  3 hrs

Freshman Year - Summer
- MAC 2313 Calculus with Analytic Geometry III
  4 hrs
- GEP
  3 hrs
- GEP
  3 hrs

Sophomore Year - Fall
- MAP 2302 Differential Equations
  3 hrs
- EGN 3310 Engineering Analysis-Statistics
  3 hrs
- STA 3032 Probability and Statistics for Engineers
  3 hrs
- PHY 2049C Physics for Engineers and Scientists II
  4 hrs

Sophomore Year - Spring
- EGN 3321 Engineering Analysis-Dynamics
  3 hrs
- EGN 3343 Thermodynamics
  3 hrs
- EGM 3601 Solid Mechanics
  3 hrs
- EGM 3373 Principles of Electrical Engineering
  3 hrs

Sophomore Year - Summer
- EGN 3385 Structure and Properties of Materials
  3 hrs
- GEP
  3 hrs
- GEP
  3 hrs
### UCF Degree Programs

#### 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

Dorilyn Hitchcock, Program Director, hitchcod@mail.ucf.edu

407-823-5932

#### Undergraduate Catalog 2011-2012

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<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>EML 3500 Machine Design and Analysis</td>
<td>3 hrs</td>
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<tr>
<td>EML 3701 Fluid Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3034C Modeling Methods in Mechanical and Aerospace Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3303C Mechanical Engineering Measurements</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>EML 3990 Mechanical Career and Academic Faculty Advising I</td>
<td>0 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
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<tbody>
<tr>
<td>EML 3202 Kinematics of Mechanisms</td>
<td>3 hrs</td>
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<tr>
<td>EML 4312C Feedback Control</td>
<td>3 hrs</td>
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<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4221C Mechanical Systems Experimental Techniques</td>
<td>2 hrs</td>
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<tr>
<td>EML 4991 Mechanical Career and Academic Faculty Advising II</td>
<td>0 hrs</td>
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**Select 1:**

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>EML 4501C Engineering Design I or</td>
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</tr>
<tr>
<td>EGN 4412C Interdisciplinary Design I</td>
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### Energy Systems Option

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>13 hrs</th>
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<tbody>
<tr>
<td>EML 4301 Thermodynamics of Mechanical Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4703 Fluid Mechanics II</td>
<td>3 hrs</td>
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<tr>
<td>EML 4535C CAD/CAM</td>
<td>3 hrs</td>
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<tr>
<td>EML 4221C Mechanical Systems Experimental Techniques</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4991 Mechanical Career and Academic Faculty Advising II</td>
<td>0 hrs</td>
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**Select 1:**

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<th></th>
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<tbody>
<tr>
<td>EML 4502C Engineering Design II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4413C Interdisciplinary Design II</td>
<td>3 hrs</td>
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### Materials Option

<table>
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<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>EMA 4102 Thermodynamics and Kinetics of Materials</td>
<td>3 hrs</td>
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<tr>
<td>EMA 3124 Design and Selection of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>3 hrs</td>
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<tr>
<td>EML 4991 Mechanical Career and Academic Faculty Advising II</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Upper Division elective</td>
<td>3 hrs</td>
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**Select 1:**

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<th>3 hrs</th>
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<tr>
<td>EML 4501C Engineering Design I or</td>
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</tr>
<tr>
<td>EGN 4412C Interdisciplinary Design I</td>
<td>3 hrs</td>
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<th>Senior Year - Spring</th>
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<tr>
<td>EMA 5012C Experimental Techniques in Mechanics and Materials</td>
<td>3 hrs</td>
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<tr>
<td>EMA 4223 Fundamentals of Mechanical Behavior of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
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**Select 1:**

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<th>3 hrs</th>
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<tr>
<td>EML 4502C Engineering Design II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4413C Interdisciplinary Design II</td>
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**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  [http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**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.
- Students must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)
     - Prefer **MAC 1105C College Algebra** (3 hrs)
     - Required **STA 2023 Statistical Methods I** (3 hrs)
   - **D: Social Foundations** (6 hrs)
   - **E: Science Foundations** (8 hrs)
     - Required **BSC 2010C Biology I** (4 hrs)
     - Required **CHM 2045C Chemistry Fundamentals I** (4 hrs)

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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/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**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.
- Students 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.
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1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
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   - **C: Mathematical Foundations** (6 hrs)
     - Prefer **MAC 1105C College Algebra** (3 hrs)
     - Required **STA 2023 Statistical Methods I** (3 hrs)
   - **D: Social Foundations** (6 hrs)
   - **E: Science Foundations** (8 hrs)
     - Required **BSC 2010C Biology I** (4 hrs)
     - Required **CHM 2045C Chemistry Fundamentals I** (4 hrs)
2. Common Program Prerequisites (CPP) (25 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- BSC 2010C Biology I GEP
- STA 2023 Statistical Methods I GEP
- ZOO 2010 Human Anatomy 4 hrs
- MCB 3733C General Microbiology 5 hrs
- 3020C
- 1 PCB 3703C Human Physiology 4 hrs

Take all of the following: 4 hrs
- CHM 2045C Chemistry Fundamentals I
- CHM 2046 Chemistry Fundamentals II
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Take all of the following: 8 hrs
- CHM 2210 Organic Chemistry I
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Laboratory Techniques I 2 hrs

1. See Transfer Notes

3. Core Requirements: Basic Level
■ None

4. Core Requirements: Advanced Level (64 hrs)
- MLS 3220C Techniques in Clinical Microscopy 3 hrs
- MLS 4025 Advanced Clinical Chemistry I 3 hrs
- MLS 4030 Advanced Clinical Chemistry II 3 hrs
- PCB 3233 Immunology 3 hrs
- MLS 4430C Clinical Parasitology 2 hrs
- MLS 3305 Hematology 3 hrs
- MLS 4505C Immunodiagnostic 3 hrs
- MLS 4910 Introduction to Clinical Research 1 hr
- MLS 4550 Clinical Immunohematology 4 hrs
- MLS 4460C Clinical Pathogenic Microbiology 5 hrs
- MLS 4334 Hemostasis 3 hrs
- MLS 4625L Advanced Clinical Chem I Lab 1 hr
- PCB 3233L Immunology Laboratory 1 hr
- MLS 3305L Hematology Lab 1 hr
- MLS 4933 Medical Technology Seminar 2 hrs
- MLS 3705 Concepts in Education/Management 3 hrs
- MLS 4530C Interpretive & Practical Clinical Chemistry 4 hrs
- MLS 4831C Interpretive & Practical Immunohematology 4 hrs
- MLS 4832C Interpretive & Practical Hematology 4 hrs
- MLS 4833C Diagnostic Microbiology 4 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

5. Restricted Electives
■ None

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
■ None

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

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

Total Semester Hours Required
■ 126

Honors In Major
■ None

Related Programs
■ Biomedical Sciences
■ Biology
■ Chemistry

Certificates
■ None

Related Minors
■ Biomedical Sciences
■ Biology
■ Chemistry

Advising Notes
■ None

Transfer Notes
■ Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses
Human Anatomy and Physiology I and II (BSC 2093/BSC 2094) 8 hrs
MB 3020C General Microbiology 5 hrs
may be substituted with: MCB 2010C

Plan of Study
Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2094 College Algebra 3 hrs
- MAC 2094C Fundamentals of Oral Communication 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CGS 1060C Introduction to Computer Science 3 hrs

Sophomore Year - Fall 16 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- ZOO 3733C Human Anatomy 4 hrs
- Select 1: 3 hrs
- POS 2041 American National Government or 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

Take all of the following:
■ Select 1: 3 hrs
- ELH 2001 Western Civilization I or 3 hrs
- HUM 2211 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Sophomore Year - Spring 17 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3703C Human Physiology 4 hrs
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.

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) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
■ Completion of intermediate level of proficiency.
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
■ None

4. Core Requirements: Advanced Level (39 hrs)
First Language (French, German or Spanish) 24 hrs
Composition (Select One) 3 hrs
1 SPN 3420 Spanish Composition or
1 FRE 3420 French Composition or
1 FRE 4422 Advanced French Composition or
1 GER 3420 Intensive German Composition

Oral Communication (Select One) 3 hrs
1 SPN 3760 Advanced Spanish Oral Communication or
1 FRE 3760 Advanced French Oral Communication or
1 FRE 4421 Advanced French Conversation or
1 GER 3760 Advanced German Oral Communication

Literature (select one sequence) 3 hrs
SPW 3100 Survey of Spanish Literature I and
SPW 3101 Survey of Spanish Literature II or
SPW 3130 Survey of Latin-American Literature I and
SPW 3131 Survey of Latin-American Literature II or
FRW 3100 Survey of French Literature I and
FRW 3101 Survey of French Literature II or
GEW 3101 Survey of German Literature I and
GEW 3100 Survey of German Literature I 3 hrs

1 A native or near-native speaker must substitute an alternate upper division course in consultation with a departmental advisor.

Second Language (French, German, Spanish or Italian) 15 hrs
Communication (Select One) 3 hrs
SPN 3420 Spanish Composition or
FRE 3420 French Composition or
GER 3420 Intensive German Composition or
ITA 3420 Italian Composition

Advanced Oral Communication (select one) 3 hrs
SPN 3760 Advanced Spanish Oral Communication or
FRE 3760 Advanced French Oral Communication or
GER 3760 Advanced German Oral Communication or
ITA 3760 Advanced Italian 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

Equipment Fees
■ Part-Time Student: $39 per term
■ Full-Time Student: $78 per term
UCF Degree Programs

5. Restricted Electives

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 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- French
- Spanish

Certificates
- None

Related Minors
- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 16 hrs
- ENC 1102 Composition I 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- CPP 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.

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- CPP 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.

Sophomore Year - Fall 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- CP 3 hrs
- FRE 1120C Elementary French Language and Civilization I 4 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Sophomore Year - Spring 15 hrs
- GEP 3 hrs
- CPP 3 hrs
- Restricted Elective 2 hrs
- Restricted Elective 3 hrs
- FRE 1121C Elementary French Language and Civilization II 4 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Junior Year - Fall 15 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- FRE 2200 Intermediate French Language and Civilization I 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Junior Year - Spring 15 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Senior Year - Fall 15 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Senior Year - Spring 12 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
Music (B.A.)

College of Arts and Humanities
Department of Music, Performing Arts Center,
Room: M203
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.
■ 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 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) (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
   MUX XXXX Ensembles 4 hrs
   MVX XXXX Performance 4 hrs

3. Core Requirements: Basic Level (6 hrs)
   MUS 1010 Music Forum 0 hrs
   MUL 2014 Introduction to Music History and Literature 3 hrs
   MUS 2360C Introduction to Music Technology 3 hrs
   1 (4 semesters)
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-Music (15 hrs)
   ■ Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)
   Choose one MUT 3XXX or MUT 4XXX course 3 hrs
   Restricted Electives-Non-Music (18 hrs)
   ■ Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements
   MUS 4900 Music BA Capstone Project 3 hrs

7. Foreign Language Requirements
Admissions
■ Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
■ Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   Select primarily from upper-level courses

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    ■ Earn a grade of “C” (2.0) or better in each Music course

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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

17 hrs

- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- GEP E.1. Science Foundation 3 hrs

1 (GEP A.1.)

Freshman Year - Spring

14 hrs

- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs

1 (GEP A.3.)

Sophomore Year - Fall

16 hrs

- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Ensemble 1 hr
- XXX 1120 Foreign Language 4 hrs

Sophomore Year - Spring

16 hrs

- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MVK 2121 Class Piano IV 1 hr
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Ensemble 1 hr
- XXX 1120 Foreign Language 4 hrs

Junior Year - Fall

15 hrs

- MUH 3211 Music History and Literature I 3 hrs
- GEP B.2. Cultural & Historical Foundation 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- 3XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Junior Year - Spring

15 hrs

- MUH 3212 Music History and Literature II 3 hrs
- Elective 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Fall

15 hrs

- GEP D.1. Social Foundation 3 hrs
- 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

12 hrs

- MUS 4990 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.oetas.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.cah.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 Musicanship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0
- This review is a pre-requisite for Performance level III.

Degree Requirements

- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

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

- (See General Education program for detailed information)

A: Communication Foundations (9 hrs)

- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
- Communication

Take all of the following:

- Required ENC 1101 Composition I and
- Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Required MUL 2016 Evolution of Jazz 3 hrs
- Select one course from 1.B.1 list 3 hrs
- Select one course from 1.B.1 list or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

- 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)

2. Common Program Prerequisites (CPP) (24 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- MUL 1121 Music Theory and Musicanship I 4 hrs
- MUL 1122 Music Theory and Musicanship II 4 hrs
- MUL 2126 Music Theory and Musicanship III 4 hrs
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 2127</td>
<td>Music Theory and Musicianship IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 MUN 3713</td>
<td>Jazz Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1112</td>
<td>Class Piano II</td>
<td>1 hr</td>
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<tr>
<td>MVK 2121</td>
<td>Class Piano III</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 2122</td>
<td>Class Piano IV</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

1. Four semesters for total 4 hrs

3. Core Requirements: Basic Level (6 hrs)
   - MUL 2014 Introduction to Music History and Literature | 3 hrs
   - MUS 2360C Introduction to Music Technology | 3 hrs
   - 1 MUS 1010 Music Forum | 0 hrs
   - MUL 2016 Evolution of Jazz | GE

4. Core Requirements: Advanced Level (27 hrs)
   - MUT 3170 Jazz Theory I | 3 hrs
   - MUS 3711 Jazz Theory II | 3 hrs
   - 1 MUT 3923 Jazz Workshop | 3 hrs
   - MUS 4320 Music Business and Industry | 3 hrs
   - MUH 4814 Jazz Styles and Analysis | 3 hrs
   - MUS 3953 Recital Performance I | 0 hrs
   - MUS 4954 Recital Performance II | 0 hrs
   - Select 1:
     - MUH 3211 Music History and Literature I or | 3 hrs
     - MUH 3212 Music History and Literature II | 3 hrs

1. Four semesters for total 12 hrs

Specialty Requirements (Choose one): 27 hrs
   - All courses are taken for two semesters each except restricted elective courses

   **Trumpet**
   - MVV 1411 Trumpet I and | 2 hrs
   - MVV 2421 Trumpet II and | 2 hrs
   - MVV 3431 Trumpet III and | 2 hrs
   - MVV 4441 Trumpet IV and | 4 hrs
   - Restricted Electives | 5 hrs

   **Trombone**
   - MVV 1413 Trombone I and | 2 hrs
   - MVV 2423 Trombone II and | 2 hrs
   - MVV 3433 Trombone III and | 2 hrs
   - MVV 4443 Trombone IV and | 4 hrs
   - Restricted Electives | 5 hrs

   **Saxophone**
   - MVV 1415 Saxophone I and | 2 hrs
   - MVV 2425 Saxophone II and | 2 hrs
   - MVV 3435 Saxophone III and | 2 hrs
   - MVV 4445 Saxophone IV and | 4 hrs
   - Restricted Electives | 5 hrs

   **Jazz Piano**
   - MVV 1010 Jazz Piano I and | 2 hrs
   - MVV 2220 Jazz Piano II and | 2 hrs
   - MVV 3230 Jazz Piano III and | 3 hrs
   - MVV 4240 Jazz Piano IV and | 4 hrs
   - MVK 1211 Secondary Piano and | 1 hr
   - Restricted Electives | 3 hrs

   **Jazz Bass**
   - MVV 1214 Jazz Bass I and | 2 hrs
   - MVV 2224 Jazz Bass II and | 2 hrs
   - MVV 3234 Jazz Bass III and | 3 hrs
   - MVV 4244 Jazz Bass IV and | 4 hrs
   - MVS 1214 Secondary Bass and | 1 hr
   - Restricted Electives | 3 hrs

   **Jazz Guitar**
   - MVV 1213 Jazz Guitar I and | 2 hrs
   - MVV 2223 Jazz Guitar II and | 2 hrs
   - MVV 3233 Jazz Guitar III and | 3 hrs
   - MVV 4243 Jazz Guitar IV and | 4 hrs
   - MVS 1216 Secondary Guitar and | 1 hr
   - Restricted Electives | 3 hrs

   **Jazz Drum Set**
   - MVV 1220 Jazz Drum Set I and | 2 hrs
   - MVV 2223 Jazz Drum Set II and | 2 hrs
   - MVV 3223 Jazz Drum Set III and | 3 hrs
   - MVV 4249 Jazz Drum Set IV and | 4 hrs
   - MVP 1211 Secondary Percussion and | 1 hr
   - Restricted Electives | 3 hrs

5. Restricted Electives
   - Any secondary performance course not in area of major instrument
   - Any MUC, MUE, MUG, MUH, MUL, MUN, MUNO, MUS, MUT, MVX courses numbered 3000 or higher.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None

8. Electives
   - Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each Music course
    - Computer Competency met by the following course, or departmental examination:
      - MUS 2360C Introduction to Music Technology | 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120

Honor In Major
- None

Related Programs
- Music Education
- Music
- Theatre

Certificates
- None

Related Minors
- Music
- Theatre
- Digital Media

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Program A: Jazz Trumpet, Trombone, Saxophone

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I | 3 hrs
- MUT 1121 Music Theory and Musicianship I | 4 hrs
- MUN 3713 Jazz Lab | 1 hr
- MVK 1111 Class Piano I | 1 hr
- MUS 1010 Music Forum | 0 hrs
- MUL 2014 Introduction to Music History and Literature | 3 hrs
- MVX 141X Performance I | 2 hrs

Freshman Year - Spring 17 hrs
- ENC 1102 Composition II | 3 hrs
- MUT 1122 Music Theory and Musicianship II | 4 hrs
**UCF Degree Programs**

**Freshman Year - Spring 17 hrs**
- MUC 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 1010 Jazz Lab 1 hr
- MUS 2360C Jazz Lab 0 hrs
- MVX 2424X Performance II 2 hrs

**Sophomore Year - Fall 17 hrs**
- MUC 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 1010 Jazz Lab 1 hr
- MUS 2360C Jazz Lab 0 hrs
- MVX 2424X Performance II 2 hrs

**Junior Year - Fall 17 hrs**
- MUC 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 1010 Jazz Lab 1 hr
- MUS 2360C Jazz Lab 0 hrs
- MVX 2424X Performance II 2 hrs

**Senior Year - Fall 16 hrs**
- MUC 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 1010 Jazz Lab 1 hr
- MUS 2360C Jazz Lab 0 hrs
- MVX 2424X Performance II 2 hrs

**Sophomore Year - Fall 17 hrs**
- MUC 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 1010 Jazz Lab 1 hr
- MUS 2360C Jazz Lab 0 hrs
- MVX 2424X Performance II 2 hrs

**Junior Year - Fall 17 hrs**
- MUC 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 1010 Jazz Lab 1 hr
- MUS 2360C Jazz Lab 0 hrs
- MVX 2424X Performance II 2 hrs

**Senior Year - Fall 16 hrs**
- MUC 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 1010 Jazz Lab 1 hr
- MUS 2360C Jazz Lab 0 hrs
- MVX 2424X Performance II 2 hrs

**Sophomore Year - Spring 17 hrs**
- MUC 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 1010 Jazz Lab 1 hr
- MUS 2360C Jazz Lab 0 hrs
- MVX 2424X Performance II 2 hrs

**Junior Year - Spring 13 hrs**
- MUC 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 1010 Jazz Lab 1 hr
- MUS 2360C Jazz Lab 0 hrs
- MVX 2424X Performance II 2 hrs

**Senior Year - Spring 13 hrs**
- MUC 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 1010 Jazz Lab 1 hr
- MUS 2360C Jazz Lab 0 hrs
- MVX 2424X Performance II 2 hrs

**Freshman Year - Fall 15 hrs**
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music History and Literature I 4 hrs
- MUS 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 2360C Jazz Lab 0 hrs

**Sophomore Year - Fall 17 hrs**
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music History and Literature II 4 hrs
- MUS 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 2360C Jazz Lab 0 hrs

**Junior Year - Fall 17 hrs**
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music History and Literature II 4 hrs
- MUS 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 2360C Jazz Lab 0 hrs

**Senior Year - Fall 17 hrs**
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music History and Literature II 4 hrs
- MUS 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 2360C Jazz Lab 0 hrs

**Sophomore Year - Spring 15 hrs**
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music History and Literature II 4 hrs
- MUS 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 2360C Jazz Lab 0 hrs

**Junior Year - Spring 15 hrs**
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music History and Literature II 4 hrs
- MUS 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 2360C Jazz Lab 0 hrs

**Senior Year - Spring 13 hrs**
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music History and Literature II 4 hrs
- MUS 3111 Jazz Lab 1 hr
- MUC 1121 Music History and Literature I 3 hrs
- MUS 2360C Jazz Lab 0 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Music - Music Composition Track (B.M.)**

**College of Arts and Humanities**

**Department of Music, Colbourn Hall, Room: 205**

**E-mail: musicaud@mail.ucf.edu**

K. 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](http://www.music.ucf.edu/admissionsauditions.php) to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.
Professional Sequence Entrance Review
- Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:
  - Approval of composition portfolio
  - Completion of Composition I and II
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUS 2112, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Composition level III.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music department.
- Composition students must present one faculty-approved public recital.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

1. UCF General Education Program (GEP) (36 hrs)
   - (see General Education program for detailed information)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (6 hrs)
- Required MUH 3212 Music History and Literature II 3 hrs
- Select one course from 1.B.1 list 3 hrs
- Select one course from 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1080C Basic Statistics Using Microsoft Excel 3 hrs
- \[ \text{(may substitute a higher level math)} \]

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

MUT 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
MKV 1111 Class Piano I 1 hr
MKV 1112 Class Piano II 1 hr
MKV 2122 Class Piano III 1 hr
MKV 2122 Class Piano IV 1 hr
MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3483
MUS 141X Performance I (two semesters) 4 hrs
MUS 242X Performance II (two semesters) 4 hrs

3. Core Requirements: Basic Level (20 hrs)

MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUC 1101C Composition I 2 hrs
MUC 2104C Composition II 2 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II GEP 3 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483) 36 hrs

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:
- MUC 3105C Composition III 3 hrs
- MUC 4106C Composition IV 4 hrs
- MUT 4401 Counterpoint 3 hrs
- MUT 4311 Orchestration 3 hrs
- MUC 4950 Composition Recital 0 hrs
- One course selected from MUC/MUH/MUS/MUT, 3000 level or above
- Two semesters for total 6 hrs
- 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, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

Special Non-Course Requirements: Major Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble Directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Special Non-Course Requirements: Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 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 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
- Music
- Theatre
# UCF Degree Programs

## Music - Music Performance Track (B.M.)

### College of Arts and Humanities

#### Department of Music, Performing Arts Center,
Room: M203

http://www.music.cah.ucf.edu/

E-mail: musicaud@mail.ucf.edu

Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

http://www.music.ucf.edu/

http://www.dean.ucf.edu/alc/academic_learning_compacts.htm

### 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
  - MUS 2127 - Music Theory and Musicianship IV

### Degree Requirements

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

### 1. UCF General Education Program (GEP)

- (See General Education program for detailed information)

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<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
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<tr>
<td>Prefer</td>
<td>SPC 1608 - Fundamentals of Oral Communication</td>
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<td>Communication</td>
</tr>
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</table>

### Take all of the following:

- Required | ENC 1101 - Composition I | 3 hrs |
- Required | ENC 1102 - Composition II | 3 hrs |

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## Certificates
- None

## Related Minors
- Music
- Digital Media
- Theatre

## Advising Notes
- None

## Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study (120 hrs)

#### Freshman Year - Fall

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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<tr>
<td>MUT 4106C</td>
<td>Composition IV</td>
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<tr>
<td>MVK 1111</td>
<td>Music History and Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MUN XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 141X</td>
<td>Performance I</td>
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#### Freshman Year - Spring

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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<td>MUT 4106C</td>
<td>Composition IV</td>
<td>4 hrs</td>
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<tr>
<td>MVK 1111</td>
<td>Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MUX XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
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<td>MVX 141X</td>
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#### Sophomore Year - Fall

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<tbody>
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<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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<tr>
<td>MUT 2128</td>
<td>Music History and Literature II</td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<td>MUX XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 242X</td>
<td>Performance II</td>
<td>2 hrs</td>
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#### Sophomore Year - Spring

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<thead>
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<th>Course Name</th>
<th>Hours</th>
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<tr>
<td>MUS 2360C</td>
<td>Composition II</td>
<td>3 hrs</td>
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<tr>
<td>MUS 2127</td>
<td>Music Theory and Musicianship IV</td>
<td>4 hrs</td>
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<tr>
<td>MUS 2104</td>
<td>Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MUX XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 242X</td>
<td>Performance II</td>
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#### Junior Year - Fall

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<tbody>
<tr>
<td>MUS 3105C</td>
<td>Composition III</td>
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<tr>
<td>MUS 1010</td>
<td>Music Ensemble</td>
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<tr>
<td>MUX XXXX</td>
<td>Major Ensemble</td>
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<td>MVX 34XXX</td>
<td>Restricted Electives</td>
<td>3 hrs</td>
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#### Junior Year - Spring

<table>
<thead>
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<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td>MUT 4106C</td>
<td>Composition IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 4106C</td>
<td>Composition IV</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUX XXXX</td>
<td>Major Ensemble</td>
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#### Senior Year - Fall

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## Program Academic Learning Compacts

### Program Academic Learning Compacts (student learning outcomes)

For undergraduate programs are located at:

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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Theatre

Digital Media

Music

None
B: Cultural & Historical Foundations (9 hrs)
Required MUN 3212 Music History and Literature II 3 hrs
Select one course from 1.B.1 list 3 hrs
Select one course from 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
1. Prefer MGF 1106 Finite Mathematics 3 hrs
2. Prefer STA 1000C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)

3. Core Requirements: Basic Level (6 hrs)

4. Core Requirements: Advanced Level (24 hrs)

5. Restricted Electives

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

Total Semester Hours Required 120
UCF Degree Programs

Related Programs:
- Music Education
- Music
- Theatre - Musical Theatre Track

Certificates:
- None

Related Minors:
- Music
- Theatre
- Digital Media

Advising Notes:
- None

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses:
- None

Plan of Study:

Program A: Strings, Woodwinds, Brass

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVP 2421 Percussion II 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MVX 141X Performance I 2 hrs
- Science Foundation 3 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- STA 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

Junior Year - Fall
- MUN XXXX Minor Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr

Program B: Percussion

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVP 2421 Percussion II 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUL 3463 Percussion Literature 2 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUK 3443 Percussion Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MVX 444X Performance IV 4 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUN XXXX Restricted Elective 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUK 3443 Percussion Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MVX 444X Performance IV 4 hrs

Program B: Percussion

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVP 2421 Percussion II 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUL 3463 Percussion Literature 2 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUK 3443 Percussion Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MVX 444X Performance IV 4 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUN XXXX Restricted Elective 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUK 3443 Percussion Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MVX 444X Performance IV 4 hrs

Junior Year - Fall
- MUN XXXX Minor Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr

Program B: Percussion

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVP 2421 Percussion II 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUL 3463 Percussion Literature 2 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUK 3443 Percussion Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MVX 444X Performance IV 4 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUN XXXX Restricted Elective 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUK 3443 Percussion Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MVX 444X Performance IV 4 hrs

Junior Year - Fall
- MUN XXXX Minor Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr
### Undergraduate Catalog 2011-2012

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## UCF Degree Programs

### Program E: Voice

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- MUF 1260 Music Theory and Musicianship I 4 hrs
- MUS 1290 IPA for Singers 1 hr
- MUS 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVV 1411 Voice I 2 hrs
- MUN XXXX Major Ensemble 1 hr

**Freshman Year - Spring**
- ENC 1102 Composition II 3 hrs
- MUF 1260 Music Theory and Musicianship II 4 hrs
- MUS 3255 German and English Lyric Diction 2 hrs
- MUS 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2390C Introduction to Music Technology 3 hrs
- MVV 1411 Voice I 2 hrs
- MUN XXXX Major Ensemble 1 hr

**Sophomore Year - Fall**
- MGF 1106 Finite Mathematics 3 hrs
- MUF 2126 Music Theory and Musicianship III 4 hrs
- MUS 3254 Italian and French Lyric Diction 2 hrs
- MVK 2121 Class Piano III 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- MVV 2421 Voice II 2 hrs
- MUN XXXX Major Ensemble 1 hr

**Sophomore Year - Spring**
- MUF 2127 Music Theory and Musicianship IV 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MVK 2122 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MVV 2421 Voice II 2 hrs
- Cultural & Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr

**Junior Year - Fall**
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 4571 Analysis of Twentieth-Century Music 3 hrs
- MVV 3431 Voice III 2 hrs
- XXX 1120 Foreign Language 4 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr

**Junior Year - Spring**
- MUH 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MVV 3431 Voice III 2 hrs
- Cultural & Historical Foundation 3 hrs
- XXX 2121 Foreign Language 4 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr

**Senior Year - Fall**
- MVV 4640 Voice Pedagogy 2 hrs
- MUS 1010 Music Forum 0 hrs
- MVV 4441 Voice IV 4 hrs
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr

**Senior Year - Spring**
- MUL 3602 Song Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- MVV 4441 Voice IV 4 hrs
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

---

### Music Education (B.M.E.)

**College of Arts and Humanities**

**Department of Music, Colbourn Hall, Room: 205A**


**E-mail:** musicaud@mail.ucf.edu

A. Holcomb, aholcomb@mail.ucf.edu, 407-823-4180

### Admission Requirements

#### Admission Requirements - Music Education

- **Audition.** To be accepted into Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string bass, or timpani for these auditions.

The audition will serve as a placement exam for accepted candidates.

- Refer to the UCF Music Department website for specific audition requirements.

- Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.

- **Interview.** In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

### Admission Requirements - Professional Program

Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:

- Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.

- Have a minimum overall GPA of 2.5 and a grade of "C" (2.0) or better in each performance, education, and music education course.

- Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.

- Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

**To be accepted into the Music Education Professional Program students must:**

- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).

- Complete MVK 2122, MUT 2126, and two semesters of Performance II.

### Notes:

- (1) Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.

- (2) Students who change degree programs and select this major must adopt the most current catalog.

- (3) Common program prerequisites are subject to revision based on changes Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs.

### Degree Requirements

- None
1. UCF General Education Program (GEP) (36 hrs)
   (See General Education Program for detailed information)

A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication

Take all of the following: 6 hrs
   Required ENC 1101 Composition I and
   Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   Required MUIH 3212 Music History and Literature II 3 hrs
   Required AMM 2010 U.S. History: 1492-1877 3 hrs
   Required AMM 2520 U.S. History: 1877-Present 3 hrs

C: Mathematical Foundations (6 hrs)
   1. Mathematical Foundations
      Prefer MGF 1106 Finite Mathematics
      Prefer STA 1000C Basic Statistics Using Microsoft Excel

1. (may substitute a higher level math)

D: Social Foundations (6 hrs)
   Prefer POS 2041 American National Government
   Prefer PSY 2012 General Psychology

E: Science Foundations (6 hrs)
   Prefer PSC 1121 Physical Science

2. Common Program Prerequisites (CPP) (38 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   EDF 2005 Introduction to the Teaching Profession 3 hrs
   EME 2040 Introduction to Technology for Educators 3 hrs
   EDF 2085 Introduction to Diversity for Educators 3 hrs
   MUT 1121 Music Theory and Musicianship I 4 hrs
   MUT 1122 Music Theory and Musicianship II 4 hrs
   MUT 2126 Music Theory and Musicianship III 4 hrs
   MUT 2127 Music Theory and Musicianship IV 4 hrs

   MVK 2122 Class Piano IV 1 hr
   1. MUS 1010 Music Forum 0 hrs
   MUIH 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)
   1. MUS 1010 Music Forum CPP
   MUT 1121 Music Theory and Musicianship I CPP
   MUT 2126 Music Theory and Musicianship II CPP
   MUT 2127 Music Theory and Musicianship IV CPP
   MVK 2122 Class Piano IV CPP
   MUIH 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 (20 hrs)
   MUG 3104 Basic Conducting 2 hrs
   MUH 3211 Music History and Literature I 3 hrs
   MUH 3212 Music History and Literature II GEP
   MUE 3942 Music Internship I 3 hrs

Music Education Prerequisites - Advanced 17 hrs
   MUG 3104 Basic Conducting and
   MUH 3211 Music History and Literature I and
   MUH 3212 Music History and Literature II and
   ESE 3940 Internship I - Secondary and
   MUE 4311 Elementary School Music Methods and
   MUE 3333 Music Learning Theory and Assessment and
   MVX 343X Performance III (2 Semesters) 4 hrs

Education Core 12 hrs
   EDS 4410 Teaching Strategies and Classroom Management and
   TSL 4080 Theory and Practice of Teaching ESOL Students in Schools and

EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

5. Restricted Electives (26 hrs)
   Music Education Specialty Area Courses and Professional Program Courses
   Complete one program

Program A - Instrumental
   MUE 2346 Vocal Techniques 1 hr
   MUG 3302 Instrumental Conducting and Materials 1 hr
   MUE 4332 Secondary Instrumental Methods I 3 hrs
   ESE 4943 Internship II - Secondary 7 hrs
   MUE 4394 Seminar in Music Teaching 1 hr

Select 1: 3 hrs
   MUE 4335 Secondary Choral Methods II or
   MUE 4441 String Methods 3 hrs

Select 5: 5 hrs
   MUE 2450 Woodwind Techniques I or
   MUE 3451 Woodwind Techniques II or
   MUE 2460 Brass Techniques or
   MUE 3461 Brass Techniques II or
   MUE 2470 Percussion Techniques or
   MUE 2471 Percussion Techniques II or
   MUE 3461 Brass Techniques II 1 hr

Program B - Choral
   MUS 1250 IPA for Singers 1 hr
   MUG 3202 Choral Conducting and Materials 1 hr
   MVV 6460 Voice Pedagogy 2 hrs
   MUE 4331 Secondary Choral Methods I 3 hrs
   MUE 4337 Secondary Instrumental Methods II 3 hrs
   MUE 4394 Seminar in Music Teaching 1 hr
   ESE 4943 Internship II - Secondary 7 hrs
   MUE 4943 Music Internship II 12 hrs
   MUE 4335 Secondary Choral Methods II 3 hrs

Select 3: 3 hrs
   MUE 2450 Woodwind Techniques I or
   MUE 3451 Woodwind Techniques II or
   MUE 2460 Brass Techniques or
   MUE 3461 Brass Techniques II or
   MUE 2470 Percussion Techniques or
   MUE 2471 Percussion Techniques II or
   MUE 2440 String Techniques 1 hr

Program C - Elementary School
   MUE 2346 Vocal Techniques 1 hr
   MUE 4393 Music and Students with Special Needs 2 hrs
   MUE 3333 General Music Literature and Techniques 2 hrs
   MUE 4331 Secondary Choral Methods I 3 hrs
   MUE 4394 Seminar in Music Teaching 1 hr
   ESE 4943 Internship II - Secondary 7 hrs

Select 4: 4 hrs
   MUE 2450 Woodwind Techniques I or
   MUE 3451 Woodwind Techniques II or
   MUE 2460 Brass Techniques or
   MUE 3461 Brass Techniques II or
   MUE 2470 Percussion Techniques or
   MUE 2471 Percussion Techniques II or
   MUE 2440 String Techniques 1 hr
   MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
UCF Degree Programs

Graduation
- None

8. Electives
- None

9. Additional Requirements
Admission to Internship I will be granted to students who meet the following requirements:
- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a “C” or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 4394) and Internship II (ES 4943).
- Possess minimum professional preparation GPA of 2.5.
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.
Admission to Internship II will be granted to students who meet the following requirements:
- Completion of all admission requirements for Internship I (see above).
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
- Completion of all music methods and techniques courses.
- Completion of all General Education and Common Program courses.
- Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements
- Note: Contact the Music Education Advisor for details.
- Students should register to take the General Knowledge Test of the Florida Teacher Certification Examination (FTCE) before the third semester of enrollment at UCF. (See http://www.fl.nesinc.com/ for test information).
- Electronic Portfolio. Students will develop an electronic portfolio while enrolled in upper division education courses and internship. The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.

- Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.

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 a variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors
- None

11. Departmental Exit Requirements
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following: MUE 3693 Technology in Music Education 2 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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
- Theatre
- Music

Certificates
- Florida Teaching Certification: Music K-12

Related Minors
- Music
- Theatre

Advising Notes
- Consult with the music education advisor for course selection

Transfer Notes
- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Note: Contact the Music Education Advisor for details.

Courses taken at community colleges do not substitute for Upper Division courses.

None

Honors In Major
- None

Transfer Notes
- Consult with the music education advisor for course selection

Undergraduate Catalog 2011-2012
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<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
## UCF Degree Programs

### Freshman Year - Fall
- **MUS 1010**  Music Forum  0 hrs
- **MUG 3104**  Basic Conducting  2 hrs
- **MUE 4331**  Secondary Choral Methods I  3 hrs
- **EDG 4323**  Professional Teaching Practices  3 hrs
- **EDF 4603**  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
- **MVV 4640**  Voice Pedagogy  2 hrs
- **MVX 343X**  Performance III  2 hrs
- **MUN XXXX**  Ensemble  1 hr

### Sophomore Year - Fall
- **MUS 1010**  Music Forum  0 hrs
- **MUT 1126**  Music Theory and Musicianship II  4 hrs
- **MVK 2121**  Class Piano I  1 hr
- **MUH 3211**  Music History and Literature I  3 hrs
- **GEP**  3 hrs
- **MUE XXXX**  Techniques  2 hrs
- **MVX 242X**  Performance II  2 hrs
- **MUN XXXX**  Ensemble  1 hr

### Junior Year - Fall
- **MUS 1010**  Music Forum  0 hrs
- **MUG 3104**  Basic Conducting  2 hrs
- **MUE 4331**  Secondary Choral Methods I  3 hrs
- **EDG 4323**  Professional Teaching Practices  3 hrs
- **MVK 2121**  Class Piano I  1 hr
- **MUH 3211**  Music History and Literature I  3 hrs
- **GEP**  3 hrs
- **MUE XXXX**  Techniques  2 hrs
- **MVX 242X**  Performance II  2 hrs
- **MUN XXXX**  Ensemble  1 hr

### Senior Year - Fall
- **ESE 3943**  Internship I - Secondary  3 hrs
- **MUE 3333**  Music Learning Theory and Assessment  3 hrs
- **Select 1:**
  - **MUE 4331**  Secondary Choral Methods I  3 hrs
  - **MUH 3211**  Music History and Literature I  3 hrs

### Senior Year - Spring
- **ESE 4943**  Internship II - Secondary  7 hrs
- **MUE 4394**  Seminar in Music Teaching  1 hr
- **MUE 4943**  Music Internship I  12 hrs
- **GEP**  3 hrs

### Senior Year - Summer
- **Remaining 3 GEP courses taken as part of 9 required summer hours**

### Program C - Elementary Program

#### Freshman Year - Fall
- **EDF 2005**  Introduction to the Teaching Profession  3 hrs
- **MUT 1121**  Music Theory and Musicianship I  4 hrs
- **MUE 4331**  Secondary Choral Methods I  3 hrs
- **MVK 2121**  Class Piano I  1 hr
- **MUH 3211**  Music History and Literature I  3 hrs
- **GEP**  3 hrs
- **MVX 141X**  Performance I  2 hrs
- **MUN XXXX**  Ensemble  1 hr

#### Sophomore Year - Fall
- **MUS 1010**  Music Forum  0 hrs
- **MUT 1126**  Music Theory and Musicianship II  4 hrs
- **MVK 2121**  Class Piano I  1 hr
- **MUH 3211**  Music History and Literature I  3 hrs
- **GEP**  3 hrs
- **MUE XXXX**  Techniques  2 hrs
- **MVX 242X**  Performance II  2 hrs
- **MUN XXXX**  Ensemble  1 hr

#### Junior Year - Fall
- **MUS 1010**  Music Forum  0 hrs
- **MUG 3104**  Basic Conducting  2 hrs
- **MUE 4331**  Secondary Choral Methods I  3 hrs
- **EDG 4323**  Professional Teaching Practices  3 hrs
- **MVK 2121**  Class Piano I  1 hr
- **MUH 3211**  Music History and Literature I  3 hrs
- **GEP**  3 hrs
- **MUE XXXX**  Techniques  2 hrs
- **MVX 242X**  Performance II  2 hrs
- **MUN XXXX**  Ensemble  1 hr

#### Senior Year - Fall
- **ESE 3943**  Internship I - Secondary  3 hrs
- **MUE 3333**  Music Learning Theory and Assessment  3 hrs
- **Select 1:**
  - **MUE 4331**  Secondary Choral Methods I  3 hrs
  - **MUH 3211**  Music History and Literature I  3 hrs

#### Senior Year - Spring
- **ESE 4943**  Internship II - Secondary  7 hrs
- **MUE 4394**  Seminar in Music Teaching  1 hr
- **MUE 4943**  Music Internship I  12 hrs
- **GEP**  3 hrs

### Program Academic Learning Compacts
- **Program Academic Learning Compacts (student learning outcomes)** for undergraduate programs are located at:
  - [http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm](http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- **Part-Time Student:** $45 per term
- **Full-Time Student:** $90 per term
Nursing (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Herriges, Associate Dean, Undergraduate
Patricia L. Undergraduate Coordinator
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 are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline. This includes 3 courses from Group A, and the remainder from Groups A or B.

Group A
- A minimum of three courses, with a grade of C (2.0) or better.
- May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
  Microbiology with Lab 4 hrs
  Anatomy with Lab 4 hrs
  CHM 1032 General Chemistry 3 hrs
  Physiology with Lab 4 hrs
  or other approved Physical or Life Science

Group B
- A minimum of three courses, with grade of C (2.0) or better at time of application.
- All courses must be completed before program begins.
  Sociology 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 or community college A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities, and should be completed in the first 60 hours.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
1. Mathematics (3 hrs)
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.
   - Prefer MAC 1105C College Algebra 3 hrs

2. Statistics (3 hrs)
   - Required STA 2014C Principles of Statistics or
   - Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
1. Economics/Political Science (3 hrs)
   - Prefer ECO 2013 Principles of Macroeconomics or
   - Prefer ECO 2023 Principles of Microeconomics 3 hrs

2. Social Sciences (3 hrs)
   - Prefer PSY 2012 General Psychology 3 hrs
   - Prefer SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (8 hrs)
1. Physical Sciences (3 hrs)
   - Suggested CHM 1032 General Chemistry 3 hrs

2. Life Sciences (4 hrs)
   - Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information and possible substitutions.
- Some of these courses have prerequisites that must be taken first.
- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at http://www.nursing.ucf.edu

PSY 2012 General Psychology 3 hrs
SYG 2000 Introduction to Sociology 3 hrs
MCB 2004C Microbiology for Health Professionals 4 hrs
ZOO 3733C Human Anatomy 4 hrs
PCB 3703C Human Physiology 4 hrs
HUN 3011 Human Nutrition 3 hrs
CHM 1032 General Chemistry 3 hrs

Select 1:
- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I 3 hrs

Select 1:
- SOW 3104 Assessing I: Human Development or
- DEP 2004C Developmental Psychology 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (62 hrs)
- Any variation from the following must be approved in advance by the College of Nursing.
  - NUR 3065 Health Assessment 2 hrs
  - NUR 3065L Health Assessment Lab 1 hr

UCF Degree Programs
### Related Programs
- Health Services Administration
- Social Work

### Certificates
- Aging Studies

### Related Minors
- Psychology
- Health Sciences
- Health Services Administration

### Advising Notes
- None

### Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 1032: May substitute any college Chemistry course or approved Physical or Life Science course.
  - DEP 2004: May substitute any Human Growth & Development across Life Span
  - HUN 3011: May substitute any Human Nutrition course
  - MCB 2044C: May substitute any Microbiology course which has a lab.
  - PCB 3703C: May take Anatomy and Physiology sequence (AP I & II).
  - PSY 2012: May substitute any General Psychology course.
  - STA 2043C: May substitute STA2023 or equivalent.
  - SYG 2000: May substitute any Introductory Sociology course.
  - ZOO 3733C: May take Anatomy and Physiology sequence (AP I & II).

### Plan of Study

#### Freshman Year - Fall
- SYG 2000 Introduction to Sociology: 3 hrs
- MAC 1105C College Algebra: 3 hrs
- BSC 2010C Biology I: 4 hrs
- 3 GEP

#### Freshman Year - Spring
- PSY 2012 General Psychology: 3 hrs
- STA 2023 Statistical Methods I: 3 hrs
- CHM 1032 General Chemistry: 3 hrs
- 2 GEP
- 1 General Education or SLS 1501

#### Sophomore Year - Fall
- ZOO 3733C Human Anatomy: 4 hrs
- MCB 2004C Microbiology for Health Professionals: 4 hrs
- 3 GEP
- 3 hrs
- 2 General Education Course

#### Freshman Year - Summer
- 13 hrs

#### Sophomore Year - Fall
- HUN 3011 Human Nutrition: 3 hrs
- 3 hrs
- 3 hrs

#### Select 1:
- SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology: 3 hrs

#### Sophomore Year - Spring
- 3 hrs

#### Junior Year - Fall
- 15 hrs

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### UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
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</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3634L</td>
<td>Community Health Nursing Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
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<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
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<tr>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role</td>
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<tr>
<td>NUR 4535</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
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<tr>
<td>NUR 4637</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
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5. Restricted Electives (3 hrs)

### Nursing Electives
- One College of Nursing elective

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

### Graduation
- None

8. Electives
- None

9. Additional Requirements
- Students pursuing a BS degree must meet the University foreign language admission requirements before graduation.
- Mandatory Drug Screening is required prior to any clinical course and "on demand" for continuation in the program. Students must:
  - Complete all courses in major with at least a "C" (2.0).
  - Maintain a UCF GPA of 2.5 or above.
  - Maintain a College of Nursing GPA of 2.5 or above.

10. Required Minors
- None

11. Departmental Exit Requirements
- All courses in major must be "C" (2.0) or better.
- The UCF GPA must be 2.5 or above.
- The College of Nursing GPA must be 2.5 or above.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 48 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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 Requirements:
- 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.
Junior Year - Spring 16 hrs
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3145 Pharmacology for Nursing Practice 3 hrs
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs

Junior Year - Summer 6 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 12 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs
NUR XXXX Nursing Elective if needed 3 hrs

Senior Year - Spring 13 hrs
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 4538 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.oes.ucf.edu/acl/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - Concurrent A.S.N. to B.S.N. enrollment option (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu
407-823-2744

A partnership between selected State/Community Colleges and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements
- Acceptance to the University does not constitute admission to this program. Only students admitted to the State/Community Colleges Nursing Programs are eligible for this enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to the UCF College of Nursing. Students are accepted into this program during their first semester of nursing and must progress according to a designated plan of study.
- Students not yet admitted to UCF must apply and be accepted by the University prior to admission to the ASN program. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
- Criminal background checks and drug screening are required for all Concurrent students prior to their registering for the final practicum course (NUR 4604L).
- At the time of application, students must have:
  - A cumulative GPA of 3.0 or above.
  - Been accepted for enrollment and in good standing at the State/Community College ASN nursing program.
  - An AA degree from a Florida State/Community College or have met ALL UCF General Education requirements at time of application.
  - Met UCF Foreign Language admission requirement.

- Completed pre-requisite coursework for both the UCF and the ASN nursing programs.
- CLAS requirement satisfied.
- A satisfactory score on the standardized entry test required by both programs.

Degree Requirements
- Students who change programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida State/Community College or other university.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Select 1:
- Required STA 2014C Statistical Methods I or STA 2023 Statistical Methods I 3 hrs
- Preferred MAC 1105C College Algebra 3 hrs

Select 1:
- Prefer SYG 2000 Introduction to Sociology or SYG 2013 Sociology of Modern Man 3 hrs
- Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (7 hrs)

1 Required BSC 2010C General Biology I 4 hrs
2 Required CHM 1032 General Chemistry 3 hrs
3 Required CHM 1032L General Chemistry Laboratory 1 hr

Suggested
- 1 Science Foundation is six credit hours for General Education Program.
- This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
- or other Physical Science

2. Common Program Prerequisites (CPP) (18 hrs)
- Applicants should see a UCF Nursing Advisor for possible course substitutions.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:
- STP 2023 Statistical Methods I or STA 2014C Principles of Statistics 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Select 1: SOW 3104 Assessing I: Human Development or DEP 2004 Developmental Psychology 3 hrs
- Select 1: SYG 2012 General Psychology or SYG 2000 Introduction to Sociology or
- Select 1: PSY 2012 General Psychology or
UCF Degree Programs

1. Or other Physical or Life Science Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2. May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.
3. May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.
4. Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (52 hrs)
   - None

Core UCF Requirements 25 hrs
- NUR 3008 Professional Socialization Seminar 1 hr
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4804L Practicum in Community and Public Health Nursing for RNs 4 hrs

Upper Division Credit 27 hrs
- May be met by validation
- NUR 3026 Essentials of Nursing Practice 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445 Nursing Care of Families 3 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (6 hrs)
   - Any two upper division nursing electives 6 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
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Completion of all courses in major with a grade of "C" (2.0) or better
    - Overall Cumulative GPA of 2.5 or above
    - College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (31 hrs)
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to B.S.N. Program (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu

E-mail: ucfnurse@mail.ucf.edu
Stephen Heglund, RN to BSN Coordinator
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Jean Leuner, Dean
407-823-2744

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see http://distrib.ucf.edu/home.

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.

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 Degree Programs

### United States: University of Central Florida

#### Undergraduate Catalog 2011-2012

- **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)
     - **Select 1:** 3 hrs
       - STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
     - **D: Social Foundations** (6 hrs)
       - **Select 1:** 3 hrs
         - SYG 2000 Introduction to Sociology or PSY 2012 General Psychology

2. **Common Program Prerequisites (CPP)** (18 hrs)
   - **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Core Requirements: Basic Level**
   - **None**

4. **Core Requirements: Advanced Level** (51 hrs)
   - **UCF Core** 24 hrs
     - NUR 3805 Dimensions of Professional Nursing Practice
     - NUR 3085 Health Assessment
     - NUR 3085L Health Assessment Lab
     - NUR 3165 Nursing Research
     - NUR 3634 Community Health Nursing
   - **NUR 4837 Health Care Issues, Policy, and Economics** 3 hrs
   - **NUR 4604L Practicum in Community and Public Health Nursing for RNs** 4 hrs
   - **NUR 4828 Nursing Leadership, Management and Role Transition** 3 hrs
   - **NUR 4637 Public Health Nursing** 2 hrs

5. **Upper Division Credit** 27 hrs
   - **Upper Division Credit may be met by Validation.**
     - NUR 3028 Essentials of Nursing Practice 2 hrs
     - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
     - NUR 3028L Essentials of Nursing Practice Lab 1 hr
     - NUR 3225 Nursing Care of the Adult I 3 hrs
     - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
     - NUR 3445 Nursing Care of Families 3 hrs
     - NUR 3445L Nursing Care of Families Clinical 2 hrs
     - NUR 4227 Nursing Care of the Adult II 4 hrs
     - NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
     - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
     - NUR 4535L Psychiatric Mental Health Clinical 2 hrs

6. **5. Restricted Electives** (6 hrs)
   - Any two upper division nursing electives (NUR or NSP prefix)

7. **6. Capstone Requirements**
   - None

8. **7. Foreign Language Requirements**
   - None

9. **8. Electives**
   - variable to meet degree requirements

10. **9. Additional Requirements**
    - A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.
    - Complete all courses in major with at least a “C” (2.0).
    - Maintain a UCF GPA of 2.5 or above.
    - Maintain a College of Nursing GPA of 2.5 or above.

11. **Progression Requirements:**
    - Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
    - Prior to NUR 3634 Community Health Nursing: 1) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida public Community College or State University System (SUS); 3) complete Nursing prerequisites; 4) CLAS requirement satisfied; and 5) complete foreign language admission requirement

12. **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](http://www.nursing.ucf.edu).
    - A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

13. **10. Required Minors**
    - None

14. **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

15. **12. University Minimum Exit Requirements**
    - A 2.0 UCF GPA
    - 60 semester hours earned 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.
Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

2. Common Program Prerequisites (CPP) 
   None

3. Core Requirements: Basic Level
   HUM 2210 Humanistic Tradition I (3 hrs)
   HUM 2230 Humanistic Tradition II (3 hrs)
   PHI 2010 Introduction to Philosophy (3 hrs)

4. Core Requirements: Advanced Level (36 hrs)
   Core
   PHI 2010 Introduction to Philosophy (3 hrs)
   PHI 3083 Research Methods in Philosophy (3 hrs)
   PHI 4938 Senior Research Seminar (3 hrs)

1 May substitute a higher level math course.

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Philosophy (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Don Jones, donjones@mail.ucf.edu, 407-823-2273
Dr. Jennifer Mundale, jmundale@pegasus.cc.ucf.edu, 407-823-2273

Admission Requirements
- None
Being and Knowing 6 hrs
Select 2: 6 hrs
PHI 4500 Metaphysics or 3 hrs
PHI 4341 Ways of Knowing or 3 hrs
PHI 4300 Theories of Knowledge or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 4400 Philosophy of Science or 3 hrs
PHI 3320 Philosophy of Mind or 3 hrs
PHI 3451 Philosophy of Psychology or 3 hrs
PHI 4420 Philosophy of Social Science or 3 hrs
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
PHP 4782 Phenomenology or 3 hrs
PHI 4221 Philosophy of Language 3 hrs

Topics in Philosophy 3 hrs
Select 1: 3 hrs
- Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

Select primarily from upper level courses after meeting with a departmental advisor.

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a "C" (2.0) or better in each required course.
- Departmental Exit Exam in final semester.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

Computer Competency met by one of the following: 3 hrs
PHI 4970H Undergraduate Honors Thesis or 1 hr
PHI 4938 Senior Research Seminar or 3 hrs
STA 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 philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

Core Requirements 36 hrs
- Same requirements as for regular majors, but must include the following:
  PHI 2101 Formal Logic I 3 hrs

Upper Division Restricted Electives 6 hrs
- Same as requirement for regular majors

Honors Thesis
- PHI 4903H Honors Directed Reading I 1 hr
  PHI 4970H Undergraduate Honors Thesis 1 hr

Additional Requirements
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn an "A" (3.0) or better in both of the following courses:
  PHI 4903H Honors Directed Reading I 1 hr
  PHI 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- Humanities
- Humanities - Philosophy, Religion, & Popular Culture Track
- Religious Studies

Certificates
- None

Related Minors
- Cognitive Sciences
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies
- Women's Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 16 hrs
ENC 1101 Composition I 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PHI 2101 Introduction to Philosophy 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
HUM 2230 Humanistic Tradition II 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
Restricted Elective 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Fall 15 hrs
GEP 3 hrs
GEP 3 hrs
UCF Degree Programs

Photography (B.S.)
College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu
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:

   GEP 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs

Sophomore Year - Spring
15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall
15 hrs
- PHIL 3083 Research Methods in Philosophy 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
15 hrs
- PHIL 4938 Senior Research Seminar 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

A: Communication Foundations (9 hrs)
1 Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
SPC 2600 Speech (A.S.) 3 hrs

1 If not already completed as part of the A.S. degree, after acceptance into the program.

B: Cultural & Historical Foundations (6 hrs)
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 3 hrs acceptance into the program.

Required MAC 2206 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.)

E: Science Foundations (6 hrs)
Physical Science 3 hrs
Life Science 3 hrs

2. Common Program Prerequisites (CPP)
- (Included in A.S. or B.S. requirements.)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- Subject to change. Prerequisites have not been set by the state.

1 ARH 2051 History of Western Art II 3 hrs
2 PGY 3610C Photojournalism I 3 hrs
PGY 1403* Fundamentals of Photography (Already included in A.S. requirements)

1 Already included in A.S. requirements.
2 Already included in B.S. requirements.

3. Core Requirements: Basic Level (49 hrs)
- A.S. Required Courses:
- (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)

PGY 1115 Color Materials and Processes 7 hrs
PGY 1403 Fundamentals of Photography 4 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 1809 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 2593 Portfolio Workshop 4 hrs

4. Core Requirements: Advanced Level (36 hrs)
PGY 3002 Contempory Photography 3 hrs
PGY 4003 Image, Culture, and Society 3 hrs
PGY 3821C Advanced Digital Photography 3 hrs
PGY 4472C Photo Visualization 3 hrs
PGY 4428C Advanced Illustrative Photography 3 hrs
PGY 4471 Photography Thesis 3 hrs
PGY 3276 The Professional Environment 3 hrs
PGY 3205C Photographic Lighting Techniques 3 hrs
PGY 3651C Narrative Editorial Photography 3 hrs
PGY 3653C Advanced Editorial Photography 3 hrs
PGY 3703C Photography & the Web 3 hrs
PGY 3751C Videography 3 hrs
1 CRW 3011 Creative Writing for Non-Majors 3 hrs
1 ENC 3250 Professional Writing 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 4493C Photography and Art 3 hrs
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
407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
■ Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
■ Physics majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two-semester sequence has already been taken at the community college.
■ Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
■ AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

1. UCF General Education Program (GEP) (38 hrs)
■ Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
Prefer SPC 1603 Fundamentals of Technical Presentations

Take all of the following: (6 hrs)
Required ENC 1101 Composition I and
Required ENC 1102 Composition II (3 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I (4 hrs)
Required COP 3502C Computer Science I (3 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (20 hrs)

1. Physical Science; (4 hrs)
Required PHY 2048C Physics for Engineers & Scientists I (4 hrs)

2. Life sciences; (3 hrs)
Select from the E.2. GEP list. (3 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)
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
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs
UCF Degree Programs

Note: These courses are considered equivalent.

CHM 2045C Chemistry Fundamentals I 4 hrs

or - students with little chemistry background should select this sequence.
CHM 2040 Chemistry Fundamentals IA and
CHM 2041 Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic Level
■ Required of all specializations.
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
Phy 3220 Mechanics I 3 hrs
PHY 3513 Thermal and Statistical Physics 3 hrs
PHY 3323 Electricity and Magnetism I 3 hrs
PHY 4324 Electricity and Magnetism II 3 hrs
PHY 4604 Wave Mechanics I 3 hrs
PHY 4605 Wave Mechanics II 3 hrs
PHY 4912 Directed Independent Research (in area of specialization) 3 hrs

Laboratory requirements 6 hrs
PHY 3802L Intermediate Physics Laboratory 3 hrs
Select 1: 3 hrs
PHY 3752C Physics of Scientific Instruments or
PHY 3722C Physics Laboratory-Electronics 3 hrs

4. Core Requirements: Advanced Level
■ Select one specialization
4.1. General Physics Specialization 18 hrs
PHY 4803L Advanced Physics Laboratory 3 hrs
Restricted Electives: 6 hrs
Select from upper division PHY, PHZ, or AST courses 6 hrs
Directed Electives: 9 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2. Materials Physics Specialization 18 hrs
Select 1: 3 hrs
PHY 4803L Advanced Physics Laboratory or
EEE 5356C Fabrication of Solid-State Devices 3 hrs
Select 3: 9 hrs
EEE 3350 Semiconductor Devices I or
EGN 3365 Structure and Properties of Materials or
EMA 4413 Fundamentals of Electronic Materials or
CHM 3411L Physical Chemistry Laboratory or
PHZ 5405 Condensed Matter Physics or
EEE 5352 Semiconductor Material and Device Characterization 3 hrs
Directed Electives: 6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.3. Optics and Lasers Specialization 18 hrs
PHY 4424 Optics 3 hrs
Select 2: 6 hrs
EEL 4440 Optical Engineering or
PHY 4445 Lasers or
OSE 5203 Geometrical Optics and Imaging Systems or
OSE 5312 Light Matter Interaction or
OSE 5414 Fundamentals of Optoelectronic Devices 3 hrs
Directed Electives: 9 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization 19 hrs
PHZ 3151 Computer Methods in Physics 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
COT 4500 Numerical Calculus 3 hrs
Directed Electives: 6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.5. Astronomy Specialization 18 hrs
AST 2002 Astronomy 3 hrs
AST 3722C Techniques of Observational Astronomy 3 hrs
Select 2: 6 hrs
AST 3110 Solar System Astronomy or
AST 3211 Stellar Astrophysics or
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
■ None

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ None

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.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A 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 - Engineering/Physics Track
■ Mathematics - Applied Track
■ Mathematics - Pure Track
■ Electrical Engineering
■ Mechanical Engineering

Certificates
■ None

Related Minors
■ Mathematics
Plan of Study

This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternative, new or more appropriate selections.

Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/

Plan of Study

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</table>

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/col/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
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
   POS 3703 Scope and Methods of Political Science

2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following;
   POS 2041 American National Government

3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

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

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 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 from GEP B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

GEP - Math 3 hrs

Prefer MGF 1106 Finite Mathematics or 3 hrs
Prefer MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.

GEP - Statistics 3 hrs

Prefer STA 2014C Principles of Statistics or 3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
You may substitute a higher level Statistics course. 3 hrs
D: Social Foundations (6 hrs)
   Required POS 2041 American National Government 3 hrs
   Select from GEP D.2 list 3 hrs

E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (3 hrs)
      - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
      - See Transfer Notes for possible substitutes.

POZ 2041 American National Government GEP
POZ 3703 Scope and Methods of Political Science 3 hrs

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level

5. Restricted Electives (30 hrs)
   - Choose one of the following tracks.

Track 1: American Politics and Policy

   Five courses from Area A 15 hrs
   Two courses from Area B 6 hrs
   Two courses from Area C 6 hrs
   One additional course from any Area 3 hrs

Track 2: International Relations-Comparative Politics

   No more than two of the following courses may be considered part of area B credit:
   - INR 4401 International Law I or INR 4402 International Law II or INR 4404 Space Law 3 hrs
   - Two courses from Area A 6 hrs
   - Five courses from Area B 15 hrs
   - Two courses from Area C 6 hrs
   - One additional course from any Area 3 hrs

Track 3: Prelaw
   - Please see Political Science - Prelaw Track

Areas of Specialization

A. American Politics and Policy Area

   POS 3122 State Government and Public Policy or
   POS 3173 Southern Politics or
   POS 3182 Florida Politics or
   POS 3233 Public Opinion or
   POS 3235 Mass Media and Politics or
   POS 3268 Politics in Film or
   POS 3273 Voting and Elections or
   POS 3413 The American Presidency or
   POS 3424 Congress and the Legislative Process or
   POS 3443 Political Parties and Processes or
   POS 3463 Interest Groups or
   POS 3627 Cultural Pluralism and Law or
   POS 4074 Latino Politics or
   POS 4142 Metropolitan Politics or
   POS 4204 Political Behavior or
   POS 4246 Political Socialization or
   POS 4284 Judicial Process and Politics or
   POS 4412 Presidential Campaigning or
   POS 4603 American Constitutional Law or
   POS 4604 American Constitutional Law II or
   POS 4622 Politics and Civil Rights or
   POS 4742 Geographic Information Systems for the Political Scientist or
   PUP 4204 Sustainability or
   PUP 4209 Urban Environmental Policy or
   PUP 3203 Environmental Politics or
   PUP 3314 Minorities in American Politics or
   PUP 3325 Women and Political Behavior or
   PUP 4003 American Public Policy or
   PUP 4323 Women and Public Policy or
   PUP 4404 Education and Politics or
   PUP 4503 Government and Science or
   PUP 4602 Politics of Health or
   PUP 4744 Government and Business or
   PUP 4931 Topics in Public Policy or
   POS 3078 American Indian Politics or
   POS 3234 Protest in American Politics

B. International Relations and Comparative Government Area

   CPO 3034 Politics of Developing Areas or
   CPO 3103 Comparative Politics or

   CPO 3104 Politics of Western Europe or
   CPO 3132 Canadian Studies or
   CPO 3403 Politics of the Middle East or
   CPO 3614 Politics of Eastern Europe or
   CPO 4043 Politics of the NAFTA Region or
   CPO 4062 Comparative Judicial Process or
   CPO 4074 Political Economy or
   CPO 4101 Politics of the European Union or
   CPO 4123 Government and Politics of Great Britain or
   CPO 4303 Comparative Latin American Politics or
   CPO 4445 Comparative Political Parties or
   CPO 4553 Politics of Japan or
   CPO 4643 Government and Politics of Russia or
   CPO 4710 Women in Comparative Politics or
   CPO 4754 Comparative Political Institutions or
   CPO 4784 Political and Economic Inequality or
   GEO 3471 World Political Geography or
   IDS 4315 Global Perspectives or
   INR 3002 International Relations-Theory and Practice or
   INR 3016 Global Political Issues or
   INR 3250 Politics of Pan-Africanism or
   INR 3253 International Politics of Africa or
   INR 4011 Politics of Globalization or
   INR 4030 Diplomacy or
   INR 4035 International Political Economy or
   INR 4054 Global Politics of Energy or
   INR 4062 Causes of War or
   INR 4064 Changing Nature of War or
   INR 4074 Immigration Policy or
   INR 4075 Human Rights Policy or
   INR 4076 Global Drug Policy or
   INR 4085 Women, Gender, and Globalization or
   INR 4102 American Foreign Policy or
   INR 4104 Topics and Cases in American Foreign Policy or
   INR 4114 American Security Policy or
   INR 4115 Strategic Weapons and Arms Control or
   INR 4224 Contemporary International Politics of Asia or
   INR 4225 The Vietnam War or
   INR 4243 International Politics of Latin America or
   INR 4350 Global Environmental Politics or
   INR 4364 The Intelligence Community or
   INR 4394 Issues in International Public Policy or
   INR 4395 Coercion in International Politics or
   INR 4401 International Law I or
   INR 4402 International Law II or
   INR 4404 Space Law or
   INR 4502 International Organizations or
   INR 4714 Politics of International Trade Policy or
   POS 3253 Contemporary Revolution and Political Violence or
   PUP 3508 Space Studies or
   PUP 3014 Comparative Public Policy or
   INR 4351 International Environmental Law or
   PUP 4510 Space Policy or
   CPO 4514 Politics of East Asia or
   CPO 4794 Indigenous Politics and the Environment or
   INR 4603 International Relations Theory or
   INR 4084 Politics of International Terrorism or

C. Political Theory Area (6 hrs)

   INR 4603 International Relations Theory or
   POS 4026 Political Psychology or
   POT 3204 American Political Thought or
   POT 3302 Modern Political Ideologies or
   POT 4003 Political Theory or
   POT 4025 Ancient, Medieval and Early Modern Political Philosophy or
   POT 4045 Modern Political Philosophy or
   POT 4068 Contemporary Political Theory or
   POT 4109 Politics and Literature or
   POT 4345 Pan-Africanist Thought or
   POT 4305 The State, Society, and the Individual or
   POT 4314 Contemporary Democratic Theory or
   POT 4331 Utopia/Dystopia or
   POT 4414 Marxist Political Theory or
   POT 4632 Religion and Politics or

UNIVERSITY OF CENTRAL FLORIDA

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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 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.
12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A 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
■ Psychology
■ Sociology
■ Philosophy
Advising Notes
■ None
Transfer Notes
■ Lower division courses taken at community colleges do not substitute for Upper Division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses
■ The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
   ■ POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
   ■ POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study
■ This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
■ AMH 2010  U.S. History: 1492-1877  3 hrs
■ ENC 1101  Composition I  3 hrs
■ POS 2041  American National Government  3 hrs
■ GEP  3 hrs
■ GEP  3 hrs

Freshman Year - Spring
■ AMH 2020  U.S. History: 1877-Present  3 hrs
■ ENC 1102  Composition II  3 hrs
■ GEP  3 hrs
■ GEP  3 hrs
■ GEP  3 hrs

Sophomore Year - Fall
■ Restricted Elective 3 hrs
■ GEP  3 hrs
■ Free Elective 3 hrs
■ Restricted Elective 3 hrs
■ Foreign Language 4 hrs

Sophomore Year - Spring
■ POS 3703  Scope and Methods of Political Science  3 hrs
■ Restricted Elective 3 hrs
■ Restricted Elective 3 hrs
■ Foreign Language 4 hrs
■ GEP  3 hrs

Junior Year - Fall
■ Restricted Elective 3 hrs
■ Restricted Elective 3 hrs
■ Free Elective 3 hrs
■ Free Elective 3 hrs
■ Free Elective 3 hrs

Junior Year - Spring
■ Restricted Elective 3 hrs
■ Free Elective 3 hrs
■ Free Elective 3 hrs
■ Free Elective 3 hrs
■ Free Elective 3 hrs

Senior Year - Fall
■ Restricted Elective 3 hrs
■ Restricted Elective 3 hrs
■ Free Elective 3 hrs
■ Free Elective 3 hrs
■ Free Elective 3 hrs

Senior Year - Spring
■ Restricted Elective 3 hrs
■ Free Elective 3 hrs
■ Free Elective 3 hrs
■ Free Elective 3 hrs
■ Free Elective 3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $5 per term
■ Full-Time Student: $10 per term

Political Science - Prelaw Track (B.A.)
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
407-823-2008

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
UCF Degree Programs

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 represents 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 4603 American Constitutional Law
  - POS 4604 American Constitutional Law II
  - INR 4401 International Law I
  - INR 4402 International Law II
- 2. Students who major in any Political Science track, and minor in International and Global Studies shall not count more than one course toward both programs.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Preferred AMH 2010 U.S. History: 1492-1877 3 hrs
- Preferred AMH 2020 U.S. History: 1877-Present 3 hrs
- Select a course from GEP B.2. list 3 hrs

C: Mathematical Foundations (6 hrs)
- Math: 3 hrs
  - Preferred MGF 1106 Finite Mathematics or 3 hrs
  - Preferred MGF 1107 Explorations in Mathematics or 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics:
- Preferred STA 2014C Principles of Statistics or 3 hrs
- Preferred STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- You may substitute a higher level statistics course. 3 hrs

D: Social Foundations (6 hrs)
- Political Science
  - Required POS 2041 American National Government 3 hrs
- Social Science
  - Select one of the listed courses 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses.

3. Core Requirements: Basic Level
- POS 2041 American National Government GEP 3 hrs

4. Core Requirements: Advanced Level
- POS 3703 Scope and Methods of Political Science CPP 3 hrs
- POS 4264 Judicial Process and Politics 3 hrs

5. Restricted Electives (27 hrs)
- Select one of the following four courses: 3 hrs
  - POS 4603 American Constitutional Law
  - POS 4604 American Constitutional Law II
  - INR 4401 International Law I
  - INR 4402 International Law II
- And, select one of the following two options: (See Area courses list under Political Science)
  - Five courses from area A and 15 hrs
  - Two courses from area B and 6 hrs
  - One course from area C 3 hrs
- OR
  - Two courses from area A and 15 hrs
  - Five courses from area B and 6 hrs
  - One course from area C 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: Political Science: For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

The following courses are not required, but serious students should consider taking these as free electives.

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 3250 Professional Writing 3 hrs
- LIN 4105 History of the English Language 3 hrs
- MFT 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

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.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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
- Philosophy
### Psychology (B.S.)

**College of Sciences**

**Department of Psychology, Psychology Building, Room:**

**301**

**http://www.psych.ucf.edu/**

**E-mail:** psychadvising@ucf.edu

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.

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

- Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36. See Transfer Notes for possible substitutions.

#### A: Communication Foundations (9 hrs)

- **B:** Cultural & Historical Foundations (9 hrs)
- **C:** Mathematical Foundations (6 hrs)
- **Math:** 3 hrs

#### You may substitute a higher level math with appropriate scores on the Math Placement Test.

- **Prefer** MGF 1106 Finite Mathematics 3 hrs

#### Statistics:

- Required STA 2023 Statistical Methods I or 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

#### D: Social Foundations (6 hrs)

#### Social Sciences:

- Required PSY 2012 General Psychology 3 hrs

#### Political Science/Economics (3 hrs)

- Select one of the listed choices 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

### Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

#### Freshman Year - Fall 15 hrs

- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- POS 2041 American National Government 3 hrs
- GEP 3 hrs

#### Freshman Year - Spring 15 hrs

- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- STA 2014C Principles of Statistics 3 hrs

#### Sophomore Year - Fall 16 hrs

- GEP 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Foreign Language 4 hrs
- Supporting Elective 3 hrs

#### Sophomore Year - Spring 16 hrs

- GEP 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Foreign Language 4 hrs

#### Junior Year - Fall 15 hrs

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- POS 4284 Judicial Process and Politics 3 hrs

#### Junior Year - Spring 14 hrs

- Restricted Elective 3 hrs
- Supporting Elective 4 hrs
- Supporting Elective 4 hrs
- Supporting Elective 3 hrs

#### Senior Year - Fall 15 hrs

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>POS 4284</td>
<td>Judicial Process and Politics</td>
<td>3</td>
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</table>
UCF Degree Programs

E. Science Foundations (6 hrs)
Biology: Select the advanced option if additional biology courses are planned.
- Required BSC 1005 Biological Principles or BSC 2010C Biology I

Physical or Chemical: Select a listed course
- 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.

PSY 2012 General Psychology
DEP 2004C Developmental Psychology

Biology:
- Select the advanced course if additional biology courses are planned.

BSC 1005 Biological Principles or BSC 2010C Biology I

Statistics:
- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I

3. Core Requirements: Basic Level

3.1 Lower Level Core Requirements
PSY 2012 General Psychology

3.2.1 Core Requirements: Basic Level

Statistics:
- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I

4. Core Requirements: Advanced Level (15 hrs)

PSY 3204C Statistical Methods in Psychology
PSY 3213C Research Methods in Psychology
PSB 3002 Physiological Psychology
PSY 4604 History and Systems of Psychology

5. Restricted Electives (33 hrs)

A. Experimental: Select two of the following:
- EXP 3404C Basic Learning Processes or
- EXP 3204C Perception or
- EXP 3604C Cognitive Psychology or
- PSB 4240C Neuropsychology or
- PSY 4215C Advanced Research Methods in Psychology
- PSY 3703 Psychology of Language

B. Personality/Social: Select one of the following:
- PPE 3003C Personality Theory and Research or
- SOP 3004C Social Psychology

C. Developmental: Select one of the following:
- DEP 2004C Developmental Psychology or
- DEP 3202 Psychology of Exceptional Children or
- DEP 3464 Psychology of Aging

D. Diversity: Select one of the following:
- CLP 3184 Women’s Mental Health or
- SOP 3742 Psychology of Women or
- SOP 3723 Cross Cultural Psychology or
- SOP 3724 Psychology of Prejudice or
- SOP 3784 Psychology of Diversity

E. Applied: Select one of the following:
- CLP 3302 Clinical Psychology or
- EXP 3250 Principles of Human Factors Psychology or
- INP 3004C Industrial/Organizational Psychology

F. Psychology Electives
- Select three additional courses taught by the Psychology department.
- NOTE: The following courses will NOT fulfill this requirement.

INP 3141C Advanced Applied Psychology or
INP 3951 Industrial/Organizational Field Work

PSY 3905 Directed Independent Study or
PSY 4906 Directed Independent Study or
PSY 4912 Directed Independent Research or

1 This course will not fulfill this requirement without prior approval.

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
PSC 1121 Physical Science or
PHY 2053C College Physics I or
CHM 1020 Concepts in Chemistry or
COP 3223 Introduction to Programming with C or
COP 3502C Computer Science I or
COP 3503C Computer Science II or
MAC 2233 Concepts of Calculus or
MAC 2253 Applied Calculus I or
PCB 3703C Human Physiology or
STA 4102 Computer Processing of Statistical Data or
STA 4163 Statistical Methods II or
STA 4164 Statistical Methods III or
BSC 1005 Biology I or
BSC 2011C Biology II or
BSC 4312C Marine Biology or
PCB 3063 Genetics or
ENV XXXX Any ENV prefix course or
GEO XXXX Any GEO prefix course or
MCB XXXX Any MCB prefix course or
ZOO XXXX Any ZOO prefix course

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 CPP, core requirements, restricted electives and science electives (sections 2-5).

- Maintain a minimum overall psychology GPA of 2.0.

- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major

Addtional 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 courses

- PSY 3213C Research Methods in Psychology
Junior Year - Spring 16 hrs
PSY 4903H Honors Directed Reading I 3 hrs

Sophomore Year - Spring 14 hrs
PSY 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- Sociology
- Anthropology
- Statistics
- Criminal Justice

Certificates
- Behavioral Forensics

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.

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, since this course satisfies the CPP as well as psychology restricted elective SC, 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.

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
PSY 2012 General Psychology 3 hrs
GEP 3 hrs
GEP 3 hrs
Math 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
GEP 3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Biology 3 hrs
Statistics 3 hrs

Sophomore Year - Fall 16 hrs
Restricted Elective 3 hrs
DEP 2004C Developmental Psychology 3 hrs
GEP 3 hrs
GEP 3 hrs
Foreign Language 4 hrs

Sophomore Year - Spring 14 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Foreign Language 4 hrs
GEP 3 hrs

Junior Year - Fall 16 hrs
PSB 3002 Physiological Psychology 3 hrs
PSY 3204C Statistical Methods in Psychology 4 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
PSY 4604 History and Systems of Psychology 3 hrs
Elective / Minor 3 hrs
Restricted Elective 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $5.50 per term
- Full-Time Student: $11 per term

Public Administration (B.A. / B.S.)
College of Health and Public Affairs
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
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: SPH 1001 Introduction to Oral Communication

B: Cultural & Historical Foundations (9 hrs)
- Suggested: MGF 1106 Finite Mathematics
- Suggested: MGF 1107 Explorations in Mathematics

C: Mathematical Foundations (6 hrs)
- Required: CGS 1001C Introduction to Computer Science

Select 1:
- Suggested: MAC 1105C College Algebra
- Suggested: MGF 1106 Finite Mathematics
- Suggested: MGF 1107 Explorations in Mathematics

D: Social Foundations (6 hrs)
- Suggested: POS 2041 American National Government
## UCF Degree Programs

### Select 1:
- **Suggested:**
  - **PSY 2012** General Psychology or
  - **SYG 2000** Introduction to Sociology or
  - **ANT 2000** General Anthropology

### 1. Core Requirements: Basic Level
- **Select 1:** 3 hrs

### 2. Common Program Prerequisites (CPP)
- **(3 hrs)**
  - **E:** Science Foundations (6 hrs)
    - **ECO 2013** Principles of Macroeconomics 3 hrs
    - **CGS 1060C** Introduction to Computer Science GEP
    - **POS 2041** American National Government GEP

### 3. Core Requirements: Basic Level
- **None**

### 4. Core Requirements: Advanced Level
- **(21 hrs)**
  - **PAD 3033** Public Administration in American Society 3 hrs
  - **PAD 4034** The Administration of Public Policy 3 hrs
  - **PAD 4104** Administrative Theory 3 hrs
  - **PAD 4204** Fiscal Management 3 hrs
  - **PAD 4414** Public Personnel Administration 3 hrs
  - **PAD 4720** Survey Research in Public Administration 3 hrs
  - **PAD 3733** Professional Administrative Writing in the Public Sector 3 hrs

### B.A./B.S. Option
- **6 hrs**
  - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
  - Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

### 5. Restricted Electives
- **(39 hrs)**
  - Public Administration electives are required as follows:
    - PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
    - Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
    - Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
    - Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

### 6. Capstone Requirements
- **None**

### 7. Foreign Language Requirements
- **Admissions**
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- **Graduation**
  - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement.

### 8. Electives
- **None**

### 9. Additional Requirements
- **None**

### 10. Required Minors
- **None**

### 11. Departmental Exit Requirements
- **The students must attain a minimum grade of "C" (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).**
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

### 12. University Minimum Exit Requirements
- **A 2.0 UCF GPA**
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

### 13. Total Semester Hours Required
- **120**

### Honors in Major
- **None**

### Related Programs
- **None**

### Related Minors
- **Business**
- **Economics**
- **Political Science**
- **Legal Studies**
- **Criminal Justice**
- **Urban and Regional Planning**
- **Non-Profit Management/American Humanics National Certification Program**
- **Emergency Management and Homeland Security**

### Advising Notes
- **None**

### Transfer Notes
- Intro to Computer Science (CGS 1060C) or any Computer Science course (3 credits)
- Economics I (ECO 2013) or any Macroeconomics course (3 credits)
- American National Government (POS 2041) or any course in American National Government (3 credits)

### Acceptable Substitutes for Transfer Courses
- **None**

### Plan of Study
- "This can be taken in any of the following combinations: 6 hrs of PAD Internship; 6 hrs of PAD Electives; or 3 hrs of PAD Internship and 3 hrs of PAD Electives"

### Freshman Year - Fall
- **14 hrs**
  - **ENC 1101** Composition I 3 hrs
  - **CGS 1060C** Introduction to Computer Science 3 hrs
  - **POS 2041** American National Government 3 hrs
  - **PAP 2102** Public Affairs Careers 2 hrs

#### Select 1:
- **ARH 2050** History of Western Art I or 3 hrs
- **ARH 2051** History of Western Art II or 3 hrs
- **MUL 2010** Enjoyment of Music or 3 hrs
- **REL 2300** World Religions or 3 hrs
- **PHI 2310** Introduction to Philosophy or 3 hrs
- **THE 2000** Theatre Survey or 3 hrs
- **LIT 2110** World Literature I or 3 hrs
- **LIT 2120** World Literature II 3 hrs

### Freshman Year - Spring
- **15 hrs**
  - **ENC 1102** Composition II 3 hrs
  - **MGF 1106** Finite Mathematics 3 hrs

#### Select 1:
- **PSY 2012** General Psychology or 3 hrs
- **SYG 2000** Introduction to Sociology or 3 hrs
- **ANT 2000** General Anthropology 3 hrs

#### Select 1:
- **CHM 1020** Concepts in Chemistry or 3 hrs
- **PSC 1121** Physical Science or 3 hrs
- **AST 2002** Astronomy or 3 hrs
Sophomore Year - Fall

SPC 1608  Fundamentals of Oral Communication  3 hrs
ECO 2013  Principles of Macroeconomics  3 hrs

Select 1:

EUH 2000  Western Civilization I or 3 hrs
HUM 2210  Humanistic Tradition I or 3 hrs
ANH 2010  U.S. History: 1492-1877 or 3 hrs
WOH 2012  World Civilization I  3 hrs

Select 1:

BSC 1005  Biological Principles or 3 hrs
MCB 1310  Introduction to Biotechnology and Genetic Engineering or 3 hrs
GLY 1030  Geology and its Applications or 3 hrs
GEO 1200  Physical Geography or 3 hrs
ANT 2511  The Human Species or 3 hrs
Free Elective  3 hrs

Sophomore Year - Spring

15 hrs

PAD 3003  Public Administration in American Society  3 hrs
Free Elective  3 hrs
Free Elective  3 hrs
PAD 3733  Professional Administrative Writing in the Public Sector  3 hrs

Select 1:

AMH 2020  U.S. History: 1877-Present or 3 hrs
EUH 2001  Western Civilization II or 3 hrs
HUM 2200  Humanistic Tradition II or 3 hrs
WOH 2022  World Civilization II  3 hrs

Junior Year - Fall

15 hrs

PAD 4104  Administrative Theory  3 hrs
PAD 4414  Public Personnel Administration  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Foreign Language I or BS option  3 hrs

Junior Year - Spring

15 hrs

PAD 4034  The Administration of Public Policy  3 hrs
PAD 4224  Fiscal Management  3 hrs
PAD 4720  Survey Research in Public Administration  3 hrs
Restricted Elective  3 hrs
Foreign Language II or BS option  3 hrs

Senior Year - Fall

15 hrs

Restricted Elective  3 hrs
Restricted Elective  3 hrs
Upper Division Elective  3 hrs
Upper Division Elective  3 hrs
Upper Division Elective  3 hrs

Senior Year - Spring

15 hrs

Restricted Elective  3 hrs
Upper Division Elective  3 hrs
Upper Division Elective  3 hrs
Upper Division Elective  3 hrs
Restricted elective or PAD Internship  3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes)

 Radio - Television (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/
E-mail: radiotv@mail.ucf.edu

Dr. W. Joe Hall, Area Coordinator; whall@mail.ucf.edu
Rebecca Morales, Academic Support; rmorales@mail.ucf.edu
407-923-2081

Admission Requirements

- Students should apply to become Radio-Television majors only after completing all requirements for admission.

- Attain an overall minimum 2.25/4.00 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.

- Receive a positive evaluation of other factors specified by the Nicholson School of Communication.

- 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 school permission.

- Co-op credit may be used in this major with prior approval from an R-TV advisor.

- Students must consult with a school advisor.

- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.

- Of these 80 hours, 85 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).

- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.

- Radio-TV majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.

- Students seeking to change tracks once accepted into the major, must re-apply to the R-TV major under the new, desired track.

- A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.

- A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during "C" term only.

- 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:

Prefer SPC 1608  Fundamentals of Oral  3 hrs
Suggested SPC 1603  Fundamentals of Technical Presentations  3 hrs

B: Cultural & Historical Foundations  (9 hrs)

Prefer AMH 2010  U.S. History: 1492-1877  3 hrs
Prefer AMH 2020  U.S. History: 1877-Present  3 hrs
Select a third course from GEP B2  3 hrs

C: Mathematical Foundations  (6 hrs)

Math:  3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test.

Required MGF 1106  Finite Mathematics or 3 hrs
Required MGF 1107  Explorations in Mathematics  3 hrs

Computer Science:  3 hrs
- Required CGS 2100C  Computer Fundamentals for Business  3 hrs
UCF Degree Programs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Select a listed course 3 hrs

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP)
- None
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (12 hrs)
- These courses may be taken before applying to the major.
  - MMC 3200 Development of Mass Communication Law 3 hrs
  - RTV 3007 Development of 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 GEP
- SPC 1608 Fundamentals of Oral Communication GEP

Select 1:
- CGS 2100C Computer Fundamentals for Business or GEP
- CGS 2585C Desktop/Internet Publishing or 3 hrs
- CGS 3175 Internet Applications 3 hrs

4. Core Requirements: Advanced Level (6 hrs)
- These courses are only available to students who have been accepted into the major.
  - MMC 3420 Mass Media Research Methods 3 hrs
  - RTV 2102 Writing for the Electronic Media 3 hrs

5. Restricted Electives
- Specialization: Select one area and complete the credit hours required by that specialization.

A. Production (18 hrs)
Select from the following:
- RTV 3210C Audio Production I or 3 hrs
- RTV 3228C Studio Television Production or 4 hrs
- RTV 3232C Lighting for Video or 3 hrs
- RTV 3260C Single Camera Video Production and Editing or 4 hrs
- RTV 3261C Advanced Video Post-Production or 3 hrs
- RTV 3283C Production of Interactive Multimedia or 3 hrs
- RTV 4211C Audio Production II or 3 hrs
- RTV 4280C Webcasting I or 3 hrs
- RTV 4281C Webcasting II or 3 hrs
- RTV 4286C Television Directing or 3 hrs
- RTV 4271C Radio Production and Programming or 3 hrs
- 1 RTV 3942L Practicum or 3 hrs
- 1 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 and 3 hrs
- RTV 3260C Single Camera Video Production and 4 hrs
  Editing and
- RTV 3301 Electronic Journalism I and 3 hrs
- RTV 3304 Electronic Journalism II and 3 hrs
- RTV 4320C Television News 4 hrs

Select from the following:
- JOU 3004 History of American Journalism or 3 hrs
- RTV 3234C Broadcast Announcing and Performance or 3 hrs
- RTV 4322E Advanced TV News or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- 1 RTV 4906 Directed Independent Study or 1 hr
- 1 RTV 4941 Internship 1 hr

1 May only apply a maximum of 3 hours to the requirement.

C. Broadcast Generalist (18 hrs)
Select from the following:
- ADV 4103 Radio-Television Advertising or 3 hrs
- CMC 4240 Corporate/Institutional Video or 3 hrs
- COM 3330 Computer Mediated Communication or 3 hrs
- MMC 4263 New Media Technologies or 3 hrs
- RTV 3234C Broadcast Announcing and Performance or 3 hrs
- RTV 4271C Radio Production and Programming or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- RTV 4800 Broadcast Management or 3 hrs
- 1 RTV 4941 Internship 1 hr

Select from the following: 6 hrs
- ADV 3008 Principles of Advertising or 3 hrs
- COM 3110 Business and Professional Communication or 3 hrs
- ENC 3250 Professional Writing or 3 hrs
- PUR 4000 Public Relations or 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs

1 May only apply a maximum of 3 hours to the requirement.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
- Met by graduation requirement.
- Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- 8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.
- 9. Additional Requirements
- None

10. Required Minors
- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.
- The following minors are suggested to complement the R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:
  - Digital Media
  - Film - Cinema Studies
  - Writing and Rhetoric
  - Political Science
  - Sociology
  - Theatre

11. Departmental Exit Requirements
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve an overall “C” GPA (2.0) in UCF Radio-TV courses used to satisfy the major.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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
### Plan of Study

This is one of numerous possible plans of study. See program description for all requirements.

#### Freshman Year - Fall
- GEP: 3 hrs
- Suggested: ECO 2013: Principles of Microeconomics
- Suggested: ECO 2023: Principles of Macroeconomics
- Suggested: ANT 2000: General Anthropology
- Suggested: SPC 1607: Introduction to Speech

#### Freshman Year - Spring
- GEP: 3 hrs
- Required: CGS 2100C: Computer Fundamentals for Business
- Required: CGS 2100C: Computer Fundamentals for Business
- Required: CGS 2100C: Computer Fundamentals for Business
- Required: CGS 2100C: Computer Fundamentals for Business

#### Sophomore Year - Fall
- MCF 2310: Mass Communication Law
- Elective / Minor: Film - Cinema Studies
- Elective / Minor: Marketing
- Elective / Minor: Theatre

#### Sophomore Year - Spring
- Foreign Language: 4 hrs
- Elective / Minor: Digital Media
- Elective / Minor: Film - Cinema Studies
- Elective / Minor: Marketing
- Elective / Minor: Theatre

#### Junior Year - Fall
- Restricted Elective: 3 hrs
- Elective / Minor: Film - Cinema Studies
- Elective / Minor: Marketing
- Elective / Minor: Theatre

#### Junior Year - Spring
- Restricted Elective: 3 hrs
- Elective / Minor: Film - Cinema Studies
- Elective / Minor: Marketing
- Elective / Minor: Theatre

#### Senior Year - Fall
- Elective / Minor: Film - Cinema Studies
- Elective / Minor: Marketing
- Elective / Minor: Theatre

#### Senior Year - Spring
- Elective / Minor: Film - Cinema Studies
- Elective / Minor: Marketing
- Elective / Minor: Theatre

### Related Minors
- Electronic Media
- Media and New Technology

### Acceptable Substitutes for Transfer Courses
- 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.

### 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/

407-823-3575

Not eligible for a double degree with another College of Business Administration major.

**Admission Requirements**

- Completion of the UCF General Education Program, Gordon Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework (from required courses and restricted electives below) can count toward another major or minor degree program.
- Students majoring in Real Estate must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students wanting to major in real estate must apply for admission to the major.

1. **UCF General Education Program (GEP)**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Prefer: SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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2. **Cultural & Historical Foundations**

<table>
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<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Required: MAC 1140 Pre-Calculus Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required: CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
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3. **Mathematical Foundations**

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<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Select 1:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Suggested: ECO 2013 Principles of Macroeconomics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested: ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
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</table>

4. **Social Foundations**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested: PSY 2012 General Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested: SYG 2000 Introduction to Sociology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested: ANT 2000 General Anthropology</td>
<td>3 hrs</td>
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5. **Science Foundations**

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<tr>
<th>Requirement</th>
<th>Credits</th>
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<td></td>
<td>6 hrs</td>
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</tbody>
</table>
UCF Degree Programs

2. Common Program Prerequisites (CPP) (18 hrs)
   - Must be completed with a "C" (2.0) or better.
   - See Common Prerequisites in the Transfer and Transition Services section for more information.
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   - CGS 2100C Computer Fundamentals for Business 3 hrs

Select one of the following sequences of courses:
   - Students who have not completed 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:
     - 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     - GEB 3375 Introduction to International Business 4 hrs
     - BUL 3130 Legal and Ethical Environment of Business 4 hrs
     - ECO 3411 Quantitative Business Tools II 4 hrs
     - FIN 3403C Business Finance 4 hrs
     - MAN 3025 Management of Organizations 4 hrs
     - MAR 3023 Marketing 4 hrs
     - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     - MAR 3203 Supply Chain Management 4 hrs
   - 1 Required in 1st or 2nd semester

4. Core Requirements: Advanced Level (9 hrs)

5. Restricted Electives (15 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
     - 1 REE 4903H Honors Directed Readings I 1 hr
     - REE 4941 Internship 1 hr
     - 1 REE 4970H Undergraduate Honors Thesis 1 hr
     - REE 4933 Advanced Topics in Real Estate 3 hrs
   - 1 Must be accepted into the UCF Honors in the Major program. See http://www.honors.ucf.edu/ for details.

6. Capstone Requirements (4 hrs)
   - MAN 4720 Strategic Management 4 hrs

7. Foreign Language Requirements
   - Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None
   - Electives
     - variable
   - 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
   - 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, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take ECO 3401.
   - Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study (120 hrs)
   - Must complete nine hours in a summer semester

Freshman Year - Fall
   - 15 hrs
     - ENC 1101 Composition I 3 hrs
     - SPC 1608 Fundamentals of Oral Communication 3 hrs
     - MAC 1105C College Algebra 3 hrs
     - Cult-Hist I 3 hrs
     - Elective 3 hrs
For undergraduate programs are located at:

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

UCF Degree Programs

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. Sabatino DiBernardo, sdbema@mail.ucf.edu, 407-823-2273

Admission Requirements:
- None

Degree Requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Required HUM 2210 Humanistic Tradition I 3 hrs
- Required HUM 2230 Humanistic Tradition II 3 hrs
- Required REL 2300 World Religions 3 hrs

C: Mathematical Foundations (6 hrs)
1 Prefer MGF 1106 Finite Mathematics 3 hrs
Prefer STA 1000C Basic Statistics Using Microsoft Excel

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level

HUM 2210 Humanistic Tradition I GEP
HUM 2230 Humanistic Tradition II GEP
REL 2300 World Religions GEP

4. Core Requirements: Advanced Level (24 hrs)

Foundations in the Study of Religion and Humanities 9 hrs

Religion 6 hrs
- REL 3131 Religion in America or
- REL 4110 Religion and the Arts or
- PHI 3703 Philosophy of Religion or
- ANT 3241 Magic, Ritual, and Belief or
- POT 4632 Religion and Politics or
- SYO 4200 Religion in Society 3 hrs

Humanities and Classics 3 hrs
- CLT 3370 Classical Mythology or
- CLT 3378 Comparative Mythology or
- HUM 3431 Ancient Humanities or
- HUM 3435 Medieval Humanities or
- HUM 3255 Modern Humanities or
- HUM 3252 Contemporary Humanities 3 hrs

Traditions: Religion in a Global World 9 hrs

Select 1: 3 hrs
- JST 3401 Jewish People in Antiquity or
- JST 3402 Wanderings: The Jewish People in Dispersion

Select 2: 6 hrs
- ANT 3245 Native American Religions or
- HUM 3401 Asian Humanities or
- HUM 3417 Hindu Thought and Culture or
- HUM 3419 Islamic Thought and Culture or
- HUM 3552 Christian Thought or
- REL 3553 Moses, Jesus and Muhammad or
- REL 3340 Buddhist Thought 3 hrs

Applications: Topics and Issues in the Study of Religion 6 hrs

Select 2: 6 hrs
- PHI 3033 Philosophy, Religion, and the Environment or
- REL 3115 Religion, Spirituality, and Popular Music or
- REL 3111 Religion and Philosophy Through Film or
- REL 3432 Roots of Western Mysticism or
- HUM 4554 Religious Quest and Human Dilemma or
- HUM 4303 The Spiritual Ideal or
- PHI 3672 Animal Ethics or
- REL 4180 Religion and Medicine 3 hrs

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: 9 hrs
- REL 4941 Internship or 1 hr
- HUM 3320 Contemporary Multicultural Studies or
- HUM 4301 The Classical Ideal or
- HUM 4330 Performance Theory or
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or
UCF Degree Programs

PHI 3629  Family Values or  3 hrs
PHI 3638  Ethical Issues in the 21st Century or  3 hrs
PHI 3684  Ways of Living or  3 hrs
PHM 3020  Philosophy of Love or  3 hrs
PHI 4341  Ways of Knowing or  3 hrs
PHI 4804  Critical Theory or  3 hrs
PHM 3100  Freedom and Justice or  3 hrs
PHP 3786  Existentialism or  3 hrs
AML 3615  Harlem, Haiti, and Havana or  3 hrs
ASH 2222  Islam and its Empires or  3 hrs
ASH 3233  The Modern Middle East or  3 hrs
JST 3100  The Hebrew Creative Mind or  3 hrs
JST 3125  The Book of Job or  3 hrs
JST 3144  Dead Sea Scrolls or  3 hrs
JST 3450  Modern Jewish Experience or  3 hrs
JST 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 4374  Literature of the Bible or  3 hrs
LIT 3202  Death and Dying  3 hrs

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Met by graduation requirement
   Graduation
   ■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
   ■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ Earn a “C” (2.0) or better in each required course.
    ■ To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
    ■ Computer Competency met by one of the following:
      REL 4907H  Undergraduate Honors Thesis  1 hr
      REL 4910 Senior Research Seminar  3 hrs
      STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs
     Must Take:
       REL 4910 Senior Research Seminar  3 hrs

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in 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
■ 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  3 hrs
   REL 4970H  Undergraduate Honors Thesis  3 hrs

Additional Requirements
■ Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
■ Fulfill University requirements for Honors in the Major.
■ Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5.
■ Successful completion and oral defense of Honors Thesis.
   ■ Earn a “B” (3.0) or better in both of the following:
     REL 4903H  Honors Directed Readings I  3 hrs
     REL 4970H  Undergraduate Honors Thesis  3 hrs

Related Programs
■ Interdisciplinary Studies
■ Philosophy
■ Humanities
■ Certificate
■ None

Related Minors
■ Humanities
■ Judaic Studies
■ Philosophy
■ Religious Studies

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges do not substitute for Upper Division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
Freshman Year - Fall  16 hrs
   ENC 1101  Composition I  3 hrs
   HUM 2210  Humanistic Tradition I  3 hrs
   MGF 1106  Finite Mathematics  3 hrs
   REL 2300  World Religions  3 hrs
   SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs

Freshman Year - Spring  16 hrs
   ENC 1102  Composition II  3 hrs
   HUM 2220  Humanistic Tradition II  3 hrs
   STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs
   Restricted Elective  3 hrs
   SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs

Sophomore Year - Fall  15 hrs
   GEP  3 hrs
   GEP  3 hrs
   GEP  3 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs

Sophomore Year - Spring  15 hrs
   GEP  3 hrs
   GEP  3 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs

Junior Year - Fall  15 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs

Junior Year - Spring  15 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs

Senior Year - Fall  15 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs

UNIVERSITY OF CENTRAL FLORIDA

292  Undergraduate Catalog 2011-2012
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
407-903-8000

Admission Requirements
■ None

Degree Requirements
■ None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required MAC 1105C College Algebra 3 hrs
   Select 1: 3 hrs
   Required CGS 2100C Computer Fundamentals for Business or
   Required STA 2023 Statistical Methods I 3 hrs
   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics or
   Required ECO 2023 Principles of Microeconomics 3 hrs
   Select 1: 3 hrs
   Required PSY 2012 General Psychology or
   Required SYG 2000 Introduction to Sociology or
   Required AN1 2000 General Anthropology 3 hrs
   E: Science Foundations (6 hrs)
   Select 1: 3 hrs
   Required HFT 1000 Introduction to the Hospitality and Tourism Industry

   1 See “Common Prerequisites” in the Transfer and Transitions section (pg. 46) for more information.

2. Common Program Prerequisites (CPP) (3 hrs)
   Required HFT 2220 Hospitality Human Resources Management 3 hrs
   Required HFT 3444 Hospitality Information Systems 3 hrs
   Required HFT 3603 Legal Environment in the Hospitality and Tourism Industry

3. Core Requirements: Basic Level
   MAC 1105C College Algebra GEP
   Select 1: 3 hrs
   Required CGS 2100C Computer Fundamentals for Business or
   Required STA 2023 Statistical Methods I GEP
   Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics or
   Required ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (55 hrs)
   Hospitality Core Requirements 34 hrs
   FSS 2221C Techniques of Food Preparation 4 hrs
   HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   HFT 2500 Hospitality and Tourism Marketing 3 hrs
   Internships 3 hrs
   HFT 3940 Internship 1 hr
   HFT 4941 Internship 1 hr
   HFT 4944 Practicum 1 hr

5. Restricted Electives (15 hrs)
   Select 5: 15 hrs
   Required FSS 3008 Culture and Cuisine or
   Required FSS 4135 Corporate Contract and Managed Services 3 hrs
   or
   Required FSS 4286C Catering and Banquet Organization or
   Required FSS 4454 Hospitality Marketing and Management 3 hrs
   or
   Required FSS 4866C Exploring Wines of the World or
   Required HFT 4861C Beverage Management 3 hrs
   or
   Required HFT 4864 Sanitation in the Food Service Industry 3 hrs

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
■ None

8. Electives
■ 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
■ Final exams will be given during Exam Week only.
■ Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

10. Required Minors
■ None

11. Departmental Exit Requirements
■ None

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
UCF Degree Programs

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- 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
- Select 1: 3 hrs
- Select 2: 3 hrs

Senior Year - Spring
- HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/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
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
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
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
- Note: Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 2000 Introduction to Sociology or ANT 2000 General Anthropology 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
- Required PSC 1121 Physical Science 3 hrs
- Required BSC 2010C Biology I 4 hrs

1 A grade of “C-”(1.75) is required.

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

UNIVERSITY OF CENTRAL FLORIDA
3. Core Requirements: Basic Level (12 hrs)
   - Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.

4. Core Requirements: Advanced Level (62 hrs)
   - Education Core Requirements 18 hrs
     - Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
     - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL.
   - Internship I Block 7 hrs
     - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
     - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
   - Specialization Requirements 25 hrs
     - SCM 2043C Chemistry Fundamentals I 4 hrs
     - EDF 2130 Child and Adolescent Development for Educators 3 hrs
     - EDF 4063 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
     - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
     - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
     - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
     - Students in Schools.
   - 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.

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - 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 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
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Recommended Four Year Sequence of Courses

Freshman Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

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
### UCF Degree Programs

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<th>Course Name</th>
<th>Credit Hours</th>
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<td>PSC 1121</td>
<td>Physical Science</td>
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<tr>
<td>PSC 1121L</td>
<td>Physical Science Lab</td>
<td>1</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
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</tbody>
</table>

**Freshman Year - Summer**
- 6 hrs
- POS 2041  American National Government  3 hrs
- ¹ EDF 2130  Child and Adolescent Development for Educators  3 hrs

¹ Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Sophomore Year - Fall**
- 14 hrs
- BSC 2010C  Biology I  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- EDF 2005  Introduction to the Teaching Profession  3 hrs

**Sophomore Year - Spring**
- 15 hrs
- BSC 2011C  Biology II  4 hrs
- CHM 2005  Introduction to Organic and Biochemistry  5 hrs
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs

**Junior Year - Summer**
- 3 hrs
- TSL 4080  Theory and Practice of Teaching ESOL  3 hrs
- Students in Schools  3 hrs

**Junior Year - Fall**
- 14 hrs
- EDF 4467  Learning Theory and Assessment  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- PCB 3044  Principles of Ecology  3 hrs
- PCB 3044L  Principles of Ecology Laboratory  1 hr

**Select one of the following sequences of courses:**

<table>
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<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
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<tr>
<td>PCB 3063L</td>
<td>Genetics Laboratory</td>
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<td>or</td>
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<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
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<td></td>
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<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
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</table>

**Junior Year - Spring**
- 12 hrs
- MCB 3020C  General Microbiology  5 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- SCE 3461  Programs in Teaching Science  3 hrs

**Junior Year - Summer**
- 3 hrs
- RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs

**Senior Year - Fall**
- 13 hrs
- EDF 4903  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
- SCE 3940  Internship  3 hrs
- SCE 4260  Science Instructional Analysis  4 hrs
- EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs

**Senior Year - Spring**
- 12 hrs
- SCE 4941  Internship  12 hrs

**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)

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**Science Education - Chemistry (B.S.)**

**College of Education**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**


**Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430**

**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)** (37 hrs)
   - Note: Students are advised to take the preferred courses.
   - Required: ENC 1101  Composition I  3 hrs
   - Required: ENC 1102  Composition II  3 hrs
   - Prefer: SPC 1608  Fundamentals of Oral Communication  3 hrs

2. **Cultural & Historical Foundations** (9 hrs)
   - Prefer: AMH 2010  U.S. History: 1877-Present  3 hrs
   - Prefer: AMH 2020  U.S. History: 1492-1877  3 hrs
   - Prefer: PHI 2010  Introduction to Philosophy  3 hrs

3. **Mathematical Foundations** (6 hrs)
   - Required: MAC 1114  College Trigonometry  3 hrs

4. **Select one of the following sequences of courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3</td>
</tr>
<tr>
<td>Prefer: SPC 1608  Fundamentals of Oral Communication  3 hrs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5. **E: Science Foundations** (7 hrs)
   - Required: BSC 2010C  Biology I  4 hrs
   - Required: PSC 1121  Physical Science  3 hrs

6. **D: Social Foundations** (6 hrs)
   - Prefer: POS 2041  American National Government  3 hrs
   - Prefer: PSC 1121  Physical Science  3 hrs

7. **E: Social Foundations** (3 hrs)
   - Required: SPC 1608  Fundamentals of Oral Communication  3 hrs

8. **2. Common Program Prerequisites (CPP)** (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - Required: EDF 2005  Introduction to the Teaching Profession  3 hrs
   - Required: EDF 2085  Introduction to Diversity for Educators  3 hrs
   - Required: EME 2040  Introduction to Technology for Educators  3 hrs

9. **3. Core Requirements: Basic Level** (8 hrs)
   - Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.
   - EDF 2130  Child and Adolescent Development for Educators  3 hrs
   - CHM 2045C  Chemistry Fundamentals I  4 hrs
4. Core Requirements: Advanced Level (66 hrs)

5. Restricted Electives

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

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

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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)

1. Core Curriculum

2. Departmental Requirements

3. Professional Education Requirements

4. Professional Teaching Requirements

5. Restricted Electives

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

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

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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)

1. Core Curriculum

2. Departmental Requirements

3. Professional Education Requirements

4. Professional Teaching Requirements

5. Restricted Electives

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

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

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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)

1. Core Curriculum

2. Departmental Requirements

3. Professional Education Requirements

4. Professional Teaching Requirements

5. Restricted Electives

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

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

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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)

1. Core Curriculum

2. Departmental Requirements

3. Professional Education Requirements

4. Professional Teaching Requirements

5. Restricted Electives

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

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

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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)

1. Core Curriculum

2. Departmental Requirements

3. Professional Education Requirements

4. Professional Teaching Requirements

5. Restricted Electives

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

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

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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)

1. Core Curriculum

2. Departmental Requirements

3. Professional Education Requirements

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5. Restricted Electives

6. Capstone Requirements

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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

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
UCF Degree Programs

Sophomore Year - Spring 13 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

Junior Year - Fall 16 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
CHM 2210 Organic Chemistry I 3 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr

Junior Year - Spring 14 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Junior Year - Summer 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools

Senior Year - Fall 13 hrs
BCH 4053 Biochemistry I 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
SCE 3940 Internship 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs

Senior Year - Spring 12 hrs
SCE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Science Education - Physics (B.S.)
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
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 requirement are subject to change based on state mandates.

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer 4 hrs
PHY 2053C College Physics I 4 hrs

Junior Year - Summer 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools

Senior Year - Fall 12 hrs
EDF 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Senior Year - Spring 12 hrs
SCE 4941 Internship 12 hrs

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Junior Year - Summer 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
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RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

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Sophomore Year - Summer 4 hrs
PHY 2053C College Physics I 4 hrs

Junior Year - Summer 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools

Senior Year - Fall 12 hrs
EDF 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Senior Year - Spring 12 hrs
SCE 4941 Internship 12 hrs

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Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
407-823-2561

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- 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 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer 4 hrs
PHY 2053C College Physics I 4 hrs

Junior Year - Summer 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools

Senior Year - Fall 12 hrs
EDF 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Senior Year - Spring 12 hrs
SCE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
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Science Education - Physics (B.S.)
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
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 requirement are subject to change based on state mandates.
### Internship I Block
- **7 hrs**
  - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
  - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalexp/](http://www.education.ucf.edu/clinicalexp/).
  - Complete a portfolio according to program guidelines. This portfolio 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/clinicalexp/](http://www.education.ucf.edu/clinicalexp/).
  - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.006.

### Specialization Requirements
- **29 hrs**
  - CHM 2045 Chemistry Fundamentals I
  - CHM 2046 Chemistry Fundamentals II
  - CHM 2046L Chemistry Fundamentals Laboratory
  - MAC 2312 Calculus with Analytic Geometry II
  - MAC 2313 Calculus with Analytic Geometry III
  - PHY 2048C Physics for Engineers & Scientists I
  - PHY 3101 Physics for Engineers and Scientists III
  - SCE 4381 Programs in Teaching Science
  - Select 1: PHY 3752C Physics of Scientific Instruments or PHY 3722C Physics Laboratory-Electronics

### Internship II
- **12 hrs**
  - At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
  - Passing score on the Subject Area Examination (Physics 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
  - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalexp/](http://www.education.ucf.edu/clinicalexp/).
  - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.006.

### Select 1:
- **3 hrs**
  - PHY 3752C Physics of Scientific Instruments or PHY 3722C Physics Laboratory-Electronics

### 1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

### Acceptable Substitutes for Transfer Courses
- **None**

### Plan of Study (120 hrs)

#### Freshman Year - Fall
- **12 hrs**
  - AMH 2010 U.S. History: 1492-1877
  - ENC 1101 Composition I
  - PSY 2012 General Psychology

#### Select 1:
- **3 hrs**
  - STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics

#### Freshman Year - Spring
- **16 hrs**
  - AMH 2020 U.S. History: 1877-Present
  - MAC 2311 Calculus with Analytic Geometry I
  - SPC 1608 Fundamentals of Oral Communication
  - ENC 1102 Composition II
  - PHI 2010 Introduction to Philosophy

#### Freshman Year - Summer
- **7 hrs**
  - POS 2041 American National Government
  - MAC 2312 Calculus with Analytic Geometry II

#### Sophomore Year - Fall
- **14 hrs**
  - EDF 2008 Introduction to the Teaching Profession
  - 1 MAC 2313 Calculus with Analytic Geometry III
  - PSC 1121 Physical Science
  - PSC 1121L Physical Science Lab

#### Sophomore Year - Spring
- **13 hrs**
  - CHM 2045C Chemistry Fundamentals I
  - EDF 2130 Child and Adolescent Development for Educators
  - EDF 2085 Introduction to Diversity for Educators
  - EME 2040 Introduction to Technology for Educators

#### Sophomore Year - Summer
- **4 hrs**
  - PHY 2048C Physics for Engineers & Scientists I

#### Junior Year - Fall
- **13 hrs**
  - CHM 2046 Chemistry Fundamentals II
  - CHM 2046L Chemistry Fundamentals Laboratory
  - EEX 4242 Teaching Exceptional Students in Secondary Settings
  - EDG 4410 Teaching Strategies and Classroom Management
  - TSL 4080 Theory and Practice of Teaching ESOL

#### Senior Year - Fall
- **12 hrs**
  - ENGL 4205 Introduction to Literature for Educators
  - MAC 2314 Calculus with Analytic Geometry IV
  - PHY 2084C Physics for Engineers and Scientists III

#### Total Semester Hours Required
- **120**

#### Honors in Major
- **None**

#### Related Programs
- **None**

#### Certificates
- **None**

#### Related Minors
- **None**

#### Advising Notes
- **None**

#### Transfer Notes
- **None**

### Undergraduate Catalog 2011-2012

### UCF Degree Programs

### University of Central Florida

### 299 Undergraduate Catalog 2011-2012
UCF Degree Programs

Junior Year - Spring
- EDF 4467 Learning Theory and Assessment 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Junior Year - Summer
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Senior Year - Fall
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- SCE 3940 Internship 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs

Select 1:
- PHY 3752C Physics of Scientific Instruments or 3 hrs
- PHY 3722C Physics Laboratory-Electronics 3 hrs

Senior Year - Spring
- SCE 4941 Internship 12 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Social Science Education (B.S.)
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766
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 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-5.566. 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
- 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
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2101 Introduction to Philosophy 3 hrs

C: Mathematical Foundations
- Select 1:
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
  - Prefer STA 2014C Principles of Statistics 3 hrs

Select 1:
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2102 General Psychology 3 hrs

E: Science Foundations
- 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)
- 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

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.
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ECO 2013 Principles of Macroeconomics 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 FloridaTeacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Prior to Internship I, the student must have completed EDF 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Internship I Block (6 hrs)
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences.
- EDG 5410 Teaching Strategies and Classroom Management 3 hrs
- EDF 5567 Learning Theory and Assessment 3 hrs
- EDF 5569 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4580 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 5242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 5043 Content Reading in Kindergarten through Grade 12 3 hrs

Specialization Requirements (30 hrs)
- GEO 3471 World Political Geography 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- EUH 2000 Western Civilization I 3 hrs
- EUH 2001 Western Civilization II 3 hrs
AMH 2010  U.S. History: 1492-1877  GEP
AMH 2020  U.S. History: 1877-Present  GEP
PSY 2012  General Psychology  GEP
SSE 4036  Programs in Teaching Social Science 3 hrs
Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX) 3 hrs
Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX) 3 hrs
Upper Division American History Elective (AMH prefix courses 3/4XXX) 3 hrs
Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX) 6 hrs

Internship II 12 hrs
- At least 80% of all required social science courses and all methods courses must be completed with a letter grade of “C-“ (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Social Science 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- 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.
- SSE 4941  Internship 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in 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

Honor Programs
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 12 hrs
AMH 2010  U.S. History: 1492-1877 3 hrs
ENC 1010  Composition I 3 hrs
MGF 1106  Finite Mathematics 3 hrs
PSY 2012  General Psychology 3 hrs

Freshman Year - Spring 12 hrs
AMH 2020  U.S. History: 1877-Present 3 hrs
ENC 1102  Composition II 3 hrs
POS 2041  American National Government 3 hrs

Select 1: 3 hrs
ANT 2511  The Human Species 3 hrs
BSC 1006  Biological Principles 3 hrs

Freshman Year - Summer 6 hrs
SPC 1608  Fundamentals of Oral Communication 3 hrs
PHI 2010  Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs
EDF 2005  Introduction to the Teaching Profession 3 hrs
ECO 2013  Principles of Macroeconomics 3 hrs
PSC 1121  Physical Science 3 hrs
SYG 2000  Introduction to Sociology 3 hrs

Select 1: 3 hrs
STA 1090C  Basic Statistics Using Microsoft Excel 3 hrs
STA 2014C  Principles of Statistics 3 hrs

Sophomore Year - Spring 12 hrs
ECO 2023  Principles of Microeconomics 3 hrs
EDF 2085  Introduction to Diversity for Educators 3 hrs
EME 2040  Introduction to Technology for Educators 3 hrs
EME 2130  Child and Adolescent Development for Educators 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer 9 hrs
EUH 2000  Western Civilization I 3 hrs
TSL 4080  Theory and Practice of Teaching ESOL Students in Schools 3 hrs
Political Science Elective (CPO, INR, POS 3/4XXX) 3 hrs

Junior Year - Fall 15 hrs
EDF 4467  Learning Theory and Assessment 3 hrs
EDG 4410  Teaching Strategies and Classroom Management 3 hrs
SSE 4936  Programs in Teaching Social Science 3 hrs
EUH 2001  Western Civilization II 3 hrs
Upper Division Non-Western History Elective (AFH, AMH, ASH, LAH 3/4XXX) 3 hrs

Junior Year - Spring 12 hrs
SSE 4361  Social Science Instructional Analysis 4 hrs
SSE 3940  Internship 3 hrs
GEO 3471  World Political Geography 3 hrs
RED 2043  Content Reading in Kindergarten through Grade 12 3 hrs

Senior Year - Fall 12 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EEX 4242  Teaching Exceptional Students in Secondary Settings 3 hrs
American History Elective (AMH 3/4XXX) 3 hrs
Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, or POS 3/4XXX) 3 hrs

Senior Year - Spring 12 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
Social Sciences (B.S.)
College of Sciences
Department of Sociology, Howard Phillips Hall,
Room: 403
http://sociology.ucf.edu/
E-mail: sociology@mail.ucf.edu
Dr. H. Corzine
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. Courses may be outside the areas.
- Required Minors:

Select one of the following, depending on the concentration to be followed.
- Required ANT 2000 General Anthropology or
- Required PSY 2012 General Psychology or
- Required SYG 2020 Introduction to Sociology

E: Science Foundations
(6 hrs)
- Required SYG 2000 Introduction to Sociology

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Students must complete two introductory courses in a social science discipline.
- Course selection depends on concentration to be followed.

3. Core Requirements: Basic Level
Select one of the following Statistics courses:
- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I

Select at least three of the following, depending on concentrations to be taken:
- ANT 2000 General Anthropology or
- POS 2041 American National Government or
- PSY 2012 General Psychology or
- SPC 1608 Fundamentals of Oral Communication or
- SYG 2000 Introduction to Sociology

4. Core Requirements: Advanced Level
Select one methods’ course:
- POS 3703 Scope and Methods of Political Science or
- PSY 3213C Research Methods in Psychology or
- SYA 4300C Research Methods or
- COM 3311 Communication 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.

Optional Minors:
- Complete the requirements for 3 Social Science minors dealing with the following areas:
- Required Minors:
  - Anthropology
  - Communication
  - Political Science
  - Psychology
  - Sociology

5. Restricted Electives
- None

6. Capstone Requirements
- Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements
- Required

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, two semesters equivalent of American Sign Language, or one course with a multicultural dimension. Standardized examinations may be used to meet the requirement.

Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the areas.

Additional Requirements
- Required

10. Required Minors
- Three minors are to be selected from the following listing:
  - Anthropology
  - Anthropology in Multicultural Studies
  - Interpersonal/Organizational Communication
  - Mass Communication
  - Medical Anthropology
  - North American Indian Studies
  - Political Science
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
ENC 1101 Composition I 3 hrs
Foreign Language 4 hrs
MGF 1107 Explorations in Mathematics 3 hrs
GEP 3 hrs

Sophomore Year - Fall
13 hrs
Elective / Minor 3 hrs
GEP 4 hrs

Junior Year - Fall
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Free Elective 3 hrs

Senior Year - Fall
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Free Elective 3 hrs

Advising Notes
Students should seek advising in the Sociology department.

Transfer Notes
Lower Division courses taken at community colleges do not substitute for Upper Division courses.
Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

Plan of Study
This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
UCF Degree Programs

- Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

**Degree Requirements**
- Students who are pending Social Work and are admitted to the program must adopt the most current catalog.
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work.
- Students should complete the General Education Program, the CLAS and the Common Program Prerequisite Requirements before beginning the Social Work Program.
- Students should consult with a school advisor.
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of "C" (2.0) in each course.
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program.
- Students must complete all the requirements listed in 1-11 below.

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
     - Prefer SPC 1608 Fundamentals of Oral Communication
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)
     - Select 1:
       - Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
     - Select 1:
       - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics
   - **D: Social Foundations** (6 hrs)
     - Suggested POS 2041 American National Government
     - Suggested PSY 2012 General Psychology
   - **E: Science Foundations** (6 hrs)
     - Suggested BSC 1005 Biological Principles
   - Select 1:
     - Prefer PSC 1121 Physical Science or ASTR 2002 Astronomy
     - Suggested AST 2002 Astronomy
   - **2. Common Program Prerequisites (CPP)** (6 hrs)
     - See Transfer Notes
   - **3. Core Requirements: Basic Level** (None)
   - **4. Core Requirements: Advanced Level** (45 hrs)
     - SOW 3104 Assessing I: Human Development
     - SOW 3203 Social Work & Community Resources
     - SOW 3300 Practice I: Generalist Practice in Social Work
     - SOW 3111 Assessing II: Human Systems
     - SOW 3352 Practice II: Interpersonal Skills in Social Work
     - SOW 3401 Social Work Research
     - SOW 3620 Social Work with Diverse Populations
     - SOW 4730 Documentation in Social Work Practice
     - SOW 4232 Social Welfare Policies and Issues
     - SOW 4341 Micro-Level Roles and Interventions in Social Work
     - SOW 4343 Macro-Level Roles and Interventions in Social Work
     - SOW 4522 Field Education Seminar
     - SOW 4510 Field Education
   - **5. Restricted Electives** (3 hrs)
     - Select three hours in consultation with faculty advisor.
   - **6. Capstone Requirements** (None)
   - **7. Foreign Language Requirements**
     - No specific foreign language requirements are specified.
   - **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) is required 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.

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**Foreign Language or Cultural Diversity Requirement** (6 hrs)
- Choose two of the following suggested courses:
  - ANT 3332 People and Cultures of Latin America
  - ANT 3363 Anthropology of Japan
  - ANT 2410 Cultural Anthropology
  - ANT 3610 Language and Culture
  - ASH 4404 China in 19th and 20th Centuries
  - ASH 4442 Modern Japan, 19th and 20th Centuries
  - CPO 4303 Comparative Latin American Politics
  - HUM 3401 Asian Humanities
  - HUM 3417 Hindu Thought and Culture
  - HUM 3419 Islamic Thought and Culture
  - JST 3401 Jewish People in Antiquity
  - JST 3402 Wanderings: The Jewish People in Dispersion
  - LAH 3130 Latin American History I
  - LAH 3200 Modern Latin America
  - LAH 3400 History of Mexico and Central America
  - LAH 3470 History of the Caribbean
  - AMH 3561 Women in American History I
  - AMH 3571 Black American History I
  - AMH 3586 History of the Hispanic Minorities in the U.S.
  - ANT 3302 Sex, Gender and Culture
  - ANT 3311 Indians of the Southeastern United States
  - ANT 3313 Indians of North America High Plains
  - SOP 3724 Psychology of Prejudice
  - SOP 3742 Psychology of Women
  - ASL 3444 Introduction to Signed English and Culture of the Deaf
  - SYD 3700 Race and Ethnicity
  - EDF 2085 Introduction to Diversity for Educators
  - HSC 3593 HIV Disease: A Human Concern

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**5. Restricted Electives** (3 hrs)
- Select three hours in consultation with faculty advisor.

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**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
Select 1: 3 hrs

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
BSC 1005 Biological Principles 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PAS 1002 Public Affairs Careers 2 hrs

Select 1:
SYG 2000 Introduction to Sociology or 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
STA 2014C Principles of Statistics 3 hrs
POS 2041 American National Government 3 hrs

Select 1:
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology 3 hrs

Select 1:
MUL 2010 Enjoyment of Music or 3 hrs
THE 2000 Theatre Survey or 3 hrs
REL 2300 World Religions or 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
SOW 2020 Careers in Creating Social Change 3 hrs

Select 1:
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
EUH 2000 Western Civilization I or 3 hrs
WOH 2012 World Civilization I or 3 hrs

HUM 2210 Humanistic Tradition I or 3 hrs
AMH 2010 U.S. History: 1492-1877 or 3 hrs
Foreign Language I or Cultural Diversity 3 hrs

Sophomore Year - Spring 15 hrs
Free Elective 3 hrs
Free Elective 3 hrs

Select 1:
CHM 1020 Concepts in Chemistry or 3 hrs
PSC 1121 Physical Science or 3 hrs
AST 2002 Astronomy 3 hrs

Select 1:
EUH 2001 Western Civilization II or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
AMH 2020 U.S. History: 1877-Present or 3 hrs
Foreign Language II or Cultural Diversity 3 hrs

Sophomore Year - Summer 6 hrs
Free Elective 3 hrs
Free Elective 3 hrs

Junior Year - Fall 15 hrs
SOW 3104 Assessing: Human Development or 3 hrs
SOW 3300 Practice I: Generalist Practice in Social Work or 3 hrs
SOW 3620 Social Work with Diverse Populations 3 hrs
SOW Elective 3 hrs

Junior Year - Spring 15 hrs
SOW 3104 Assessing I: Human Development 3 hrs
SOW 3303 Social Work & Community Resources 3 hrs
SOW 3390 Practice I: Generalist Practice in Social Work 3 hrs
SOW 3620 Social Work with Diverse Populations 3 hrs
Free Elective 3 hrs

Junior Year - Summer 9 hrs
SOW 3620 Social Work with Diverse Populations 3 hrs
SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
SOW Elective 3 hrs

Senior Year - Fall 18 hrs
SOW 4232 Social Welfare Policies and Issues 3 hrs
SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
SOW 4730 Documentation in Social Work Practice 3 hrs
Free Elective 3 hrs

Senior Year - Spring 12 hrs
1 SOW 4510 Field Education 9 hrs
2 SOW 4941 Internship 5 hrs
1 SOW 4522 Field Education Seminar 3 hrs
Free Elective 3 hrs

1 For Full-time students ONLY
2 For part-time students ONLY

Senior Year - Summer 4 hrs
1 SOW 4941 Internship 4 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 Degree Programs

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
407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students’ social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today’s employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
- Students must have a "C" (2.0) or higher in all core courses.
- Co-op credit cannot be used in this major.
- Directed independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.
- No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) credit may be used for the major.
- Students should consult annually with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Math: 3 hrs
   - A satisfactory score in the Math Placement Test is required before enrolling in this course.
   Prefer MAC 1105C College Algebra 3 hrs
   Statistics: 3 hrs
   Prefer STA 2014C Principles of Statistics 3 hrs
   D: Social Foundations (6 hrs)
   Political Science/Economics 3 hrs
   Select one listed course 3 hrs
   Social Sciences 3 hrs
   Required SYG 2000 Introduction to Sociology 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.
   SYG 2000 Introduction to Sociology GEP
   SYA 3110 Social Theory 3 hrs

3. Core Requirements: Basic Level
   SYG 2000 Introduction to Sociology GEP

4. Core Requirements: Advanced Level (12 hrs)
   SYA 4300C Research Methods 4 hrs
   SYA 4450 Data Analysis 4 hrs
   SYA 3110 Social Theory CPP
   SYA 3400C Applied Social Statistics 4 hrs

5. Restricted Electives (27 hrs)
   Select from the following courses:
   - All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.
   - Students who change degree programs and select this major must maintain a UCF GPA of at least 2.0 in all courses.
   SYA 3120 Contemporary Social Theory 3 hrs
   SYA 4650C Community Action and Involvement 3 hrs
   SYA 5625 ProSeminar 3 hrs
   SYA 5652 Advanced Population 3 hrs
   SYD 3410 Urban Society 3 hrs
   SYD 3700 Race and Ethnicity 3 hrs
   SYD 4510 Environment and Society 3 hrs
   SYD 4810 Women in Contemporary Society 3 hrs
   SYD 4813 Women, Law and Social Change 3 hrs
   SYG 2010 Social Problems 3 hrs
   SYO 3000 Contemporary Society 3 hrs
   SYO 3360 Social Organization and Human Relations 3 hrs
   SYO 3410 Patterns of Mental Health in Society 3 hrs
   SYO 3530 Social Power and Inequality 3 hrs
   SYO 4100 Family Trends 3 hrs
   SYO 4200 Religion in Society 3 hrs
   SYO 4250 Education and Social Achievement 3 hrs
   SYO 4300 Political Sociology 3 hrs
   SYO 4400 Medical Sociology 3 hrs
   SYP 3300 Fads, Crowds, and Social Action 3 hrs
   SYP 3400 Social Change 3 hrs
   SYP 3510 Sociology of Deviant Behavior 3 hrs
   SYP 3511 Sociology of Murder 3 hrs
   SYP 3520 Criminology 3 hrs
   SYP 3530 Juvenile Delinquency 3 hrs
   SYP 3540 Sociology of Law 3 hrs
   SYP 3551 Patterns of Alcoholism in Society 3 hrs
   SYP 3562 Patterns of Domestic Violence in Society 3 hrs
   SYP 3602 Patterns of Popular Music in Society 3 hrs
   SYP 3630 Popular Culture in Society 3 hrs
   SYP 3650 Sports and Society 3 hrs
   SYP 4000 Sociological Social Psychology 3 hrs
   SYP 4004 Constructing Social Issues 3 hrs
   SYP 4521 Crime Victims in Society 3 hrs
   SYP 4536 Gangs and Society 3 hrs
   SYP 4550 Patterns of Drug Abuse in Society 3 hrs
   SYP 4730 Patterns of Aging in Society 3 hrs
   SYP 4732 Minority Aging 3 hrs
   SYP 5525 Sociological Criminology 3 hrs
   SYP 4514 Patterns of Violence in Society 3 hrs
   SYD 3800 Sex and Gender in Society 3 hrs
   SYD 4020 Birth, Death, and Population Trends 3 hrs

Internship:
- Eligible students may enroll for 3 to 6 semester hours of Internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.
  SYA 3940 Internship or 3 hrs
  SYA 4941 Internship or 3 hrs
  SYA 5944 Internship 3 hrs
  All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.
Graduation

- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of “C” (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.
- 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
- 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://math-placement.sdes.ucf.edu/

Freshman Year - Fall
- ENC 1101   Composition I   3 hrs
- MAC 1105C  College Algebra  3 hrs
- SYG 2000  Introduction to Sociology  3 hrs
- Foreign Language  4 hrs
- GEP  3 hrs

Sophomore Year - Fall
- SYA 4300C  Research Methods  4 hrs
- SYA 3400C  Applied Social Statistics  4 hrs

Junior Year - Fall
- SYA 3110  Social Theory  3 hrs
- SYA 4450  Data Analysis  4 hrs

Senior Year - Fall
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs

Junior Year - Spring
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs

Senior Year - Spring
- Restricted Elective  2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oceans.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term

Spanish (B.A.)

College of Arts and Humanities

Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mil.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu

Dr. Paul Giordano
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.
UCF Degree Programs

- 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)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 1 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 substitute a higher level math
   - FOL 3730 Romance Philology 3 hrs
   - SPN 4801 Spanish Morphosyntax 3 hrs
   - SPN 4800 Spanish-American Syntax 3 hrs
   - SPN 4780 Spanish Phonetics 3 hrs
   - SPN 3234 Advanced Directed Readings 3 hrs
   - SPN 3234 3 hrs
   - SPN 3234 3 hrs
   - SPN 3234 3 hrs
   - SPN 3234 3 hrs

3. Core Requirements: Basic Level
   - SPN 3234 Advanced Directed Readings 3 hrs
   - SPN 3234 3 hrs
   - SPN 3234 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
- 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

5. Restricted Electives (21 hrs)
   - Select one of the following 3 hrs
     - FOL 3730 Romance Philology 3 hrs
     - SPN 4801 Spanish Morphosyntax 3 hrs
     - SPN 4800 Spanish-American Syntax 3 hrs
     - SPN 4780 Spanish Phonetics 3 hrs
     - SPN 3852 Bilinguismo 3 hrs
   - Spanish Literature beyond the survey level 6 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.
   - Electives
     - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   - 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
    - 24 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A 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
- ANT 2000 General Anthropology 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- Elective / Minor 3 hrs
Freshman Year - Spring
ENC 1102 Composition II 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
Elective / Minor 4 hrs

Sophomore Year - Fall
AMH 2010 U.S. History: 1492-1877 3 hrs
ARH 2050 History of Western Art I 3 hrs
POS 2041 American National Government 3 hrs
PSC 1121 Physical Science 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Sophomore Year - Spring
BSC 1005 Biological Principles 3 hrs
MUL 2010 Enjoyment of Music 3 hrs
COM 1000 Introduction to Communication 3 hrs
SPN 3234 Advanced Directed Readings 3 hrs
Elective / Minor 3 hrs

Junior Year - Fall
SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
SPN 3420 Spanish Composition 3 hrs
SPN 3750 Advanced Spanish Oral Communication 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Junior Year - Spring
SPW 3101 Survey of Spanish Literature II 3 hrs
SPN 4780 Spanish Phonetics 3 hrs
SPN 3141 Business Spanish II 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Senior Year - Fall
SPW 3100 Survey of Spanish Literature I 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs
SPN 5705 Introduction to Spanish Linguistics 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Senior Year - Spring
SPW 3131 Survey of Latin-American Literature II 3 hrs
SPW 4381 Latin-American Theatre/Poesy 3 hrs
SPN 4410 Advanced Spanish Conversation 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college, state college or university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.5 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.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a “C” (2.0) in each required course and maintain an overall GPA of at least 2.5.
- Prior to participation in Sport and Exercise Science Practicum, students must have achieved admission into one of the two areas of specialization.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete departmental application and approval process of the organization with which they will be working.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Elective from GEP section B.2 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1108 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 SPC 1608 Fundamentals of Oral Communication 3 hrs

E: Science Foundations (7 hrs)
- Required BSC 2010C Biology I 4 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (18 hrs)

Core Requirements for Sport and Exercise Science: 18 hrs
- PET 2504 Introduction to Sport and Exercise Science 3 hrs
- PET 3097 Health and Wellness 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4351C Exercise Physiology 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
- Select one Specialization below: Sport Leadership OR Exercise Science; Select Electives- approved by advisor

A. Sport Leadership Specialization

A1. Coaching 36 hrs
- ATR 2010C Athletic Injuries: Mechanisms and Prevention 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
Select four courses from the following list (must see advisor):

**SpM 3204** Sports and Ethics or **SpM 3415** Public Relations in Sport and Exercise Science
**PET 3768** Group Exercise Instruction or **PET 3771** Strength and Conditioning Concepts or **PET 4215** Motivational Aspects of Athletic Performance or **EEC 3700** Social and Emotional Development of Young Children or **EEC 4303** Planning Creative Activities in Early Childhood Education or **EEC 4604** Classroom Management and Guidance of Young Children or **EEC 4661** Early Childhood Education Theory and Practice

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**5. Restricted Electives**
- None

**6. Capstone Requirements**
- **PET 3137** Concepts and Practices in Sport and Exercise Science (12 hrs)

**Select 1:**
- **PET 4926** Sport and Exercise Science Practicum or (9 hrs)
- Take 3 additional electives in the program approved by the advisor (9 hrs)

**1** A. For Sport Leadership majors OR B. For Exercise Science majors
- During the final year of the program, students will complete Practicum requirements in an area that is specific to their desired career goals. In order to be placed into practicum, students will need to have a 2.75 GPA. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they hope to work. The students 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 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 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.

**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**
- (14 hrs) Students have the opportunity to add additional courses within the major to strengthen their learning experience, perform a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate work in medicine, physical therapy and other allied health graduate programs.

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- A minimum overall GPA of 2.5.

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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
- Coaching
- Fitness Training
- Recreation

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSY 2012 General Psychology 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- 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
- PET 2084 Introduction to Sport and Exercise Science 3 hrs
- GEP B.1 3 hrs
- Elective 6 hrs

Sophomore Year - Spring
- PET 3097 Health and Wellness 3 hrs
- GEP B.1 3 hrs
- Specialization or Elective 9 hrs

Junior Year - Fall
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- SPM 3504 Fiscal and Facilities: Issues in Sport and Exercise Science 3 hrs
- Specialization/Elective Courses 12 hrs

Junior Year - Spring
- PET 3137 Concepts and Practices in Sport and Exercise Science 3 hrs

Junior Year - Summer
- Specialization course 3 hrs

Senior Year - Fall
- Specialization/Elective courses 15 hrs

Senior Year - Spring
- PET 3137 Concepts and Practices in Sport and Exercise Science 3 hrs
- Select 1: 9 hrs

Sophomore Year - Fall
- PET 2084 Introduction to Sport and Exercise Science 3 hrs
- GEP B.1 3 hrs
- Elective 6 hrs

Sophomore Year - Spring
- PET 3097 Health and Wellness 3 hrs
- GEP B.1 3 hrs
- Specialization or Elective 9 hrs

Junior Year - Fall
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- PET 4351C Exercise Physiology 3 hrs
- Specialization course 6 hrs

Junior Year - Spring
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- Specialization/Elective Courses 12 hrs

Junior Year - Summer
- Specialization course 3 hrs

Senior Year - Fall
- Specialization/Elective courses 15 hrs

Senior Year - Spring
- PET 3137 Concepts and Practices in Sport and Exercise Science 3 hrs
- Select 1: 9 hrs

9 hours of courses in major 9 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

Statistics (B.S.)

College of Sciences
Department of Statistics, Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
E-mail: statistics@ucf.edu
Dr. David Nickerson, 407-823-5528
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.
### UCF Degree Programs

- 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.
- The total hours to more than 36.

#### 1. UCF General Education Program (GEP)
- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Statistical Methods I 3 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers 3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I 4 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (7 hrs)</th>
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<tr>
<td>STA 2023 Statistical Methods I 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Statistical Methods I 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations (8 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Statistical Methods I 3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (15 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information, including some possible substitutes.

| COP 3223 Introduction to Programming with C 3 hrs |
| MAC 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 |
| STA 2023 Statistical Methods I GEP |

Complete two laboratory courses designed for science. 8 hrs
- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.

| BSC 2010C Biology I 4 hrs |
| CHM 2045C Chemistry Fundamentals I or 4 hrs |
| PHY 2053C College Physics I or 4 hrs |

#### 3. Core Requirements: Basic Level

| STA 2023 Statistical Methods I GEP/CPP |
| MAC 2311 Calculus with Analytic Geometry I GEP/CPP |
| MAC 2312 Calculus with Analytic Geometry II CPP |
| MAC 2313 Calculus with Analytic Geometry III CPP |
| BSC 2010C Biology I GEP/CPP |

#### 4. Core Requirements: Advanced Level (43 hrs)

| STA 2102 Computer Processing of Statistical Data 3 hrs |
| STA 2163 Statistical Methods II 3 hrs |
| STA 2164 Statistical Methods III 3 hrs |
| STA 2132 Statistical Theory I 3 hrs |
| STA 2132 Statistical Theory II 3 hrs |
| ENC 3241 Writing for the Technical Professional 3 hrs |
| COP 3502C Computer Science I 3 hrs |
| COT 4500 Numerical Calculus 3 hrs |

Select 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: 12 hrs
- 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) courses.

| 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 |

#### 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
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

| MAC 2254 Applied Calculus II 3 hrs |
| MAC 2253 Applied Calculus I 3 hrs |
| MAC 2244 Applied Calculus II 3 hrs |
| MHF 4404 History of Mathematics 3 hrs |

All MAE courses

#### 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.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

| 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 |

#### Total Semester Hours Required
- 120

| 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 |

| COP 3100C Introduction to Discrete Structures or 3 hrs |
| MHF 3302 Logic and Proof in Mathematics 3 hrs |

#### Related Programs
- Mathematics - Applied Track
- Mathematics Education

#### Certificates
- None

#### Advising Notes
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
### Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
- Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and still may need to be taken.
- Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However, the listed biology courses is also a core requirement and will need to be taken.
- Statistics: 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.

#### Freshman Year - Fall
- STA 2023  Statistical Methods I  3 hrs
- ENC 1101  Composition I  3 hrs
- MAC 2311  Calculus with Analytic Geometry I  4 hrs
- GEP  3 hrs

#### Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- BSC 2010C  Biology I  4 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs

#### Select one course:
- CHM 2045C  Chemistry Fundamentals I  or  4 hrs
- PHY 2053C  College Physics I  4 hrs

#### Sophomore Year - Fall
- GEP  3 hrs
- MAC 2313  Calculus with Analytic Geometry III  4 hrs
- STA 4163  Statistical Methods II  3 hrs
- ECO 2013  Principles of Macroeconomics  3 hrs

#### Sophomore Year - Spring
- COP 3223  Introduction to Programming with C  3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- STA 4164  Statistical Methods III  3 hrs

#### Junior Year - Fall
- STA 4321  Statistical Theory I  3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs

#### Junior Year - Spring
- STA 4322  Statistical Theory II  3 hrs
- Core Course 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

#### Senior Year - Fall
- STA 4403  Numerical Calculus  3 hrs
- STA 4102  Computer Processing of Statistical Data  3 hrs
- Core Course 3 hrs
- ENC 3324  Writing for the Technical Professional  3 hrs
- Take SOA EXAM P (Probability).

#### Senior Year - Spring
- GEP  3 hrs
- GEP  3 hrs

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### Technical Education and Industry Training (B.S.)

#### College of Education

Department of Educational and Human Sciences, Education Complex, Room: ED 123 N


Dr. Jo Ann M. Whiteman, ED 123 N, jwhitema@mail.ucf.edu, 407-325-6293

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](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)

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>Required ENC 1101 Composition I 3 hrs</td>
</tr>
<tr>
<td></td>
<td>Required ENC 1102 Composition II 3 hrs</td>
</tr>
<tr>
<td></td>
<td>Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
</tr>
</tbody>
</table>

#### 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level
- None

#### 4. Core Requirements: Advanced Level (57 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADE 4382</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 3062</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 3365</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 3367</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECW 3564</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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**University of Central Florida**

313 Undergraduate Catalog 2011-2012
Advising Notes

Related Minors

Certificates

Honors In Major

Total Semester Hours Required

CLAS and nine hours of Summer credit (if applicable)

by Exam, and Armed Forces credits permitted.

12. University Minimum Exit Requirements

11. Departmental Exit Requirements

10. Required Minors

9. Additional Requirements

8. Electives

7. Foreign Language Requirements

Admissions

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

9. 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

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.

4. Electives

- None

3. Subtotal Hours (120 hrs)

2. 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.

1. Year-by-Year Study Plan (120 hrs)

**Freshman Year - Fall** 15 hrs

ECT 1104  Introduction to the Technical Field  3 hrs

ECT 1106  Principles and Practices of Vocational Education  3 hrs

Technical Specialization Course 3 hrs

Starter Core Course 3 hrs

**Freshman Year - Spring** 15 hrs

ECT 1106  Principles and Practices of Vocational Education  3 hrs

Technical Specialization Course 3 hrs

Starter Core Course 3 hrs

**Sophomore Year - Fall** 12 hrs

ECT 2005  Introduction to the Teaching Profession  3 hrs

EME 2042  Introduction to Technology for Educators  3 hrs

Technical Specialization Course 3 hrs

Science Foundations Course 3 hrs

Cultural-Historical Foundations Course 3 hrs

Social Foundations Course 3 hrs

**Sophomore Year - Spring** 12 hrs

ECT 2005  Introduction to the Teaching Profession  3 hrs

EME 2042  Introduction to Technology for Educators  3 hrs

Technical Specialization Course 3 hrs

Science Foundations Course 3 hrs

Cultural-Historical Foundations Course 3 hrs

Social Foundations Course 3 hrs

**Sophomore Year - Summer** 6 hrs

ECW 3564  Special Populations in Career & Technical Education  3 hrs

**Junior Year - Fall** 15 hrs

ECT 3365  General Methods/Testing Evaluation in Career & Technical Education  3 hrs

Technical Specialization Courses 12 hrs

**Junior Year - Spring** 15 hrs

ECT 3062  Professional Role of the Vocational Teacher  3 hrs

ECT 3367  Evaluation of Vocational Instruction  3 hrs

Technical Specialization Courses 9 hrs

**Junior Year - Summer** 6 hrs

ECT 4004  Principles and Practices of Technical Education  3 hrs

ECT 4184  Curriculum Development Techniques for Industry Training  3 hrs

**Senior Year - Fall** 12 hrs

ADE 4382  Teaching Adult Learners in Technical Programs  3 hrs

ECT 4384  Advanced Teaching Techniques for Vocational Education  3 hrs

Upper Division Electives 6 hrs

**Senior Year - Spring** 12 hrs

ECT 4941  Internship  12 hrs

**Senior Year - Summer**

- See advisor for certification details.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oears.ucf.edu/aic/academic_learning_compacts.htm
The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides students with a very structured and intensive career preparation in either Acting, Stage Management, or Design & Technology. The BFA is an also excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors.
- Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.
- An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.
- Design & Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student’s best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a promptbook 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 website at http://www.theatre.ucf.edu.
- Courses designated 2 (Common Program Prerequisites) are usually taken 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)

1 Required THE 2020 Survey of Theatre for Majors 3 hrs
2 Required ARH 2051 History of Western Art II 3 hrs
### UCF Degree Programs

**Acting**
- 3 hrs
  - Acting specialization take Acting I. Design & Technology and Stage Management take Fundamentals of Acting
  - TPP 2110C Acting I - Introduction or TPP 2101 Fundamentals of Acting 3 hrs

**Technical Theatre Production or Stagecraft I**
- Acting Select Technical Theatre Production sequence. Design & Technology and Stage Management select Stagecraft I.
  - TPA 2201 Technical Theatre Production and TPA 2201L Technical Theatre Production Lab 2 hrs
  - or TPA 2210 Stagecraft I 3 hrs

**Acting II or Stagecraft II**
- Acting Specialization take Acting II. Design & Technology and Stage Management take Stagecraft II sequence.
  - TPP 2170C Acting II - The Actor Prepares 3 hrs
  - or TPA 2211 Stagecraft II 3 hrs

**Design Basics or Elective**
- Design & Technology and Stage Management select TPA 2000C. Acting Select Elective.
  - TPA 2000C Theatre Design Basics 3 hrs
  - or Theatre Elective offered by Theatre Department (DAA, THE, TPA, TPP Prefix)
  - 3 hrs

1 *See Transfer Notes for possible substitutes.

### 3. Core Requirements: Basic Level (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 3311 Theatre History and Dramatic Literature I</td>
<td>3</td>
</tr>
<tr>
<td>THE 3312 Theatre History and Dramatic Literature II</td>
<td>3</td>
</tr>
<tr>
<td>THE 3313 Theatre History and Dramatic Literature III</td>
<td>3</td>
</tr>
<tr>
<td>THE 2081C Introduction to UCF Theatre</td>
<td>0</td>
</tr>
<tr>
<td>THE 4954 Theatre Exit Critique</td>
<td>0</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (64 hrs)

**Specialization: select one area**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 2248C Makeup Techniques and</td>
<td>2</td>
</tr>
<tr>
<td>DAA 2200C Ballet I and</td>
<td>2</td>
</tr>
<tr>
<td>TPP 2710C Voice Production I and</td>
<td>2</td>
</tr>
<tr>
<td>TPP 3172C Acting III - Building the Character and</td>
<td>3</td>
</tr>
<tr>
<td>TPP 3510C Movement for the Actor I and</td>
<td>2</td>
</tr>
<tr>
<td>TPP 3513C Movement for the Actor II and</td>
<td>2</td>
</tr>
<tr>
<td>TPP 4512C Stage Combat and</td>
<td>2</td>
</tr>
<tr>
<td>TPP 3257C Musical Theatre Voice I and</td>
<td>2</td>
</tr>
<tr>
<td>TPP 3258C Musical Theatre Voice II and</td>
<td>2</td>
</tr>
<tr>
<td>TPP 3711C Voice Production II and</td>
<td>2</td>
</tr>
<tr>
<td>TPP 3712C Voice Production III and</td>
<td>2</td>
</tr>
<tr>
<td>TPP 4730C Dialects and</td>
<td>2</td>
</tr>
<tr>
<td>TPP 4140C Acting IV - Creating the Role and</td>
<td>3</td>
</tr>
<tr>
<td>TPP 4142C Acting Verse and</td>
<td>3</td>
</tr>
<tr>
<td>TPP 4265C Camera Acting and</td>
<td>3</td>
</tr>
<tr>
<td>TPP 4531C Period Movement and</td>
<td>2</td>
</tr>
<tr>
<td>TPP 4221 Auditioning and</td>
<td>3</td>
</tr>
<tr>
<td>TPP 2190L Theatre Participation-Performance I and</td>
<td>1</td>
</tr>
<tr>
<td>TPP 4940L Theatre Internship and</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>64</strong></td>
</tr>
</tbody>
</table>

1 This course is taken twice

### 5. Restricted Electives
- 12 hrs
- (except where required for a specialization - see specializations for credit hours)
11. Departmental Exit Requirements

- 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.
- Complete 30 of the last 39 hours of course work 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
- A 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
- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - THE 2020 May use any introductory course, however, 3 hrs
  - THE 2081 is a required course taught in conjunction with THE 2020. You must take THE 2081 at UCF. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.
  - THE 2304 May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute.
  - TPA 2210 may be substituted with any introductory Stagecraft Course. Lab will still need to be taken.
  - TPA 2201 may be substituted with any introductory Stagecraft course. 3 hrs
  - TPP 3310C Directing for Theatre I 3 hrs
  - TPP 4311C Advanced Directing for Theatre 3 hrs
  - TPP 4243C Circus Arts 2 hrs
  - TPP 4193L Theatre Participation-Performance II 1 hr
  - TPP 4143C Acting Styles 3 hrs
  - TPP 4284C Advanced Topics in Technical Theatre 3 hrs
  - TPP 4210C Stagecraft Course.  Lab will still need to be taken.
  - TPP 3197L Summer Theatre Studio/Tech/Design I 3 hrs
  - TPP 3195L Summer Theatre Studio/Tech/Design II 3 hrs
  - TPP 3260C Sound Design for Theatre I 3 hrs
  - TPP 3060C Scenic Design for Theatre I 3 hrs
  - TPP 3040C Costume Design for Theatre I 3 hrs
  - TPP 3020C Lighting Design for Theatre I 3 hrs
  - TPP 3001C Stage Management Basics 3 hrs
  - TPP 3197L Summer Theatre Studio/Tech/Design II 3 hrs
  - TPP 2201C Lighting Design for Theatre I 3 hrs
  - TPP 2210 May be substituted with any introductory course, however, 3 hrs
  - TPP 2201 May be substituted with any introductory Stagecraft course. 3 hrs
Admission Requirements

- Entrance into most theatre classes is restricted to majors.
- Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.
- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit http://www.theatre.ucf.edu for details.
- All students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a 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 website at http://www.theatre.ucf.edu.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated 1 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated 2 (Common Program Prerequisites) are usually completed 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 1060C 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.

3. Core Requirements: Basic Level (20 hrs)

MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
DAA 2200C Ballet I 2 hrs
DAA 2201C Ballet II 2 hrs
DAA 2570C Jazz Dance I 2 hrs
DAA 2571C Jazz Dance II 2 hrs
DAA 2520C Tap Dance I 2 hrs
TPA 2245C Makeup Techniques 2 hrs
THE 2081C Introduction to UCF Theatre 0 hrs
4. Core Requirements: Advanced Level (50 hrs)
TPP 3172C Acting III - Building the Character 3 hrs
TPP 4140C Acting IV - Creating the Role 3 hrs
TPP 3250 Musical Theatre Acting I 3 hrs
TPP 3252 Musical Theatre Acting II 3 hrs
THE 4244 Musical Theatre History I 3 hrs
THE 4245 Musical Theatre History II 3 hrs
THE 3311 Theatre History and Dramatic Literature I 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
TPP 3257C Musical Theatre Voice I 2 hrs
TPP 3258C Musical Theatre Voice II 2 hrs
TPP 4259C Musical Theatre Voice III 2 hrs
TPP 4292C Musical Theatre Voice IV 2 hrs
1 TPP 4746C Musical Theatre Repertoire 2 hrs
TPP 4940L Theatre Internship 6 hrs
TPP 4253C Musical Theatre Acting III 3 hrs
TPP 4223C Theatre Careers for Performance 3 hrs
THE 4954 Theatre Exit Critique 0 hrs
Select 1: 2 hrs
■ (1 credit course, must be taken twice)
TPP 4293L Theatre Participation-Production II or 1 hr
THE 4093L Theatre Participation-Management II or 1 hr
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 4531C Period Movement or 2 hrs
TPP 4512C Stage Combat 2 hrs

5. Restricted Electives (1 hr)
■ Chosen from the following
DAN 3134 Dance History I 3 hrs
DAA 3812 Dance Improvisation/Composition I 3 hrs
DAA 2100C Modern Dance I 2 hrs
DAA 3684 Dance Performance 1 hr
DAA 2521C Tap Dance II 2 hrs
DAA 3524C Tap Dance III 2 hrs
DAA 3208C Ballet III 2 hrs
DAA 2101C Modern Dance II 2 hrs
DAA 3108C Modern Dance III 2 hrs
DAA 2393C World Dance 2 hrs
DAA 3645 Choreography Practicum 2 hrs
TPP 4730C Dialects 2 hrs
TPP 4142C Acting Verse 3 hrs
TPP 4265C Camera Acting 3 hrs
TPP 4268C Acting VII Advanced Acting For TV/Film 3 hrs
THE 4420 Cultural Diversity in Theater 3 hrs
1 THE 5307 Contemporary Theatre Practice 3 hrs
TPA 3195L Summer Theatre Studio/Design I 3 hrs
TPA 3197L Summer Theatre Studio/Design II 3 hrs
TPP 3952L Summer Studio Performance 3 hrs
TPP 4143C Acting Styles 3 hrs
1 TPA 2600 Stage Management Basics 3 hrs
TPA 4400 Theatre Management 3 hrs
THE 4284 Period Costume, Architecture, and Decor I 3 hrs
THE 4285 Period Costume, Architecture, and Decor II 3 hrs
TPP 4221 Auditioning 3 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
1 TPP 4311C Advanced Directing for Theatre 3 hrs
THE 4093L Theatre Participation-Management II 1 hr
TPA 4293L Theatre Participation-Production II 1 hr
TPP 4193L Theatre Participation-Performance II 1 hr
TPP 3601 Stage Management 3 hrs
TPP 4512C Stage Combat 2 hrs
TPP 4243C Circus Arts 2 hrs
THE 4423 Women in Theatre 3 hrs
THE 4543 Theatre for Social Change 3 hrs
THE 4212 Global Theatre 3 hrs
THE 3583 Tabor Theatre: Sex & Violence on Stage 3 hrs
THE 2250 Sex, Drugs, & the Rock and Roll Musical 3 hrs
Honors in the Major Directed Readings and Thesis 3-6 hrs
THE 4912 Undergraduate Research (see #1 footnote) 3-6 hrs
THE 4905 Independent Study (see #1 footnote) 1-9 hrs

1 Other THE, TPA, TPP, DAA or DAN courses not already required and as approved by the department requires instructor and departmental approval in advance.

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
■ None

8. Electives
■ (variable)

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Earn a grade of “C” (2.0) or better in each Theatre course
■ Maintain a “B” Theatre GPA (3.0) or better
■ Complete an Exit Survey, Exit Interview, and Audit Check the semester prior to final semester of theatre classes
■ Minimum of 60 theatre credits must be completed in residency at UCF
■ Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
■ Computer Competency met by STA 1060C or a computer science course.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 48 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A 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
■ Music
■ Film - Cinema Studies
■ Theatre
■ Dance

Related Minors
■ Music
■ Film - Cinema Studies
■ Theatre
■ Dance

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
■ 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:

UCF Degree Programs
UCF Degree Programs

**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

407-823-2862

The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

**Admission Requirements**

- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit http://www.theatre.ucf.edu.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from the program.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program. Departmental Residency Requirement consists of at least 30 semester hours of courses taken from the UCF Theatre Department.

**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

**1** may use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and may still need to be taken.

**1** may substitute with: TPP 2101

**1** may substitute with: TPA 2201

TPP 3310C  Directing for Theatre I

may be substituted with: TPA 2200

may be substituted with: TPP 2300

**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

**1** may substitute with: TPP 2101

**1** may substitute with: TPA 2201

TPP 3310C  Directing for Theatre I

may be substituted with: TPA 2200

may be substituted with: TPP 2300

1. **University of Central Florida**

2. **Undergraduate Catalog 2011-2012**

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1 TPP 4193L Theatre Participation-Performance II 1 hr
1 THE 5307 Contemporary Theatre Practice 3 hrs
1 TPA 2246C Makeup Techniques 2 hrs
THE 4284 Period Costume, Architecture, and Decor I 3 hrs
THE 4285 Period Costume, Architecture, and Decor II 3 hrs
TPP 3195L Summer Theatre Studio/ Tech/Design I 3 hrs
TPA 3197L Summer Theatre Studio/ Tech/Design II 3 hrs
1 TPA 2600 Stage Management Basics 3 hrs
TPA 4400 Theatre Management 3 hrs
TPP 3103 Intermediate Acting 3 hrs
TPP 3197L Summer Theatre Performance 3 hrs
TPP 3952L Summer Studio Performance 3 hrs
1 TPP 4311C Advanced Directing for Theatre 3 hrs
TPA 3601 Stage Management 3 hrs
TPP 4243C Circus Arts 2 hrs
THE 4912 Directed Independent Research 1 hr
TPP 4512C Stage Combat 2 hrs
THE 4423 Women in Theatre 3 hrs
THE 4543 Theatre for Social Change 3 hrs
THE 4212 Global Theatre 3 hrs
THE 3383 Taboo Theatre: Sex & Violence on Stage 3 hrs
THE 2250 Sex, Drugs, & the Rock and Roll Musical 3 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 requires departmental approval in advance

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor. 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/ advisng support targeted at specific career paths. Please see the departmental handbook for a more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

11. Departmental Exit Requirements

■ Earn a grade of “C” (2.0) or better in each Theatre course.
■ Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
■ Complete an Exit Survey, and Exit Interview/Audit Check the semester prior to final semester of theatre classes.
■ Minimum of 30 theatre credits must be completed in residency at UCF.
■ Computer Competency met by the following or Computer Science Course:
  STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

■ 120

Honors In the Major

■ None

Related Programs

■ Film
■ Music
■ Theatre

Certificates

■ None

Related Minors

■ Art - Studio
■ Film - Cinema Studies
■ Theatre
■ Dance

Advising Notes

■ None

Transfer Notes

■ Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

1 THE 2020 Survey of Theatre for Majors 3 hrs
1 may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
2 TPP 2101 Fundamentals of Acting 3 hrs
2 may use any introductory acting course

1 TPP 2101 Fundamentals of Acting 3 hrs
1 may use any introductory course. However, TPP 2101 is a prerequisite for all Theatre courses and will still need to be taken.

1 TPA 2200 Technical Theatre Production 2 hrs
1 may be substituted with: TPP 2300
2 2 hrs

1 TPA 2201 Technical Theatre Production 2 hrs
1 may be substituted with: TPP 3310C Directing for Theatre I 3 hrs
2 TPP 3310C Directing for Theatre I 3 hrs
2 may use any introductory acting course

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

■ Part-Time Student: $45 per term
■ Full-Time Student: $90 per term
Minors and Certificates

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed. A student may declare a minor up to but no later than the submission of the online “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

**Minors**

- Accounting
- Actuarial Science
- Aerospace Studies
- African American Studies
- Aging Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Art - Studio
- Art History
- Asian Studies
- Astronomy
- Bioengineering
- Biology
- Biomedical Sciences
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communication Sciences and Disorders
- Community Arts - PAVE
- Computer Science
- Crime, Law, and Deviance
- Criminal Justice
- Dance
- Digital Media
- Diversity and Social Inequality
- Early Childhood Development and Education
- Economic Policy
- Economics
- Education
- Emergency Management and Homeland Security
- Energy and Sustainability
- Engineering Leadership
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English Language Arts Education
- Entrepreneurship
- Environmental Studies
- European Studies
- Exceptional Education
- Film - Cinema Studies
- Finance
- Fitness Training
- Foreign Language Education
- French
- German
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Humanities
- Information Technology
- Intelligent Robotic Systems
- Interdisciplinary Informatics Technology
- International and Global Studies
- International Business
- International Engineering
- Interpersonal/Organizational Communication
- Italian
- Journalism Studies
- Judaic Studies
- Latin American Area Studies

**Leadership Studies**
- Legal Studies
- Magazine Journalism
- Marketing
- Mass Communication
- Mass Culture and Collective Behavior
- Mathematics
- Mathematics Education
- Medical Anthropology
- Medical Sociology
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Music
- Nonprofit Management/American Humanics
- National Certification Program
- North American Indian Studies
- Performing Arts Administration
- Philosophy
- Philosophy, Religion and Popular Culture
- Physics
- Political Science
- Political Science/Prelaw
- Psychology
- Public Administration
- Real Estate
- Recreation
- Religious Studies
- Science Education
- Secure Computing and Networks
- Social Science Education
- Sociology
- Spanish
- Sport Business Management
- Statistics
- Technical Education and Industry Training
- Technological Entrepreneurship
- Theatre
- Urban and Regional Planning
- Women’s Studies
- World Comparative Studies
- Writing and Rhetoric

**Certificate**

- 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
- Public and Professional Writing Certificate
- Real Estate: Mortgage Brokerage Certificate
- Real Estate: Real Estate Appraisal Certificate
- Real Estate: Real Estate Brokerage Certificate
- Security Management Certificate
- Service-Learning Certificate
- Substitute Teaching Certificate
- Teaching English as a Foreign Language Certificate
- Translation and Interpretation Certificate
- Victim Advocacy Certificate
- Women’s Studies Certificate

**Additional UCF Programs**

- Study Abroad Programs:
  - Australia
  - Austria
  - Brazil
  - The Bahamas
  - China
  - Costa Rica
  - Czech Republic
  - France
  - Germany
  - Honduras
  - Ireland
  - Italy
  - Japan
  - The Netherlands
  - Peru
  - Poland
  - Russia
  - Spain
  - Sweden
  - Taiwan
  - United Kingdom
### Accounting - Minor

**College of Business Administration**  
Kenneth G. Dixon School of Accounting,  
Business Administration II, Room: 101  
407-823-2164

For Business and Non-Business Majors.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- (9 hrs)
  - ACG 2021 Principles of Financial Accounting  3 hrs
  - ACG 2071 Principles of Managerial Accounting  3 hrs

**Select 1:**
- 3 hrs
  - May not be counted as an elective if selected as a required course.
  - ACG 3131 Intermediate Financial Accounting I or  3 hrs
  - 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 Intermediate Financial Accounting I  3 hrs
  - ACG 3361 Cost Accounting I  3 hrs
  - ACG 3141 Intermediate Financial Accounting II  3 hrs
  - ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations  3 hrs
  - ACG 4401C Accounting Information Systems  3 hrs
  - ACG 4651 Auditing  3 hrs
  - TAX 4001 Taxation of Business Entities and Transactions  3 hrs
  - FIN 3414 Intermediate Corporate Finance  3 hrs
  - FIN 4453 Financial Models  3 hrs
  - ISM 3253 MIS Techniques  4 hrs
  - ISM 4212C Database Design and Implementation  4 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 25

**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. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

### Actuarial Science - Minor

**College of Sciences**

Department of Statistics, Computer Center II,  
Room: 212  
Dr. David Nickerson, nickerson@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.

**Minor Requirements**
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

- Students are expected to have completed some of the following courses as part of their GEP requirement.
  - ECO 2013 Principles of Macroeconomics  3 hrs
  - MAC 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 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

**Required Courses**
- (25 hrs)
  - ACG 2021 Principles of Financial Accounting  3 hrs
  - ACG 2071 Principles of Managerial Accounting  3 hrs
  - MAC 2311 Calculus with Analytic Geometry I  4 hrs
  - ECO 2013 Principles of Microeconomics  3 hrs
  - FIN 3403C Business Finance  4 hrs
  - STA 4183 Theory of Interest  3 hrs
  - STA 4184 Introduction to Derivative Markets  3 hrs
  - STA 4186 Theory of Derivative Pricing  3 hrs
  - STA 4652 Applied Time Series  3 hrs

**Restricted Electives**
- No additional courses are required.

**Foreign Language Requirements**
- No Foreign Language is required.

**Total Semester Hours Required**
- 25

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Any course substitutions must be approved by the program coordinator in advance of their being taken.

### Aerospace Studies - Minor

**College of Engineering and Computer Science**

Air Force ROTC, ROTC Trailer, Room: 103  
Col. Michael J. Chandler  
Phone: 407-823-1247

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- (16 hrs)

**Required Courses**
- (16 hrs)
  - AFR 1101C 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

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Minors

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 16

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

African American Studies - Minor
College of Arts and Humanities
Program in African American Studies, Colbourn Hall, Room: 411
http://www.aas.cah.ucf.edu/
J. 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

Minor 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 3102 Black Perspectives: A Multidisciplinary Approach 3 hrs
- AFA 2300 African American Music 3 hrs
- AFA 3955 Study Abroad in Eastern Caribbean 6 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
- ARH 3520 African Art 3 hrs
- INR 3253 International Politics of Africa 3 hrs
- FIL 3831 Black Cinema 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAS 4023 African Caribbean Experience 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- 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
- 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
- AMH 3403 History of the South Since 1865 3 hrs
- ANT 3398 Black/Seminole Relations 3 hrs
- ANT 3319 Anthropology of Diaspora 3 hrs
- ANT 3430 Caribbean Cultures 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Aging Studies - Minor
College of Health and Public Affairs
School of Social Work, Health and Public Affairs, Room: 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator
Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Minor Admission Requirements
- None

Minor Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
- None

Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs
- Select One:
  - HSA 4941 Internship 3 hrs
  - PSY 3951 Undergraduate Field Work 3 hrs
  - SYP 4941 Internship 3 hrs
  - 1 SOW 4510 Field Education 9 hrs
  - 2 SOW 4941 Internship 9 hrs
- 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 4220 Long Term Patient Management 3 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs

Other Colleges
- DEP 4346 Psychology of Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- GEY 5007 Women and Healthy Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs
- 1 Open to undergraduates with senior standing

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
American Studies - Minor
College of Arts and Humanities
CAH Dean’s Office, Room: 190
http://www.cah.ucf.edu
Lyman Brodie, lbrodie@mail.ucf.edu, 407-823-2292
Phone: 407-823-2251

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- Literature and Humanities 3 hrs
  Select 1:
  - AML 3031 American Literature I or
  - AML 4101 American Novel or
  - AML 4261 Literature of the South or
  - AML 3682 Ethnic Literature in America

Social Sciences 3 hrs
Select 1:
- POS 3413 The American Presidency or
- POT 3204 American Political Thought or
- SYD 3700 Race and Ethnicity or
- SYP 3630 Popular Culture in Society

History 3 hrs
Select 1:
- AMH 3561 Women in American History I or
- AMH 4110 Colonial America, 1607-1763 or
- AMH 4130 The Age of the American Revolution, 1763-1789 or
- AMH 4311 American Culture I or
- AMH 4313 American Culture II

Restricted Electives (12 hrs)
- 12 additional upper level hours. Select courses not already used from lists above.
- Foreign Language Requirements
  - None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (2.0) are not accepted.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

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.

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
- Ant 2000 General Anthropology

Restricted Electives (15 hrs)
- A. Concentration in General Anthropology 15 hrs
  - Ant 2140 Archaeology and the Rise of Human Culture
  - Ant 2410 Cultural Anthropology

Complete at least two of the following courses; 6 hrs
Select two upper level (3000-5000) courses in Anthropology

B. Concentration in Archaeology 15 hrs
- Ant 2140 Archaeology and the Rise of Human Culture

Complete at least four of the following courses; 12 hrs
- Ant 3106 Archaeology and Popular Culture or
- Ant 3115 Archaeological Method and Theory or
- Ant 3142 Old World Prehistory or
- Ant 3145 Archaeology of Complex Societies or
- Ant 3148 Life and Death in Ancient Egypt or
- Ant 3152 Indians of the Southwest or
- Ant 3158 Florida Archaeology or
- Ant 3180 Americas Before Columbus or
- Ant 3161 Archaeology of Mexico or
- Ant 3163 Mesoamerican Archaeology or
- Ant 3164 Ancient Incas or
- Ant 3165 Archaeology of South America or
- Ant 3168 Maya Archaeology or
- Ant 3173 Archaeology of Sex or
- Ant 3177 Archaeology of Caribbean Piracy or
- Ant 4144 Prehistory of North America or
- Ant 4153 North American Archaeology or
- Ant 4180C Seminar in Laboratory Analysis or
  1 Ant 4183 Archaeological Sciences or
  1 Ant 4184 Mortuary Archaeology or
- Ant 4824 Advanced Archaeological Fieldwork or
- Ang 5822 Maya Field Research or
- Ang 5166 Problems in Maya Studies or
- Ang 5167 Maya Hieroglyphs or
- Ang 5228 Maya Iconography

  1 or its graduate equivalent.

C. Concentration in Physical Anthropology 15 hrs
- Ant 2511 The Human Species

Complete at least four of the following courses; 12 hrs
- Ant 3148 Life and Death in Ancient Egypt or
- Ant 3541 Biobehavioral Anthropology or
- Ant 3550 Primatology or
- Ant 4183 Archaeological Sciences or
  1 Ant 4184 Mortuary Archaeology or
Minors

ANT 4462 Medical Anthropology or 3 hrs
ANT 4467 Nutritional Anthropology or 3 hrs
ANT 4516 Human Biological Diversity or 3 hrs
ANT 4521 Forensic Anthropology or 3 hrs
ANT 4529C Human Osteology or 4 hrs
ANT 4528C Advanced Forensic Anthropology or 5 hrs
ANT 4560 Anthropological Perspectives on Human Growth or 3 hrs
ANT 4586 Human Origins or 3 hrs
ANG 5742 Problems in Forensic Anthropology 3 hrs

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
- Select 1:
  - ANT 2000 General Anthropology or 3 hrs
  - 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 or 3 hrs
  - ANT 3241 Magic, Ritual, and Belief or 3 hrs
  - ANT 3245 Native American Religions or 3 hrs
  - ANT 3262 Rural Society or 3 hrs
  - ANT 3273 Law and Culture or 3 hrs
  - ANT 3302 Sex, Gender and Culture or 3 hrs
  - ANT 3311 Indians of the Southeastern United States or 3 hrs
  - ANT 3312 Ethnology of North American Indians or 3 hrs
  - ANT 3313 Indians of North America High Plains or 3 hrs
  - ANT 3314 Indians of the Northeast Woodlands or 3 hrs
  - ANT 3318 Indians of the Northwest coast or 3 hrs
  - ANT 3398 Black/Seminoles Relations or 3 hrs
  - 1 ANT 4332 People and Cultures of Latin America or 3 hrs
  - 1 ANT 4303 Anthropology of Tourism or 3 hrs
  - 1 ANT 4371 Applied Anthropology or 3 hrs
  - 1 ANT 4702 Culture, Power, and Development or 3 hrs
  - 1 ANT 4802 Ethnographic Field Methods or 3 hrs
  - 1 ANT 3363 Anthropology of Japan or 3 hrs
  - 1 ANT 3610 Language and Culture or 3 hrs
  - 1 ANT 4340 Caribbean Cultures or 3 hrs
  - 1 ANT 3319 Anthropology of Diaspora or 3 hrs
  - 1 ANT 4034 History of Anthropological Thought or 3 hrs
  - 1 ANT 4268 Economic Anthropology: Production, Consumption, and Exchange or 3 hrs
  - 1 ANT 4308 Gender Issues in Latin America or 3 hrs
  - 1 ANT 4352 African Societies and Cultures or 3 hrs
  - 1 ANT 4354 Postcolonial Africa or 3 hrs
  - 1 ANT 4408 Culture, Disease, and Healing or 3 hrs
  - 1 ANG 5167 Maya Hieroglyphs or 3 hrs
  - 1 ANG 5228 Maya Iconography or 3 hrs
  - 1 ANG 5622 Language, Culture and Pedagogy 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

Art - Studio - Minor

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.cah.ucf.edu/
Donna Mercado, 407-823-6100

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- ARG 2050 History of Western Art I 3 hrs
- ARG 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ART 3950 Portfolio Review 0 hrs

Restricted Electives (6 hrs)
- Six semester hours of studio art in one area of specialization at the 3000-4000 level
Art History - Minor
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.cah.ucf.edu/

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- ARH 2050 History of Western Art I (3 hrs)
- ARH 2051 History of Western Art II (3 hrs)
- ARH 4310 Italian Renaissance Art (3 hrs)
- ARH 4430 19th Century Art (3 hrs)
- ARH 4450 20th Century Art (3 hrs)

Non-Western Course Requirement
- Select 1:
  - ARH 3520 African Art (3 hrs)
  - ARH 4540 Art of India or (3 hrs)
  - ARH 4653 Meso American Art (3 hrs)

Restricted Electives
- ARH 4200 Medieval Art (3 hrs)
- ARH 4350 Baroque Art (3 hrs)
- ARH 4800 Theory and Criticism of the Visual Arts (3 hrs)
- ARH 4871 Women in Art (3 hrs)

6 Hours of electives
- Two additional ARH 3XXX-4XXX courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one major area of specialization and taken at UCF.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses.

Asian Studies - Minor
College of Arts and Humanities
http://www.cah.ucf.edu/
Dr. Paul Giordano, 407-823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- HUM 3401 Asian Humanities (3 hrs)

Restricted Electives
- Approved courses (see department for listing)
- Foreign Language Requirements
  - None

One year or the equivalent proficiency examination (0-8 hrs).

Total Semester Hours Required
- 24

Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

Astronomy - Minor
College of Sciences
Department of Physics, Math and Physics, Room: 310
E-mail: physics@ucf.edu

Dr. Humberto Campins
Phone: 407-823-2325

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- AST 2002 Astronomy (3 hrs)
- AST 2002L Astronomy Lab (1 hr)
- PHY 2048C Physics for Engineers & Scientists I (4 hrs)
- AST 3110 Solar System Astronomy (3 hrs)
- AST 3211 Stellar Astrophysics (3 hrs)
- AST 3402 Galaxies and Cosmology (3 hrs)
- AST 3722C Techniques of Observational Astronomy (3 hrs)

Restricted Electives
- None

Foreign Language Requirements
- None
Minors

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Bioengineering - Minor

College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu/minors/bioengineering
Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5778
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 unweighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (35 hrs)

PHY 2048C Physics for Engineers & Scientists I 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
BSC 2010C Biology I 4 hrs
BSC 2011C Biology II 4 hrs
CHM 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
EGN 4941 Internship 1 hr

Restricted Electives (6 hrs)
- Students will select either the Engineering Track or Computer Science Track to define their elective choices.

Engineering Track
- 6 hrs

Select 1:
- 3 hrs
  EMA 5584 Biomaterials or 3 hrs
  EML 5780 Biofluid Mechanics or 3 hrs
  EEE 5272 Biomedical Sensors or 3 hrs
  EES 4111C Biological Process Control or 3 hrs
  EIN 5248C Ergonomics 3 hrs

Select 1:
- 3 hrs
  CAP 5512 Evolutionary Computation or 3 hrs
  BCH 4053 Biochemistry I or 3 hrs
  BSC 3403C Quantitative Biological Methods or 4 hrs
  BSC 5418 Tissue Engineering or 3 hrs
  MCB 3020C General Microbiology or 5 hrs
  PCB 3522 Molecular Biology I or 3 hrs
  PCB 3703C Human Physiology or 4 hrs

ZOO 3733C Human Anatomy or 4 hrs
ZOO 3744 Neurobiology or 3 hrs
PCB 3063 Genetics 3 hrs

Computer Science Track
- 6 hrs

Select 1:
- 3 hrs
  CAP 5512 Evolutionary Computation or 3 hrs
  COT 6417 Algorithms on Strings and Sequences 3 hrs

Select 1:
- 3 hrs
  BCH 4053 Biochemistry I or 3 hrs
  BSC 3403C Quantitative Biological Methods or 4 hrs
  BSC 5418 Tissue Engineering or 3 hrs
  MCB 3020C General Microbiology or 5 hrs
  PCB 3522 Molecular Biology I or 3 hrs
  PCB 3703C Human Physiology or 4 hrs

ZOO 3733C Human Anatomy or 4 hrs
ZOO 3744 Neurobiology or 3 hrs
PCB 3063 Genetics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 41

Other Requirements
- Open only to engineering and computer science majors.
- A grade of “B” (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

Biology - Minor

College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu
Frank Logiudice
Phone: 407-823-2141

Minor Admission Requirements
- The minor is not open to Biology or Biology Preprofessional majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Biology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (31 hrs)

BSC 2010C Biology I 4 hrs
BSC 2011C Biology II 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
EGN 4941 Internship 1 hr

NOTE: These courses are considered as equivalent.
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score
  CHM 2045C Chemistry Fundamentals I 4 hrs
- Students with little chemistry background should take this two semester equivalent instead.
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs

Restricted Electives
- None
Foreign Language Requirements
- None

Total Semester Hours Required
- 31

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Biomedical Sciences - Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (23 hrs)
- BSC 2010C Biology I 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Select 1:
- PCB 3233 Immunology or 3 hrs
- PCB 4239 Molecular Immunology 3 hrs

Restricted Electives (7 hrs)
- At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements
- None

Total Semester Hours Required
- 30

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Business - Minor
College of Business Administration
Undergraduate Student Services BA2, 101, 407-823-2184

Not available to Business majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- FIN 2100 Personal Finance and Investments 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the College of Business.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

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.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)
- CHM 2046C Chemistry Fundamentals I 4 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 3120L Analytical Chemistry Laboratory 1 hr

NOTE: These courses are considered to be equivalents:
- A one semester course for students with high Chem Placement scores:
- CHM 2045C Chemistry Fundamentals I 4 hrs or - Students with little chemistry background should take 2 this semester equivalent instead.
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

Restricted Electives (8 hrs)
- At least one course must be selected from group I and the remaining from group I and/or II

Group I: Select at least one course
- BCH 4103L Biochemical Methods 2 hrs
- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 5451C Techniques in Polymer Science 3 hrs
Minors

Group II:

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BCH 4053</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4200</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4615</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3410</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 3411</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3422</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4220</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5225</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5235</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5450</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
- None

Total Semester Hours Required
- 28

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Coaching - Minor
College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209
Dr. Jay Hoffman, Program Coordinator, ED 320H, jhoffma@mail.ucf.edu

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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)

1 ATR 2010C Athletic Injuries: Mechanisms and Prevention 3 hrs
PET 3765 Coaching Theory 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4763 Coaching Methods And Principles 3 hrs
SPM 3204 Sports and Ethics 3 hrs

Select 1:

<table>
<thead>
<tr>
<th>Course and Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEO 2624 Coaching Basketball</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 3644 Coaching Football</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 3324 Coaching Volleyball</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 If the student has completed this course at a community college, it can be transferred into the program.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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 or Independent Study credit cannot be used towards the minor.

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
Dr. Jennifer Mundale, jmundale@pegasus.cc.ucf.edu, 407-823-2273
Phone: 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive sciences, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Note: It is the student’s responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course and Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PSB 3002 Physiological Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSB 4240C Neuropsychology</td>
<td>4 hrs</td>
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<tr>
<td>PSB 4422 Brainwaves and Behavior</td>
<td>3 hrs</td>
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<tr>
<td>ZOO 3744 Neurobiology</td>
<td>3 hrs</td>
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<tr>
<td>PHI 3320 Philosophy of Mind</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3323 Minds and Machines: Philosophy of Cognitive Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3451 Philosophy of Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4341 Ways of Knowing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4400 Philosophy of Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4935 Topics in Philosophy of Mind</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3204C Perception</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3604C Cognitive Psychology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EXP 4507C Advanced Human Memory and Cognition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 4453 Robot Vision</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 4630 Artificial Intelligence</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3531 Information Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3552C Analog and Digital Communication</td>
<td>4 hrs</td>
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Fundamentals

Language and Linguistics

<table>
<thead>
<tr>
<th>Course and Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ANT 3610 Language and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3010 Principles of Linguistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716 Language Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3717 Language Development: 9 - 18 Years</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4221 Philosophy of Language</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3703 Psychology of Language</td>
<td>3 hrs</td>
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</table>

Restricted Electives (6 hrs)

Select 2:

<table>
<thead>
<tr>
<th>Course and Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ANT 3541 Biobehavioral Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3550 Primatology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3610 Language and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4586 Human Origins</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 4630 Artificial Intelligence</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 5015 Multimedia Compression on the Internet</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 5415 Computer Vision</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 5512 Evolutionary Computation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4520 Concepts of Parallel and Distributed Processing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3204C Perception</td>
<td>4 hrs</td>
</tr>
<tr>
<td>LIN 4711 Language Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4711L Language Analysis Lab</td>
<td>1 hr</td>
</tr>
</tbody>
</table>
COMMUNICATION SCIENCES AND DISORDERS - MINOR

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs, Room: 101
http://www.copha.ucf.edu/comdis/
E-mail: advising@mail.ucf.edu

TBA

Licensed Speech-Language Pathology and Audiology Assistant: This state license may be obtained by completing the minor.

Minor Admission Requirements

- None

Minor Requirements

- Information Technology majors.

Prerequisite Courses

- None

Required Courses

- (24 hrs)

MAP 4103 Mathematical Modeling I or 3 hrs
PHI 2101 Formal Logic I or 3 hrs
PHI 2108 Critical Thinking or 3 hrs
PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
PSY 3213C Research Methods in Psychology or 5 hrs
PHI 4500 Metaphysics or 3 hrs
PSY 4025 The Psychology of Art 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- 18 hours must be taken at the upper division.
- No more than 12 credit hours may be used toward credit for a major and the cognitive sciences minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study requires prior approval from the advisors to be used toward the minor.

COMMUNITY ARTS - PAVE - MINOR

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.cah.ucf.edu/

TBD

Minor Admission Requirements

- None

Minor Requirements

Partners in Art in Visual Education (PAVE)

- A minor in Community Arts-PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus). Students interested in the minor should contact the department chair.

Prerequisite Courses

- None

Required Courses

- None

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used toward the minor.

COMPUTER SCIENCE - MINOR

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu

Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements

- Not open to Computer Engineering, Computer Science or Information Technology majors.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- (19 hrs)

COP 3223 Introduction to Programming with C 3 hrs
COP 3330 Object Oriented Programming 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
CDA 3103 Computer Logic and Organization 3 hrs

Select 1:

COT 3100C Introduction to Discrete Structures or 3 hrs
MAD 2104 Foundations of Discrete Math 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 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.
Minors

At least 9 hours used in the minor must be earned within Computer Science at UCF.

No credit by exam (TSD, Military credit) may be used.

Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

Crime, Law, and Deviance - Minor

College of Sciences

Department of Sociology, Howard Phillips Hall, Room: 403

http://sociology.ucf.edu

Dr. Jay Corzine, sociology@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

Minor Admission Requirements

The minor is not open to Sociology majors.

Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements

Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.

Grades below “C” (2.0) in lower level courses are not accepted.

At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses

Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000  Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2010  Social Problems</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Required: Complete one of the following: (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 3510  Sociology of Deviant Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3511  Sociology of Murder</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3530  Juvenile Delinquency</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3540  Sociology of Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3562  Patterns of Domestic Violence in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4514  Patterns of Violence in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4521  Crime Victims in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4536  Gangs and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)

Select four courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 3510  Sociology of Deviant Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3511  Sociology of Murder</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3530  Juvenile Delinquency</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3540  Sociology of Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3562  Patterns of Domestic Violence in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4514  Patterns of Violence in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4521  Crime Victims in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4536  Gangs and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements

None

Total Semester Hours Required

18

Other Requirements

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op or Independent Study credit cannot be used toward the minor.

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

Minor Requirements

None

Prerequisite Courses

None

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3024  Criminal Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3014  Crime in America</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)

Select 2: (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJL 3510  Prosecution and Adjudication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJL 3010  Corrections and Penology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJ 4014  Police and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Six semester hours of Criminal Justice courses (selected with aid of an advisor)

Foreign Language Requirements

None

Total Semester Hours Required

18

Other Requirements

Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.

Grades less than “C-” (1.75) are not accepted.

At least 15 hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used.

Internship or Independent Study credit cannot be used toward the minor.

Dance - Minor

College of Arts and Humanities

Department of Theatre, 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.

Minor Requirements

None

Prerequisite Courses

None

Required Courses (11 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAN 3134  Dance History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DAA 3612  Dance Improvisation/Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DAA 2100C  Modern Dance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2200C  Ballet I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3684  Dance Performance</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Restricted Electives (7 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 2570C  Tap Dance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2571C  Jazz Dance II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2520C  Tap Dance II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2521C  Tap Dance III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3208C  Ballet II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3209C  Ballet III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2101C  Modern Dance II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3108C  Modern Dance III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2393C  World Dance</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3645  Choreography Practicum</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3684  Dance Performance</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2290L  Theatre Participation-Production I</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

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.
The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilitates the understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- SYO 3530 Social Power and Inequality 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives
- Select four courses from the following:
  - SYD 3410 Urban Society 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs
  - SYD 3800 Sex and Gender in Society 3 hrs
  - SYD 4810 Women in Contemporary Society 3 hrs
  - SYD 4813 Women, Law and Social Change 3 hrs
  - SYO 4100 Family Trends 3 hrs
  - SYO 4200 Religion in Society 3 hrs
  - SYP 4454 Global Inequality and Society 3 hrs
  - SYP 4732 Minority Aging 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

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.

Minor Requirements
- A minimum GPA of 2.75 in all Early Childhood Development and Education courses.
### Minors

- At least 12 hours used in the minor must be earned at UCF.

#### Prerequisite Courses
- None

#### Required Courses
- (18 hrs)
  - **EEC 4661** Early Childhood Education Theory and Practice 3 hrs
  - **RED 3310** Early Reading, Writing and Language Arts 3 hrs
  - **ECE 4268** Curriculum Activities in Early Childhood 3 hrs
  - **ECE 4604** Classroom Management and Guidance of Young Children 3 hrs
  - **ECE 3700** Social and Emotional Development of Young Children 3 hrs
  - **EEX 4751** Parent Involvement in Education 3 hrs
  - **ECE 4503** Planning Creative Activities in Early Childhood Education 3 hrs

#### Restricted Electives
- (3 hrs)
  - **MAE 4300** Math Curriculum and Assessment in Early Childhood 3 hrs
  - **SCE 4304** Teaching Science and Technology to Young Children 3 hrs
  - **RED 4311** Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
  - **EEX 4651** Early Childhood Education Theory and Practice 3 hrs

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.

### Economics - Minor

#### College of Business Administration

#### Department of Economics, Business Administration II, Room: 305

http://www.bus.ucf.edu/economics

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu
David Scroggin, 407-823-4129
Nora Underwood, BA2 302U, 407-823-4129
Phone: 407-823-3266

For both Business Majors and non-Business Majors.

Not open to Economics BA or BSBA majors.

The Economic Policy minor is intended to provide a broad introduction to economic policy issues related to national and international institutions and events. This minor is well-suited for students in Interdisciplinary Studies, International and Global Studies, Journalism, Legal Studies, Political Science, Public Administration, Social Sciences, and Sociology.

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses
- (9 hrs)
  - **ECO 2013** Principles of Macroeconomics 3 hrs
  - **ECO 2023** Principles of Microeconomics 3 hrs
  - **ECO 3101** Intermediate Microeconomics or 3 hrs
  - **ECO 3203** Intermediate Macroeconomics 3 hrs

#### Select 1:
- **ECO 3101** Intermediate Microeconomics 3 hrs
- **ECO 3203** Intermediate Macroeconomics 3 hrs

#### Restricted Electives
- (12 hrs)
  - **ECO 3223** Money and Banking 3 hrs
  - **ECO 3704** Global Economic Policy 3 hrs
  - **ECO 4033** History of Economic Thought 3 hrs
  - **ECO 4751** Law and Economics 3 hrs
  - **ECP 3502** Economics and the Environment 3 hrs
  - **ECP 3506** Economics of Sports 3 hrs
  - **ECS 4013** Development Economics 3 hrs

Other ECO, ECP or ECS courses may be applied toward the Minor with the approval of the Department.

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
Minors

Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/
Dr. W. Scott Wise, ED 220B, wwise@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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (15 hrs)
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives (3 hrs)
- Select one
  - MAE 4634 Programs in Teaching of Mathematics 3 hrs
  - SSE 4936 Programs in Teaching Social Science 3 hrs
  - LAE 4342 Programs in Teaching Language and Composition 3 hrs
  - LAE 4464 Survey of Adolescent Literature 3 hrs
  - SCE 4381 Programs in Teaching Science 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ A minimum GPA of 2.25 of all Gordon Rule classes is required.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.
Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

Emergency Management and Homeland Security - Minor
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Dr. Naim Kapucu, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (15 hrs)
- PAD 4110 Intergovernmental Administration 3 hrs
- PAD 4392 Emergency Management and Homeland Security 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4395 Disaster Response and Recovery 3 hrs
- PAD 4390 Hazard Mitigation and Preparedness 3 hrs

Restricted Electives (3 hrs)
- Select 1:
  - DSC 4012 Terrorism 3 hrs
  - DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Grades below “C” (2.0) or “S” grades are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ Internship or Independent Study cannot be used toward the minor.
■ Students must earn a “C” (2.0) or better in each course in the minor.

Energy and Sustainability - Minor
College of Engineering and Computer Science
Engineering, Room: 107
CECS Academic Affairs
http://www.cecs.ucf.edu
Paul Edlen, paul.edlen@ucf.edu, 407-823-2455

Participants in this minor will acquire knowledge in technical, economic and policy issues related to sustainable energy generation, conservation, management and utilization. Those completing the minor will be able to improve their understanding, awareness and job skills to have additional opportunities and advantages to pursue a career in the emerging energy sector.

Minor Admission Requirements
■ A minimum GPA of 2.25 is required for acceptance into this minor degree program.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
- EGG 4824 Energy and Society 3 hrs
- IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs

Select 1:
- GEB 4152 Technological Entrepreneurship or IDS 4949 Cooperative Education 3 hrs

1 Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.
Minors

Restricted Electives (6 hrs)
- Select any two elective courses from the following courses:
  - EEL 4216 Fundamentals of Electric Power Systems 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
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- ENV 4120 Air Pollution Control or 3 hrs
- ENV 4341 Solid & Hazardous Waste Management or 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II 3 hrs

Business and Public Policy
- ECP 3302 Economics and the Environment or 3 hrs
- ECP 4303 Environmental and Natural Resource Economics or 3 hrs
- REE 3614 Environmental Issues for Real Estate 3 hrs

Social and Ethical Dimensions
- INR 4350 Global Environmental Politics or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- PAD 4351 Issues in Environmental Program Management or 3 hrs
- PHI 3640 Environmental Ethics or 3 hrs
- PLA 4554 Environmental Law or 3 hrs
- PUP 3203 Environmental Politics or 3 hrs
- PUP 4209 Urban Environmental Policy or 3 hrs
- SYD 4510 Environment and Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete the minor.

Engineering Leadership - Minor
College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.ihms.ucf.edu
Dr. Timothy Kotnour
Phone: 407-823-5645

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering profession.

Minor Admission Requirements
- Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant’s resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self development issues they would like to explore in the program.
- Only open to CECS undergraduate students
- A minimum GPA of 3.0 is required for acceptance into this minor degree program

Required Courses (18 hrs)
- EGN 3613 Engineering Economic Analysis 2 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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. Patrick Murphy, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

Restricted Electives (6 hrs)
Select one course after completing CRW 3013
- CRW 3120 Fiction Writing Workshop 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- CRW 3310 Poetry Writing Workshop 3 hrs
- CRW 3610 Writing Scripts 3 hrs

Select one course
- CRW 4122 Advanced Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Writing 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 9 hrs
- CRW 3311 Structure of Verse 3 hrs
- CRW 4114 History of Prose Style 3 hrs
- CRW 4724 The Florida Review 3 hrs
- CRW 4014 The Writing Life 3 hrs
- ENC 3310 Magazine Writing I 3 hrs
- CRW 4722 Editing for Creative Writers 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs
- CRW 3950 Cypress Dome Editorship 3 hrs
- CRW 6806C Teaching Creative Writing 3 hrs

Any other CRW elective or Special Topics course 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.

Restrictions
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
English - Linguistics - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- LIN 3010  Principles of Linguistics  3 hrs
- LIN 4105  History of the English Language  3 hrs
- LIN 4860  Modern English Grammar  3 hrs

Restricted Electives (9 hrs)
- LIN 4643  Cross Cultural Communication  3 hrs
- LIN 4660  Linguistics and Literature  3 hrs
- LIN 4801  Language and Meaning  3 hrs
- LIN 5137  Linguistics  3 hrs
- ANT 3610  Language and Culture  3 hrs
- PHI 4400  Philosophy of Science  3 hrs
- PHI 4811  Philosophy of Language  3 hrs
- SPA 3112  Basic Phonetics  3 hrs
- Or any course approved by the Linguistics Committee  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Literature - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- 1 ENG 3014  Theories and Techniques of Literature Study

Restricted Electives (18 hrs)
- English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- ENC 4215  Technical Publication and Project Management  3 hrs
- ENC 4218  The Visual in Technical Documentation  3 hrs
- ENC 4293  Documentation and the Collaborative Process  3 hrs
- ENC 4294  Documentation and Client-Based Collaboration  3 hrs
- ENC 4280  Technical Writing Style  3 hrs
- ENC 3241  Writing for the Technical Professional  3 hrs
- Students completing the minor may intern with a Central Florida corporation

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/englished/
Dr. Jeff Kaplan, ED 122B, jkaplan@mail.ucf.edu
Dr. Janet Andreassen, 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

Minor Requirements
- None

Prerequisite Courses
- None
Minors

Required Courses
- A C- or better is required in these courses (18 hrs)
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - LAE 4360 English Instructional Analysis 3 hrs
  - LAE 4342 Programs in Teaching Language and Composition 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 hrs of courses in English Language Arts as co-requisites.
- Obtain a minimum 2.5 GPA in courses required for minor.
- At least 12 hours in the minor must be earned at UCF.

Entrepreneurship: Business - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://www.cei.ucf.edu
Dr. Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

The Entrepreneurship business minor offers students the opportunity to foster a strong business acumen that is essential to success in any career. The diverse classes available allow business undergraduates to explore the many career paths including self-employment/contracting, starting a company, working in small business, and leading corporate innovation and change initiatives.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs
- MAN 3301 Management of Human Resources 3 hrs
- MAN 4802 Entrepreneurship 3 hrs

Select 1: 3 hrs
- MAR 3391 Professional Selling or MAR 3765 Entrepreneurial Marketing

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
- 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.
- 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.

Entrepreneurship: For Non-Business Majors - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://web.bus.ucf.edu/

All UCF Undergraduates have the opportunity to realize their professional goals through the Entrepreneurship Minor for Non-Business Majors. The 19-credit minor complements any degree program, providing students with business insights that are focused on career development more than ownership.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- MAR 3023 Marketing 4 hrs

Select 1: 3 hrs
- GEB 3113 How to Start a Business or MAN 3301 Management of Human Resources 3 hrs

Required Entrepreneurship Courses 9 hrs
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs

Select 1: 3 hrs
- GEB 4152 Technological Entrepreneurship or MAN 4802 Entrepreneurship 3 hrs

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

### Minor Requirements
- None

### Prerequisite Courses
- None

### Required Courses (3 hrs)
- IDS 3150  Foundations of Environmental Studies 3 hrs

### Restricted Electives (18 hrs)
**Science & Environmental Electives 9 hrs**
- BOT 3152C  Local Flora 3 hrs
- BOT 4156C  Florida Wildflowers 4 hrs
- BOT 3802  Ethnobotany 3 hrs
- BOT 4303C  Plant Kingdom 5 hrs
- BOT 4686C  Conservation and Management of Native Plants 4 hrs
- BOT 4713C  Plant Taxonomy 5 hrs
- BSC 4312C  Marine Biology 4 hrs
- OCE 3308  Oceanography 3 hrs
- PCB 3442  Aquatic Ecology 3 hrs
- PCB 4302C  Physicochemical Limnology 4 hrs
- PCB 4303C  Biological Limnology 4 hrs
- PCB 4683  Evolutionary Biology 4 hrs
- CHM 3120  Analytical Chemistry 3 hrs
- HSC 4500  Epidemiology 3 hrs
- ENV 3001  Introduction to Environmental Engineering 3 hrs
- ENV 4341  Solid & Hazardous Waste Management 3 hrs
- PCB 3083  Genetics 3 hrs
- PCB 3304C  River Ecology 4 hrs
- PCB 3314  Marine Bio Diversity 3 hrs
- PCB 3044L  Principles of Ecology Laboratory 1 hr

**Social & Humanities Electives 9 hrs**
- ECO 4701  Seminar in Global Economic Policy 3 hrs
- INR 4351  International Environmental Law 3 hrs
- PUP 3203  Environmental Politics 3 hrs
- PUP 4503  Government and Science 3 hrs
- PAD 4351  Issues in Environmental Program Management 3 hrs
- PAD 3330  Urban and Regional Planning 3 hrs
- PUP 4204  Sustainability 3 hrs
- GEO 2370  Resources Geography 3 hrs
- GIS 3043C  GIS for Environmental Studies 3 hrs
- GIS 4301C  Advanced GIS Applications in Environmental Studies 4 hrs
- GIS 4055C  Remote Sensing of the Environment 3 hrs
- PHI 3033  Philosophy, Religion, and the Environment 3 hrs
- PHI 4400  Philosophy of Science 3 hrs
- PHI 3640  Environmental Ethics 3 hrs
- PHI 4633  Ethics and Biological Science 3 hrs
- PSM 4303  Environmental Philosophy 3 hrs
- PLA 4554  Environmental Law 3 hrs
- ECP 3302  Economics and the Environment 3 hrs
- ECP 4303  Environmental and Natural Resource Economics 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 18 hours used in the minor must be taken at UCF.
- At least 15 credits used in the minor must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

### 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

### Minor Requirements
- A grade of "C" (2.0) or better is required for all courses counting towards the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours used in the minor must be taken at UCF.
- At least 15 credits used in the minor must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

### Required Courses (6 hrs)
- CPO 4101  Politics of the European Union 3 hrs
- LIT 3082  Continental European Fiction Since 1900 3 hrs

### Restricted Electives (15 hrs)
- Any course substitutions are subject to prior approval by the director.

### Literature, Film, and Culture:
- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.
- Select at least 3 credits from this grouping:
  - 3 hrs
    - ENL 2022  English Literature II or
    - ENL 4101  English Novel or
    - ENL 4240  English Romantic Writers or
    - ENL 4626  Nineteenth Century British Prose or
    - ENL 4273  Modern British Literature or
    - FIL 3820  Italian Film or
    - FIL 3822  French Film or
    - FIL 3823  German Film or
    - FRE 4500  French Civilization and Culture or
    - FRW 4281  20th Century French Novels or
    - FRW 4324  20th Century French Drama or
    - FRW 4532  French Romanticism or
    - FRW 4552  Nineteenth Century French Literature or
    - GER 3102  German - Past to Present or
    - GER 4520  Modern Germany or
    - GEW 3101  Survey of German Literature II or
    - GEW 3370  Short Story or
    - GEW 3480  German Post-War Literature or
**Minors**

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
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 4272 20th Century Spanish Novel or 3 hrs
SPW 4322 Contemporary Iberian Theatre or 3 hrs
SPW 4450 Spanish Literary Theory or 3 hrs
SPW 4460 Nineteenth Century Spanish Literature or 3 hrs
SPW 4720 The Generation of 1898 or 3 hrs

History

Select 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 Interwar Europe or
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 4578 History of Russia in the 20th Century or 3 hrs
EUH 4582 20th Century Russian Diplomatic History or 3 hrs
EUH 4610 Women in European Society: From Medieval to Modern or 3 hrs
EUH 4620 European Great Powers: 1815-1914 or 3 hrs
GER 4510 Life and Culture in Nazi Germany or 3 hrs
JST 3701 History of the Holocaust 3 hrs

Political Science or Economics

Select at least 3 credits from this grouping: 3 hrs
CPO 3104 Politics of Western Europe or 3 hrs
CPO 3164 Politics of Eastern Europe or 3 hrs
CPO 4074 Political Economy or 3 hrs
CPO 4123 Government and Politics of Great Britain or 3 hrs
CPO 4445 Comparative Political Parties or 3 hrs
CPO 4843 Government and Politics of Russia or 3 hrs
ECO 3703 International Microeconomics or 3 hrs
IRK 4555 International Political Economy or 3 hrs

Other

may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or one of the following:

Select at least 3 credits of courses from this grouping: 3 hrs
ARH 4430 19th Century Art or 3 hrs
ARH 4450 20th Century Art or 3 hrs
PHH 3510 Marx and Nietzsche or 3 hrs
PHP 3783 Modernity as a Philosophical Problem or 3 hrs
PHP 3786 Existentialism or 3 hrs
PHP 4782 Phenomenology 3 hrs

Foreign Language Requirements

Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).

Total Semester Hours Required

21

Other Requirements

No credit by exam (military credit, TSD) may be used toward the minor.

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**Exceptional Education - Minor**

**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, lalexand@mail.ucf.edu, 407-823-2598
Phone: 407-823-5445

The Exceptional Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor is not intended for students enrolled in the College of Education and does not lead to teacher certification nor admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student’s major program.

**Minor Admission Requirements**

- None

- Minor Requirements

- None

**Prerequisite Courses**

- None

**Required Courses** (12 hrs)

- EEX 4601 Introduction to Behavior Management 3 hrs
- EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
- EEX 2090 Exceptional Populations in School and Society 3 hrs
- EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

**Restricted Electives** (6 hrs)

- Choose either Elementary Restricted Electives or Secondary Restricted Electives as a focus

**Elementary Restricted Electives**

EEX 4070 Teaching Exceptional Students 3 hrs

**Secondary Restricted Electives**

- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

**Select 1:**

- EEX 3241 Methods for Academic Skills for Exceptional Students or 3 hrs
- EEX 3221 Assessment of Exceptional Students or 3 hrs

**Select 1:**

- EEX 3243 Techniques for Exceptional Adolescents-Adults or 3 hrs
- EEX 3221 Assessment of Exceptional Students or 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- Sophomore standing or completion of an AA degree from a Florida public post secondary institution.
- A minimum GPA of 2.5 of all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105 or higher, is required.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- Note: Completion of the minor does not complete the requirements for certification in Exceptional Education nor does it constitute admission in the College of Education.
Minors

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
S. Schlow, 407-823-2845
Phone: 407-823-4285

Minor Admission Requirements
- Completion of a Minor Declaration form

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 2423 Foundations of Production 3 hrs

Select 1:
- FIL 1007 Foundations of Story or 3 hrs
- FIL 1000 Cinema Survey 3 hrs

Restricted Electives (6 hrs)
- Choose Two
  - FIL 3800C Images of Women in Film 3 hrs
  - FIL 3051 Avant-Garde Cinema 3 hrs
  - FIL 3820 Italian Film 3 hrs
  - FIL 3845 World Cinema Traditions 3 hrs
  - FIL 3841 French New Wave Cinema 3 hrs
  - FIL 3824 Italian Neo-Realist Cinema 3 hrs
  - FIL 3822 French Film 3 hrs
  - FIL 3823 German Film 3 hrs
  - FIL 3831 Black Cinema 3 hrs
  - FIL 3826 American Cinema 3 hrs
  - FIL 3871 The American Film Artist 3 hrs
  - FIL 4047 Film Production Management 3 hrs
  - FIL 3847 Latin American Cinema 3 hrs
  - FIL 3363C Film Documentary 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Finance - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (10 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select 2:
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs
- FIN 3303 Financial Markets 3 hrs

Restricted Electives (9 hrs)
Select 3:
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3461 Financial Statement Analysis or 3 hrs
- FIN 3504 Investment Analysis or 3 hrs
- FIN 4324 Commercial Bank Management or 3 hrs
- FIN 4533 Financial Models or 3 hrs
- FIN 4514 Portfolio Analysis and Management or 3 hrs
- FIN 4533 Financial Derivatives or 3 hrs
- FIN 4684 International Financial Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at 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
Dr. Jay Hoffman, Program Coordinator, ED 320H, jrhoffma@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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- PET 4083 Personal Training Methods 3 hrs
- 1 ZOO Exercise Physiology Anatomy 4 hrs
- 3736C

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 3861 Nutrition and Metabolism in Sport and Exercise Science or 3 hrs
- PET 3771 Strength and Conditioning Concepts or 3 hrs
- PET 3768 Group Exercise Instruction or 3 hrs
- PET 4353C Exercise Physiology or 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 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.

Foreign Language Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Complex, Room: 220

http://education.ucf.edu/language
Dr. Karen Verkler, kverkler@mail.ucf.edu, 407-823-5235

The Foreign Language Education minor is intended for non-Language Education majors. It is well suited for College of Education students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education.

Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education.

Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Minor Admission Requirements
■ Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from an approved Florida community college or state university.

Minor Requirements
■ Students should see an advisor prior to registering for classes.

Students must complete 18 hrs of language courses as co-requisites. A grade of "C" (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
■ None

Required Courses
■ 18 hrs
  EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  EDG 4487 Learning Theory and Assessment 3 hrs
  TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
  RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
  FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ None

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523

http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ 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 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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ 18 hrs
  Select six upper division courses in German, 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 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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (20 hrs)
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 4226C Coding Procedures I 5 hrs
- HIM 4296C Coding Procedures II 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- A minimum overall GPA of 2.5 is required. A minimum grade of "C" (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.

Health Sciences - Minor

College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 212

L. Timothy Worrell, 407-823-2214

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Electives (3 hrs)
- Additional prerequisite courses may be required

Select 1: 3 hrs
- HSC 4652 Health Law and Ethics or
- HSA 4109 Principles of Managed Care or
- HIM 4508C Quality Management or
- HSA 4702 Health Sciences Research Methods 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all 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. Reid Oetjen, 407-823-5668

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Electives (3 hrs)
- Additional prerequisite courses may be required

Select 1: 3 hrs
- HSC 4652 Health Law and Ethics or
- HSA 4109 Principles of Managed Care or
- HIM 4508C Quality Management or
- HSA 4702 Health Sciences Research Methods 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.5 is required. 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

History - Minor

College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551

http://www.history.caah.ucf.edu/

E-mail: history@mail.ucf.edu

Dr. Rosalind J. Bell, 407-823-2225

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Upper Division Electives (15 hrs)

History Elective (3 hrs)
- Any course taught within the History Department

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.
Minors

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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
Take all of the following: (18 hrs)
- HFT 1000 Introduction to the Hospitality and Tourism Industry and Guest Services Management I 3 hrs
- HFT 3540 3 hrs

Select 2: 6 hrs
- HFT 2401 Hospitality Industry Financial Accounting or 3 hrs
- HFT 3431 Hospitality industry Managerial Accounting or 3 hrs
- HFT 2500 Hospitality and Tourism Marketing or 3 hrs
- HFT 2220 Hospitality Human Resources Management or 3 hrs
- HFT 3444 Hospitality Information Systems or 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry or 3 hrs
- HFT 4464 Hospitality Industry FINANCE 3 hrs
- HFT 4286 Hospitality Communications 3 hrs

Select 2: 6 hrs
- HFT 3700 Tourism Management or 3 hrs
- HFT 3263 Restaurant Management or 3 hrs
- HFT 3273 Principles of Resort Timesharing or 3 hrs
- HFT 4755 Theme Park and Attraction Management or 3 hrs
- HFT 2750 The Event Industry or 3 hrs
- FSS 221C Techniques of Food Preparation or 4 hrs
- HFT 2254 Lodging Operations or 3 hrs
- HFT 4277 Yacht, Country, And City Club 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum overall GPA of 2.0 in all courses used to satisfy the minor.
■ At least 12 credit hours used in the minor must be earned at UCF within the College.
■ No credit by exam (TSD, Military credit) may be used in the minor.
■ It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
■ Final exams will be given during Final Exam Week only.
■ Internship or Independent Study credit cannot be used toward the minor.

Humanities - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building,
Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: philosophy@mail.ucf.edu
TBA

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
Take all of the following: (21 hrs)
- HUM 3252 Contemporary Humanities or 3 hrs
- HUM 3255 Modern Humanities or 3 hrs
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities 3 hrs

Humanistic/Religious Traditions
■ 12 hrs

Select 2: 6 hrs
- ANT 3245 Native American Religions or 3 hrs
- HUM 3401 Asian Humanities or 3 hrs
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3552 Christian Thought or 3 hrs
- REL 3553 Moses, Jesus and Muhammad or 3 hrs
- JST 3401 Jewish People in Antiquity or 3 hrs
- PHH 3701 Native American Philosophy 3 hrs

Select 2: 6 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3803 Philosophy and Creativity or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- REL 3115 Religion, Spirituality, and Popular Music 3 hrs

Restricted Electives
■ Select one additional course from the above list or from the following: (3 hrs)
- HUM 3320 Contemporary Multicultural Studies 3 hrs
- HUM 4301 The Classical Ideal 3 hrs
- HUM 4303 The Spiritual Ideal 3 hrs
- PHI 4804 Critical Theory 3 hrs
- PHI 3800 Aesthetics 3 hrs
- PHI 3700 Philosophy of Religion 3 hrs
- CLT 3370 Classical Mythology 3 hrs
- CLT 3378 Comparative Mythology 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
## Minors

### Intelligent Robotic Systems (IRS) - Interdisciplinary
**- Minor**

**College of Engineering and Computer Science Engineering, Room: 107**

http://www.cecs.ucf.edu

Paul Edlen, paule@mail.ucf.edu, 407-823-2455

**Minor Admission Requirements**
- None
- None

**Prerequisite Courses**
- None
- None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3060C Introduction to Robotics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 2:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3657 Linear Control Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4312C Feedback Control or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3262 Kinematics of Mechanisms or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 4453 Robot Vision or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 4630 Artificial Intelligence</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 3:</td>
<td></td>
</tr>
<tr>
<td>EEL 4612 Introduction to Modern and Robust Control or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4750 Digital Signal Processing Fundamentals or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 5669 Autonomous Robotic Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 5173 Linear Systems Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 5630 Digital Control Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 5620 Image Processing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 5625 Pattern Recognition or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 5311 System Control or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 5415 Computer Vision or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 5512 Evolutionary Computation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CAP 5616 Machine Learning or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4804C Digital Control in Mechatronics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 5625 Applied Control Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 5290 Introduction to MEMS and Micromachining or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 5513 Digital Signal Processing Applications</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

## Information Technology - Minor

**College of Engineering and Computer Science**

Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346

http://www.eecs.ucf.edu

Dr. Mark Lewellyn, Markl@cs.ucf.edu
Phone: 407-823-3327

**Minor Admission Requirements**
- Not open to Information Technology majors.

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- (3 hrs)
- Select one of the following three options:
  - Option 1: 7 hrs
    - Not open to Computer Science Minors or Interdisciplinary Studies Majors
    - COP 2500C Concepts in Computer Science | 4 hrs |
    - Select 1: | |
    - CGS 1060C Introduction to Computer Science | 3 hrs |
    - CGS 2100C Computer Fundamentals for Business | 3 hrs |
  - Option 2: 6 hrs
    - Not open to Computer Science Minors or Interdisciplinary Studies Majors
    - COP 3223 Introduction to Programming with C | 3 hrs |
    - COP 3502C Computer Science I | 3 hrs |
  - Option 3: 3 hrs
    - Computer Science Minors and Interdisciplinary Studies Majors Only
    - CGS 1060C Introduction to Computer Science or | 3 hrs |
    - CGS 2100C Computer Fundamentals for Business | 3 hrs |

**Restricted Electives**
- (9 hrs)
- Select 1: |
  - CGS 2545C Database Concepts or | 3 hrs |
  - CGS 2585C Desktop/Internet Publishing or | 3 hrs |
  - CGS 3175 Internet Applications or | 3 hrs |
  - CGS 3289 Computer Architecture Concepts or | 3 hrs |
  - CNT 3004 Computer Network Concepts or | 3 hrs |
  - CGS 3763 Operating System Concepts or | 3 hrs |
  - CIS 3003 Fundamentals of Information Technology | 3 hrs |

<table>
<thead>
<tr>
<th>College Electives</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Options 1 and 2</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Option 3</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

Any upper division courses offered within Computer Science at UCF or additional courses chosen from restricted electives (exclusive of independent studies, internships, and those courses listed under required courses.) See other requirements.

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- A high-level programming language class (like the following or it’s equivalent) is required for the minor.
- EGN 3211 Engineering Analysis and Computation | 3 hrs |
- COP 3223 Introduction to Programming with C | 3 hrs |
- Students whose major requires senior design courses are encouraged to take the following courses and to undertake a project in intelligent robotic systems.
- EGN 4412C Interdisciplinary Design I | 3 hrs |
- EGN 4413C Interdisciplinary Design II | 3 hrs |
Minors

Interdisciplinary Informatics Technology - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu/I2Tech/
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
CGS 3175  Internet Applications  3 hrs
Select 1:
CGS 1060C  Introduction to Computer Science or 3 hrs
CGS 2100C  Computer Fundamentals for Business or 3 hrs
COP 3502C  Computer Science I  3 hrs

Healthcare Informatics Concentration
HIM 3006  Foundations of Health Information Management (HIM)  3 hrs
HSA 4191  Health Care Automation  3 hrs
Select 1:
CGS 4144  Introduction to Informatics or 3 hrs
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/track degree policy in Political Science programs and minors:
■ 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

■ 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Minor Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted in the minor.
■ At least nine hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
IDS 4315  Global Perspectives  3 hrs
GEO 3471  World Political Geography  3 hrs

Restricted Electives (15 hrs)
A. Restricted Political Science Electives:  6 hrs
Select courses from this grouping:
INR 4011  Politics of Globalization or 3 hrs
INR 4030  Diplomacy or 3 hrs
INR 4035  International Political Economy or 3 hrs
INR 4054  Global Politics of Energy or 3 hrs
INR 4074  Immigration Policy or 3 hrs
INR 4075  Human Rights Policy or 3 hrs
INR 4076  Global Drug Policy or 3 hrs
INR 4350  Global Environmental Politics or 3 hrs
INR 4502  International Organizations or 3 hrs
INR 4603  International Relations Theory or 3 hrs
INR 4714  Politics of International Trade Policy  3 hrs

B. 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 PUP.

C. Restricted Electives:  3 hrs
■ Substitutions require prior approval by the program advisor.

Select one course from this grouping:  3 hrs
CPO 3103  Comparative Politics or 3 hrs
CPO 4062  Comparative Judicial Process or 3 hrs
CPO 4074  Political Economy or 3 hrs
CPO 4754  Comparative Political Institutions or 3 hrs
CPO 4710  Women in Comparative Politics or 3 hrs
CPO 4784  Political and Economic Inequality in Comparative Perspective or 3 hrs
CPO 4445  Comparative Political Parties or 3 hrs
DSC 4012  Terrorism or 3 hrs
EUH 3651  War and Society or 3 hrs
MMC 4300  International Media or 3 hrs
SYP 4454  Global Inequality and Society or 3 hrs
THE 3312  Theatre History and Dramatic Literature II or 3 hrs
Three one credit Foreign Language across the Curriculum (FLAC) courses  3 hrs

Foreign Language Requirements
■ Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Total Semester Hours Required
■ 21

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
International Business - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Select 1:
FNS 4891* International Financial Management 3 hrs

Select 2:
- ECO 4701 Seminar in Global Economic Policy 3 hrs

Restricted Electives
- ECO 3703 International Microeconomics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECO 4701 Seminar in Global Economic Policy 3 hrs
- ECS 4013 Development Economics 3 hrs
- GEO 3471 World Political Geography 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4224 Contemporary International Politics of Asia 3 hrs
- INR 4243 International Politics of Latin America 3 hrs
- INR 4401 International Law I 3 hrs
- MAR 4724 Strategic Foundations in Global E-Business 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

International Engineering - Minor
College of Engineering and Computer Science Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECs students gain academic and work experience at an approved foreign institution compatible with UCF CECs, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECs students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today's global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
- Admission by interview with the Program Director

Minor Requirements
- Minimum UCF Overall GPA of 2.5.

Prerequisite Courses
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses
- Language Skill Acquisition 6 hrs
  - It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries where English is widely spoken.
  - If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework at UCF in lieu of the foreign language credits. This alternative international coursework will consist of the following two courses (or an equivalent(s) approved by the program coordinator):
    - IDS 3333 World Comparative Studies 3 hrs
    - GEO 3471 World Political Geography 3 hrs

Cultural Coursework
- 3 hrs
  - It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
    - Option 1) Students will complete three hours of coursework in sociology/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available.
    - Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

Study Abroad Experience
- 9 hrs
  - The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad. Minimally, 6 hours must meet requirements of the student’s major program.
  - Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Restricted Electives
- None

Foreign Language Requirements
- See Language Skills Acquisition

Total Semester Hours Required
- 18
Minors

Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Interpersonal/Organizational Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, jkatt@mail.ucf.edu
Rebecca Morales, rmorales@mail.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Interpersonal - Organizational Communication, Journalism, or Radio-TV majors.

Minor Requirements
- None

Prerequisite Courses
- Students must satisfy course prerequisites before enrolling.

Required Courses (12 hrs)
- COM 3011C Communication and Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs

Restricted Electives (9 hrs)
Select from the following courses:
- COM 3013 Communication and the Family 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- COM 3406 Role of Motivation in Communication 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- COM 4462 Conflict Management 3 hrs
- SPC 3513C Argumentation and Debate 3 hrs
- SPC 4331 Nonverbal Communication 3 hrs
- SPC 4426 Group Dynamics 3 hrs
- SPC 4540 Attitudes and Communication 3 hrs
- Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit cannot be used toward this minor with prior approval.

Italian - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without departmental permission.

Journalism Studies - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Steve Collins, Area Coordinator, scollins@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu, 407-823-2681

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy minor.
- Grades below a “C” (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- JOU 3004 History of American Journalism 3 hrs

Restricted Electives (15 hrs)
- Select at least 5 courses from the following:
  - JOU 3304 Journalism Readings 3 hrs
  - JOU 3510 Magazine Publishing 3 hrs
  - JOU 4700 Journalism Ethics 3 hrs
  - MMC 2004 Mass Media 3 hrs
  - MMC 3200 Mass Communication Law 3 hrs
  - MMC 4300 International Media 3 hrs
  - VIC 3001 Visual Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without departmental permission.
Judaic Studies - Minor
College of Arts and Humanities
Program in Judaic Studies, Colbourn Hall, Room: 415
E-J
http://www.judaicstudies.cah.ucf.edu/
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, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For certificate requirements, refer to the section on Judaic Studies Certificate.

Minor Admission Requirements
- None

Minor 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 Jewish People in Antiquity 3 hrs
- JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
- JST 3415 American Jewish History 3 hrs
- JST 3481 20th Century Jewish History and Thought 3 hrs
- JST 3650 Introduction of Modernism into Judaism 3 hrs
- JST 3701 History of the Holocaust 3 hrs

Bible
- JST 3120 Hebrew Scriptures 3 hrs
- JST 3125 The Book of Job 3 hrs
- JST 3126 Romantic Love in the Bible 3 hrs
- JST 3144 Dead Sea Scrolls 3 hrs
- JST 3190 The Biblical Prophets 3 hrs

Literature
- JST 3100 The Hebrew Creative Mind 3 hrs
- JST 3312 Identity and Genre 3 hrs
- JST 3751 Literature of the Holocaust 3 hrs

Jewish Civilization
- JST 3005 Tenets of Judaism 3 hrs
- JST 3120 Classic Texts of Judaism 3 hrs
- JST 3210 Kabbalah: Jewish Mysticism 3 hrs
- JST 3620 Contemporary Jewish Ethics and Morality 3 hrs

Culture
- JST 3450 Modern Jewish Experience 3 hrs
- JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
- JST 3820 Modern Israeli Culture 3 hrs

Language
- HBR 2200 Intermediate Modern Hebrew I 3 hrs
- HBR 2201 Intermediate Modern Hebrew II 3 hrs
- HBR 3250 Biblical Hebrew 3 hrs
- HBR 3410 Conversational Israeli Hebrew 3 hrs

Other courses, including special topics, with the approval of the Director
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 26

Latin American Area Studies - Minor
College of Arts and Humanities
Colbourn Hall, Room: 406E & 406F
http://las.cah.ucf.edu
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.

Minor Requirements
- Successful completion of the following courses, or demonstration of proficiency.
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- At least 6 hours must be from one disciplinary group, and at least 3 hours from two additional groups. The remaining hours may be selected from any of the disciplinary groups. Additional courses not listed below may substitute with prior approval from the Program Director.

Anthropology
- ANT 3164 Ancient Incas 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ANT 4508 Gender Issues in Latin America 3 hrs

History
- ARH 4653 Meso American Art 3 hrs
- ARH 3673 Modern Art of Mexico 3 hrs
- ARH 3670 20th Century Latin American Art 3 hrs

Modern Languages and Literature
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- FRW 3770 Francophone Literature 3 hrs
- SPW 3130 Survey of Latin-American Literature I 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- FRW 3752 French Caribbean Literature 3 hrs
- SPW 4382 Central American Literature 3 hrs
- AML 3616 Harlem, Haiti, and Havana 3 hrs
- AML 4630 Latin/Latina Literature 3 hrs
- SPN 3852 Bilingualism 3 hrs
- SPW 4730 Hispanic Literature of the United States 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs

History
- LAH 3130 Latin American History I 3 hrs
- LAH 3200 Modern Latin America 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- ANH 3566 History of the Hispanic Minorities in the U.S.
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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- LDR 2001 Foundations of Leadership 2 hrs
- LDR 2002 Intermediate Foundations of Leadership 2 hrs

Restricted Requirements
- Choose one course from each of the five areas:
  Communication
  1. COM 311C Communication and Human Relations 3 hrs
  2. COM 3120 Organizational Communication or 3 hrs
  3. COM 4461 Intercultural Communication or 3 hrs
  4. COM 4462 Conflict Management or 3 hrs
  5. ENC 2520 Professional Writing or 3 hrs
  6. SPC 3445 Leadership Through Oral Communication 3 hrs

Collaboration
- INP 3004C Industrial/Organizational Psychology or 3 hrs
- INP 4313 Organizational Psychology or 3 hrs
- MAN 4240 Organizations: Theory and Behavior or 3 hrs
- MAN 3025 Management of Organizations or 4 hrs
- SPC 4426 Group Dynamics 3 hrs

Social Relations and Culture
- ANT 3541 Biobehavioral Anthropology or 3 hrs
- CLP 3143 Abnormal Psychology or 3 hrs
- COM 4461 Intercultural Communication or 3 hrs
- EXP 3304C Motivation or 3 hrs
- SOP 3004C Social Psychology or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- 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.

Legal Studies - Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
E-mail: legalstudies@mail.ucf.edu
Dr. David Slaughter
Phone: 407-823-1670

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- PLA 3014 Law and the Legal System 3 hrs
Restricted Electives (18 hrs)

Restricted Upper Division Electives 15 hrs
- 15 Semester hours of legal studies courses selected with the aid of an advisor

Restricted Electives 3 hrs
- 3 semester hours of law-related courses selected with the aid of an advisor

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum grade of “C” (2.0) is required in each course to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Magazine Journalism - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

E-mail: Journalism@mail.ucf.edu
Dr. Steve Collins, Area Coordinator, scollins@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Grammar proficiency requirement.
- A minimum UCF GPA of 3.3 is required.
- The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 2100C</td>
<td>News Reporting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3510</td>
<td>Magazine Publishing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4224</td>
<td>Magazine Editing and Production</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (9 hrs)

Select three from the following choices: 9 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3310</td>
<td>Magazine Writing I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3201</td>
<td>Editing I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3202</td>
<td>Editing II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4300</td>
<td>Feature Writing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4308</td>
<td>Freelance Writing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4340C</td>
<td>On-line Journalism I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

Marketing - Minor
College of Business Administration
Department of Marketing, Business Administration II, Room: 3075

Open to Business and Non-Business Students

Minor Admission Requirements
- Not available to Marketing Majors

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (4 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)

Select four or five:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3323</td>
<td>Integrated Marketing Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3403</td>
<td>Sales Force Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3503</td>
<td>Consumer Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3613</td>
<td>Marketing Analysis and Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3641</td>
<td>Marketing Intelligence</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3721</td>
<td>Technology Applications in Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4231</td>
<td>Retailing Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4711</td>
<td>Sport Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4712</td>
<td>Healthcare Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4715</td>
<td>Entertainment Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 MAR 4803</td>
<td>Marketing Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 MAR 4804</td>
<td>Marketing Strategy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4841</td>
<td>Services Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4834</td>
<td>Contemporary Marketing Topics in Florida</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 MAR 4156</td>
<td>International Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3 MAR 4724</td>
<td>Strategic Foundations in Global E-Business</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Requires prerequisites in addition to MAR 3023
2 or MAR 4234, not both
3 or MAR 4156, not both

Restricted Non-Marketing Elective

Three hours of coursework may be chosen outside of marketing from the list below. However, other courses outside Marketing will also be considered—approval by petition to the Department.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008</td>
<td>Principles of Advertising</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Language and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3011C</td>
<td>Communication and Human Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3311</td>
<td>Communication Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3110</td>
<td>Business and Professional Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3211</td>
<td>Theory and Practice of Technical Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3404C</td>
<td>Basic Learning Processes</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3803</td>
<td>Philosophy and Creativity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PPE 3003C</td>
<td>Personality Theory and Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3213C</td>
<td>Research Methods in Psychology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>RTV 3007</td>
<td>Development and Structure of Electronic Media and New Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3004C</td>
<td>Research Methods in Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 3301</td>
<td>Interpersonal Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 4331</td>
<td>Nonverbal Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 4426</td>
<td>Group Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4102</td>
<td>Computer Processing of Statistical Data</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYA 4500C</td>
<td>Research Methods</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
<td>4 hrs</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 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.
Minors

- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used. Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Mass Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Joan McCain, jmccain@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy all course’s prerequisites before enrolling in the class.

Required Courses
- None

Restricted Electives (18 hrs)
Select at least 6 courses from the following:

18 hrs
- ADV 3008 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 3200 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.

Mathematics - Minor
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
Dr. Joe Brennan, jbreanna@mail.ucf.edu
Phone: 407-823-5700

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Minor Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- A 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 all course’s prerequisites before enrolling in the class.

Required Courses (15 hrs)

- 2 MAC 2311 Calculus with Analytic Geometry I 4 hrs
- 3 MAC 2312 Calculus with Analytic Geometry II 4 hrs
- 3 MAC 2313 Calculus with Analytic Geometry III 4 hrs
- 3 MAP 2302 Differential Equations 3 hrs

Mathematics - Minor
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
Dr. Joe Brennan, jbreanna@mail.ucf.edu
Phone: 407-823-5700

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Minor Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- A 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 all course’s prerequisites before enrolling in the class.

Required Courses (15 hrs)

- 2 MAC 2311 Calculus with Analytic Geometry I 4 hrs
- 3 MAC 2312 Calculus with Analytic Geometry II 4 hrs
- 3 MAC 2313 Calculus with Analytic Geometry III 4 hrs
- 3 MAP 2302 Differential Equations 3 hrs

Mass Culture and Collective Behavior - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
E-mail: sociology@ucf.edu
Dr. Jay Corzine, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop a working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 4000</td>
<td>Sociological Social Psychology</td>
</tr>
</tbody>
</table>

Required: Complete one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Social Problems</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)

- Select four courses from the following:
  - SYA 4650C Community Action and Involvement
  - SYO 4200 Religion in Society
  - SYO 3000 Contemporary Society
  - SYP 3300 Fads, Crowds, and Social Action
  - SYP 3400 Social Change
  - SYP 3602 Patterns of Popular Music in Society
  - SYP 3630 Popular Culture In Society
  - SYP 3650 Sports and Society
  - SYP 4004 Constructing Social Issues

Foreign Language Requirements
- None
Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- A C- or better is required in these courses
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs

Restricted Electives (6 hrs)
- The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.

Select two from the following list of options:
- MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MAD XXXX (any 3000, 4000, or 5000 level course)
- MAP XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MAS XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MTG XXXX (any 3000, 4000, or 5000 level course)
- Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee

NOTE: The following course is NOT acceptable as a restricted elective.
- MAP 4041 Problem Analysis 3 hrs

You may select either course if desired, but not both.
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs

You may select either sequence, but not both.
- MAA 4226 Advanced Calculus I and 4 hrs
  - MAA 4227 Advanced Calculus II 3 hrs

or
- MAA 5210 Topics in Advanced Calculus 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
### Medieval and Renaissance Studies - Minor

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 417G**


Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

#### Required Courses (6 hrs)

- HUM 3435 Medieval Humanities 3 hrs
- EUH 3122 Medieval Society and Civilization 3 hrs
- 1 ENL 4311 Chaucer 3 hrs
- 1 ENL 4341 Milton and His Age 3 hrs
- 1 ENL 4333 Shakespeare Studies 3 hrs

1 Only one of these three courses will count towards required courses.

#### Restricted Electives (12 hrs)

Select no more than two from each disciplinary group:

- **Department of Art**
  - ARH 4200 Medieval Art 3 hrs
  - ARH 4310 Italian Renaissance Art 3 hrs

- **Department of English**
  - ENL 4220 English Renaissance Poetry and Prose 3 hrs
  - ENL 4311 Chaucer 3 hrs
  - ENL 4333 Shakespeare Studies 3 hrs
  - ENL 4341 Milton and His Age 3 hrs

- **Department of History**
  - AMH 4110 Colonial America, 1607-1763 3 hrs
  - AMH 4112 The Atlantic World 3 hrs
  - EUH 3122 Medieval Society and Civilization 3 hrs
  - EUH 3142 Renaissance and Reformation 3 hrs
  - EUH 3531 Medieval Ireland 3 hrs
  - EUH 3536 Early Modern Ireland 3 hrs
  - EUH 4500 English History to 1485 3 hrs
  - EUH 4501 English History: 1485-1815 3 hrs
  - EUH 4610 Women in European Society: From Medieval to Modern 3 hrs
  - EUH 3124 The Crusades 3 hrs

- **Department of Modern Languages**
  - FRW 3100 Survey of French Literature I 3 hrs
  - ITW 3100 Survey of Italian Literature I 3 hrs
  - LAT 1120C Elementary Latin Language and Civilization 4 hrs
  - LAT 1121 Elementary Latin Language and Civilization II 4 hrs
  - SPW 3100 Survey of Spanish Literature I 3 hrs
  - SPW 3370 Spanish Short Story 3 hrs
  - SPW 4310 Golden Age Drama 3 hrs
  - SPW 4322 Contemporary Iberian Theatre 3 hrs
  - SPW 4604 Cervantes 3 hrs
  - ITT 3443 Dante’s Inferno 3 hrs

- **Department of Music**
  - MUH 4322 Medieval and Renaissance Music 3 hrs

- **Department of Philosophy**
  - PHH 3200 Medieval Philosophy 3 hrs
  - HUM 3435 Medieval Humanities 3 hrs

- **Foreign Language Requirements**
  - LAT 1121 Elementary Latin Language and Civilization II 4 hrs
  - SYP 3551 Patterns of Alcoholism in Society 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYP 4730 Patterns of Aging in Society 3 hrs

- **Other Requirements**
  - Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Minors

Middle Eastern Studies - Minor
College of Arts and Humanities
Program in Middle Eastern Studies, Colbourn Hall, Room: 411J
http://middleeasternstudies.cah.ucf.edu
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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
- CPO 3403 Politics of the Middle East 3 hrs
- HUM 3419 Islamic Thought and Culture 3 hrs
- ASH 3223 The Modern Middle East 3 hrs

Restricted Electives (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)
- ARA 2200 Intermediate Arabic Language and Civilization I 3 hrs
- ASH 3222 Islam and Its Empires 3 hrs
- ASH 5277 The Arab-Israeli Conflict 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- HBR 2200 Intermediate Modern Hebrew I 3 hrs
- REL 3553 Moses, Jesus and Muhammad 3 hrs
- JST 3401 Jewish People in Antiquity 3 hrs
- JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
- JST 3820 Modern Israeli Culture 3 hrs
- PHH 3200 Medieval Philosophy 3 hrs
- REL 2300 World Religions 3 hrs

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.

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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (10 hrs)
- MUT 1004 Fundamentals of Music I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs

Select 1: (3 hrs)
- MUL 2010 Enjoyment of Music or 3 hrs
- MUL 2016 Evolution of Jazz or 3 hrs
- MUL 2720 Music of the World or 3 hrs
- MUH 2017 Survey of Rock Music or 3 hrs
- MUH 2019 American Popular Music, 1840s-present 3 hrs

Restricted Electives (9 hrs)
- Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) are not accepted.
■ At least 9 hours used in the minor must be earned at UCF within the department.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Military Science - Minor
College of Engineering and Computer Science
Army ROTC, Army ROTC, Room: 501
LTC Sean Morgan
Phone: 407-823-1872

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (16 hrs)
- MSL 3201C Leadership and Problem Solving 4 hrs
- MSL 3202C Leadership and Ethics 4 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C Officership 4 hrs

Restricted Electives (3 hrs)
- Select one of the following 3 hrs
  - AMH 3541 U.S. Military History To 1900 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 below “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.
Minors

Non-Profit Management/American Humanities
National Certification Program - Minor
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238

Stephanie Krick, skrick@mail.ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Minor Admission Requirements
■ None

Minor Requirements
■ Students must earn a “C” (2.0) or better in each course in the minor.

Prerequisite Courses
■ None

Required Courses (9 hrs)
1 PAD 3930 Nonprofit Leadership Seminar 3 hrs
2 PAD 4948 Nonprofit Management Internship 3 hrs
PAD 4144 Non-Profit Organizations 3 hrs

1 One credit hour repeated three semesters
2 Internships within other programs may be accepted with prior approval of American Humanities advisor

Restricted Electives (9 hrs)
■ Student can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

Generalist Emphasis
■ Choose at least one course from each of the following three groups
Select 1: 3 hrs
■ Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation
1 ACG 2021 Principles of Financial Accounting or 3 hrs
1 ACG 2071 Principles of Managerial Accounting or 3 hrs
1 MAN 3025 Management of Organizations or 4 hrs
PAD 4131 Public Sector Project Management 3 hrs
PAD 4204 Fiscal Management or 3 hrs
1 PAD 5850 Grant and Contract Management 3 hrs
1 SOW 3401 Social Work Research or 3 hrs
PAD 4153 Planning and Improvement for Pub Org or 3 hrs
PAD 4325 Program Evaluation for Public and Non-Profit Organizations 3 hrs

Select 1: 3 hrs
■ Group II: Human Development and Human Resource Development and Volunteerism
1 MAN 3301 Management of Human Resources or 3 hrs
1 MAN 4101 Human Relations in Management or 3 hrs
1 MAN 4320 Human Resources Recruitment and Selection or 3 hrs
PAD 4414 Public Personnel Administration 3 hrs
PAD 4418 Volunteer Management or 3 hrs
SOW 3203 Social Work & Community Resources or 3 hrs
SOW 3104 Assessing I: Human Development or 3 hrs
DEP 2004C Developmental Psychology or 3 hrs
DEP 3464 Psychology of Aging or 3 hrs
EDG 4941 Directed Field Experience 1 hr

Select 1: 3 hrs
■ Group III: Communication & Marketing and Fund Raising Principles & Practices
1 COM 3110 Business and Professional Communication or 3 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business or 3 hrs
MAR 3023 Marketing or 4 hrs
1 MAR 3641 Marketing Intelligence or 3 hrs
MAR 4003 Marketing Management or 3 hrs
PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs

1 SOW 3352 Practice II: Interpersonal Skills in Social Work or 3 hrs
SPC 3301 Interpersonal Communication 3 hrs
1 Course has prerequisites or may be closed to students in the major. Please see catalog for details.

Public Affairs Emphasis 9 hrs
■ Choose at least 3 courses from the following:
PAD 4148 Volunteer Management 3 hrs
PAD 4153 Planning and Improvement for Pub Org 3 hrs
PAD 4131 Public Sector Project Management 3 hrs
PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
PAD 4204 Fiscal Management 3 hrs
1 PAD 4223 Public Budgeting: Skills and Techniques 3 hrs
1 PAD 4253 Community & Economic Development 3 hrs
1 PAD 4325 Program Evaluation for Public and Non-Profit Organizations 3 hrs

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

Other Requirements
■ Enrollment in American Humanities Certification Program through AH program office.
■ Attendance at one national American Humanities Management Institute (additional fees).
■ Membership in UCF American Humanities Student Association.
■ Students must earn a “C” (2.0) or better in each course in the minor.

North American Indian Studies - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Dr. Rosalyn Howard
Phone: 407-823-2227

The North American Indian Studies minor will enhance a student’s understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for all UCF undergraduates.

Minor Admission Requirements
■ Interview with the North American Indian Studies Director.
■ The minor is not open to Anthropology majors.

Minor Requirements
■ Consultation with the Director to develop a program of study and plan course selections.
■ Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF.

Prerequisite Courses
■ Students must satisfy a course’s prerequisites before enrolling in the class.
ANT 2000 General Anthropology 3 hrs

Required Courses (3 hrs)
ANT 4910 Research 3 hrs

Restricted Electives (15 hrs)
■ Courses used in the minor must be taken in at least two departments. Select from the following list.
ANT 3245 Native American Religions 3 hrs
ANT 3313 Indians of North America High Plains 3 hrs
ANT 3311 Indians of the Southeastern United States 3 hrs
ANT 3158 Florida Archaeology 3 hrs
ANT 4906 Directed Independent Study 1 hr
Minor Admission Requirements (6 hrs)

Take one of the following courses:
- MUL 2010 - Enjoyment of Music or MUL 2014 - Introduction to Music History and Literature (3 hrs)

Take one of the following courses:
- THE 2000 - Theatre Survey or THE 2020 - Survey of Theatre for Majors (3 hrs)

Minor Requirements (30 hrs)

- Minor requirement total may be either 30 or 31 hours (includes the admissions requirement courses) depending on the restricted elective selected from the Management courses.

Prerequisite Courses

- None

Required Courses (15 hrs)

- The internship will be a capstone experience taking an average of ten hours per week, student are responsible for securing an internship position, which may be paid or unpaid, on- or off-campus, with qualifying performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.

Internship
- THE 4941 - Internship (3 hrs)

Restricted Electives (9 hrs)

- Select three courses, one from each of the three different areas.
- Restricted Electives may total either 9 or 10 hours depending on the course selected from the Management area.

Finance & Budgeting
- FIN 2100 - Personal Finance and Investments (3 hrs)
- ECO 2023 - Principles of Microeconomics (3 hrs)
- AG 2071 - Principles of Managerial Accounting (3 hrs)

Management
- MAR 3023 - Marketing (3 hrs)
- MAN 3025 - Management of Organizations (3 hrs)
- MAN 3021 - Management (3 hrs)

Other Requirements

- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Minor Requirements (30 hrs)

- Nonprofit Sector
  - PAD 4148 - Volunteer Management (3 hrs)
  - PAD 4147 - Resource Development in the Nonprofit Sector (3 hrs)
  - PAD 3003 - Public Administration in American Society (3 hrs)

Foreign Language Requirements

- None

Total Semester Hours Required

- 30

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted
- At least 15 hours in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.

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
Dr. Jennifer Mundale, jmundale@pegasus.cc.ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

- Select one course from each of the following groups:
  - Reasoning
  - History of Philosophy
  - Values and Society
  - Being and Knowing

Reasoning

- PHI 2011 - Philosophical Reasoning or PHI 2101 - Formal Logic I or PHI 2647 - Logic and Ethics (3 hrs)

History of Philosophy

- PHI 3131 - Formal Logic II or PHI 2108 - Critical Thinking (3 hrs)

Values and Society

- PHH 3300 - Ancient Philosophy or PHH 3200 - Medieval Philosophy or PHH 3460 - Modern Western Philosophy or PHH 3600 - Contemporary Philosophy (3 hrs)

Being and Knowing

- PHI 4500 - Metaphysics or PHI 4341 - Ways of Knowing or PHI 4300 - Theories of Knowledge (3 hrs)

UNIVERSITY OF CENTRAL FLORIDA
## Philosophy, Religion and Popular Culture - Minor

**College of Arts and Humanities**  
**Department of Philosophy, Psychology Building, Room: 220**  
**E-mail: philosophy@mail.ucf.edu**

Dr. Doug Evans (Orlando Campus), dkevans@mail.ucf.edu, 407-823-2273  
Dr. Shelley Park, (Cocoa Campus), sparkle@mail.ucf.edu, 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.

<table>
<thead>
<tr>
<th>Minor Admission Requirements</th>
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<tbody>
<tr>
<td>None</td>
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<thead>
<tr>
<th>Minor Requirements</th>
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<tr>
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<thead>
<tr>
<th>Prerequisite Courses</th>
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<tbody>
<tr>
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<tr>
<th>Required Courses (21 hrs)</th>
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<tbody>
<tr>
<td><strong>Theoretical Foundations</strong> (6 hrs)</td>
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<tr>
<td>PHI 3864 Ways of Living and</td>
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<tr>
<td>PHI 4341 Ways of Knowing</td>
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<tr>
<td>PHI 2101 Formal Logic I or</td>
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<td>PHI 3670 Ethical Theory or</td>
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<td>PHI 3700 Philosophy of Religion or</td>
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<td>PHI 3800 Aesthetics or</td>
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<td>PHI 3100 Freedom and Justice or</td>
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<td>PHI 3720 Faith and Reason or</td>
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<tr>
<td>PHP 3768 Existentialism</td>
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<tr>
<td>PHI 4804 Critical Theory or</td>
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<td>PHI 4300 Theories of Knowledge</td>
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<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>CLT 3378 Comparative Mythology or</td>
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<tr>
<td>HUM 3552 Christian Thought or</td>
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<td>REL 3553 Moses, Jesus and Muhammad or</td>
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<td>HUM 3417 Hindu Thought and Culture or</td>
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<td>HUM 3419 Islamic Thought and Culture or</td>
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<td>HUM 4303 The Spiritual Ideal or</td>
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<td>HUM 4554 Religious Quest and Human Dilemma or</td>
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<td>PHI 3750 The Problem of Evil</td>
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<th>Select 1:</th>
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<tr>
<td>HUM 3320 Contemporary Multicultural Studies or</td>
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<td>HUM 4330 Performance Theory or</td>
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<td>HUM 4556 Religion and the Arts or</td>
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<td>PHI 3625 Virtual Ethics or</td>
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<tr>
<td>PHI 4931 Philosophy in the News or</td>
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<tr>
<td>POS 3235 Mass Media and Politics or</td>
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<tr>
<td>POS 3258 Politics in Film or</td>
</tr>
<tr>
<td>REL 3111 Religion and Philosophy Through Film or</td>
</tr>
<tr>
<td>REL 3115 Religion, Spirituality, and Popular Music or</td>
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<tr>
<td>SYP 3630 Popular Culture In Society</td>
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<tr>
<th>Contemporary Forms of Life Select 1:</th>
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<tbody>
<tr>
<td>ANT 3302 Sex, Gender and Culture or</td>
</tr>
<tr>
<td>HUM 3252 Contemporary Humanities or</td>
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<tr>
<td>PHI 3022 Sexuality, Gender &amp; Philosophy or</td>
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<tr>
<td>PHI 3033 Philosophy, Religion, and the Environment or</td>
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<td>PHI 3629 Family Values or</td>
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<td>PHI 3683 Philosophy of Friendship or</td>
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<td>PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or</td>
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<td>PHI 3123 Feminist Theories or</td>
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<td>PHI 3401 Philosophy of Law or</td>
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<td>REL 3131 Religion in America</td>
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<tr>
<th>Restricted Electives</th>
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<tr>
<th>Foreign Language Requirements</th>
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<thead>
<tr>
<th>Total Semester Hours Required</th>
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<tr>
<td>21</td>
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<tr>
<th>Other Requirements</th>
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<tbody>
<tr>
<td>A “C” (2.0) grade or better is required in all courses used to satisfy the minor.</td>
</tr>
<tr>
<td>At least 15 hours used in the minor must be earned at UCF within the department.</td>
</tr>
<tr>
<td>No credit by exam (TSD, Military credit) may be used.</td>
</tr>
<tr>
<td>Internship, Co-op, or Independent Study credit cannot be used toward the minor.</td>
</tr>
</tbody>
</table>
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.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (11 hrs)
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Restricted Electives (9 hrs)
- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Political Science - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
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/PreLaw, shall not count more than one course toward both programs, except the following:
     - POS 2041 American National Government 3 hrs

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (3 hrs)
- POS 2041 American National Government 3 hrs

Restricted Electives (15 hrs)
- Five upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, 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 used:
  - 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.

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:
     - POS 2041 American National Government 3 hrs

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (6 hrs)
- POS 2041 American National Government 3 hrs
- POS 4284 Judicial Process and Politics 3 hrs

Restricted Electives (12 hrs)
- Select 1:
  - INR 4401 International Law I or 3 hrs
  - INR 4402 International Law II or 3 hrs
  - POS 4603 American Constitutional Law or 3 hrs
  - POS 4604 American Constitutional Law II 3 hrs

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.
Minors

Psychology - Minor
College of Sciences
Department of Psychology, Psychology Building, Room: 301

http://www.psych.ucf.edu/
E-mail: psychadvising@ucf.edu

The Psychology Department minor permits emphasis of several areas: Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements
- The minor is not open to psychology majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of "C" (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (10 hrs)

- PSY 2012 General Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs

Select one statistics course: 3 hrs

- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Restricted Electives (15 hrs)

A. Experimental

- EXP 3404C Basic Learning Processes or 3 hrs
- EXP 3204C Perception or 4 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSY 3703 Psychology of Language 3 hrs

B. Personality/Social

- Select 1: 3 hrs
  - PPE 3003C Personality Theory and Research or 3 hrs
  - SOP 3004C Social Psychology 3 hrs

C. Developmental

- Select 1: 3 hrs
  - DEP 2004C Developmental Psychology or 3 hrs
  - DEP 3202 Psychology of Exceptional Children or 3 hrs
  - DEP 3464 Psychology of Aging 3 hrs

D. Diversity

- Select 1: 3 hrs
  - CLP 3184 Women's Mental Health or 3 hrs
  - SOP 3742 Psychology of Women or 3 hrs
  - SOP 3723 Cross Cultural Psychology or 3 hrs
  - SOP 3724 Psychology of Prejudice or 3 hrs
  - SOP 3784 Psychology of Diversity 3 hrs

E. 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 3805 Directed Independent Study 1 hr
  - PSY 4906 Directed Independent Study 1 hr
  - PSY 4912 Directed Independent Research 1 hr
  - 1 PSY 3951 Undergraduate Field Work 1 hr

1 This course may fulfill the requirement with prior approval.

Foreign Language Requirements
- None

Total Semester Hours Required
- 25

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Public Administration - Minor
College of Health and Public Affairs
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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)

- PAD 3003 Public Administration in American Society 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Public Personnel Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in each course used to satisfy the minor.
- Students must earn at least a 2.0 ("C") to earn credit.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without prior approval.

Real Estate - Minor
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration I, Room: 427

Students seeking advising must go to BA 2 room 101.

http://www.bus.ucf.edu/realestate/
Phone: 407-823-3575

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses (6 hrs)

- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Required Courses (13 hrs)

- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs
### Religious Studies - Minor

**Department of Philosophy, Psychology Building, Room: 220**


**E-mail: religion@mail.ucf.edu**

Dr. Sabatino DiBernardo, sdberna@mail.ucf.edu, 407-823-2273

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology, Art, English, History, Judaic Studies, Philosophy, Political Science, Psychology, and Sociology, and are to be selected in consultation with the Religious Studies advisor.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

- REL 2300 World Religions (3 hrs)

### Restricted Electives

- (Select from the following courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 3370</td>
<td>Classical Mythology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3378</td>
<td>Comparative Mythology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3320</td>
<td>Contemporary Multicultural Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3401</td>
<td>Asian Humanities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3417</td>
<td>Hindu Thought and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3419</td>
<td>Islamic Thought and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3552</td>
<td>Christian Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4303</td>
<td>The Spiritual Ideal</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4330</td>
<td>Performance Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4554</td>
<td>Religious Quest and Human Dilemma</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3638</td>
<td>Ethical Issues in the 21st Century</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3672</td>
<td>Animal Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3684</td>
<td>Ways of Living</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3700</td>
<td>Philosophy of Religion</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4321</td>
<td>Philosophies of Embodiment: Mind/Body/Self</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4341</td>
<td>Ways of Knowing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4804</td>
<td>Critical Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3020</td>
<td>Philosophy of Love</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3100</td>
<td>Freedom and Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3111</td>
<td>Religion and Philosophy Through Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3115</td>
<td>Religion, Spirituality, and Popular Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3313</td>
<td>Religion in America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3340</td>
<td>Buddhist Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3432</td>
<td>Roots of Western Mysticism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 4110</td>
<td>Religion and the Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 4180</td>
<td>Religion and Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3553</td>
<td>Moses, Jesus and Muhammad</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3165</td>
<td>Harlem, Haiti, and Havanna</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3241</td>
<td>Magic, Ritual, and Belief</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 3222</td>
<td>Islam and its Empires</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 3223</td>
<td>The Modern Middle East</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3005</td>
<td>Tenets of Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3125</td>
<td>The Book of Job</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
## Minors

### Secure Computing and Networks - Minor
**College of Engineering and Computer Science**
**Department of Electrical Engineering and Computer Science**
**Science, Harris Corp. Engineering Center, Room: 346**
**http://www.eecs.ucf.edu**
Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(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:**
- CNT 4403 Network Security and Privacy or 3 hrs
- CIS 4361 Secure Operating Systems and Administration or 3 hrs
- CIS 4615 Secure Software Development and Assurance or 3 hrs
- CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
- CNT 4704 Analysis of Computer Communication Networks or 3 hrs
- COP 4600 Operating Systems or 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

### Science Education - Minor
**College of Education**
**School of Teaching, Learning, and Leadership,**
**Education Building, Room: 209**
**http://education.ucf.edu/science/**
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

**Minor Admission Requirements**
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(19 hrs)*
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- CIS 3360 Security in Computing 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs
- Select 4: 12 hrs
- CNT 4403 Network Security and Privacy or 3 hrs
- CIS 4361 Secure Operating Systems and Administration or 3 hrs
- CIS 4615 Secure Software Development and Assurance or 3 hrs
- CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
- CNT 4704 Analysis of Computer Communication Networks or 3 hrs
- COP 4600 Operating Systems or 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- Elective Courses: Select any four courses from the following list.

**Required Courses** *(6 hrs)*
- CNT 4403 Network Security and Privacy or 3 hrs
- CIS 4361 Secure Operating Systems and Administration or 3 hrs
- CIS 4615 Secure Software Development and Assurance or 3 hrs
- CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
- CNT 4704 Analysis of Computer Communication Networks or 3 hrs
- COP 4600 Operating Systems or 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

### Social Science Education - Minor
**College of Education**
**School of Teaching, Learning, and Leadership,**
**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

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(19 hrs)*
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- CIS 3360 Security in Computing 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs
- Select 4: 12 hrs
- CNT 4403 Network Security and Privacy or 3 hrs
- CIS 4361 Secure Operating Systems and Administration or 3 hrs
- CIS 4615 Secure Software Development and Assurance or 3 hrs
- CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
- CNT 4704 Analysis of Computer Communication Networks or 3 hrs
- COP 4600 Operating Systems or 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

### Other Requirements
- Recommended courses include: BSC 2010, BSC 2011, CHM 2045, CHM 2046, PHY 2053 or PSC 1121
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor
Minors

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.

Minor Requirements
■ Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
■ Grades below "C" (2.0) in lower level courses are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the department of Sociology.
■ No more than 3 hours of Independent Study credit can be used toward the minor.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
■ SYG 2000 Introduction to Sociology (3 hrs)

Restricted Electives
■ 2000-4000 level Sociology courses (15 hrs)

Restricted Upper Division Electives
■ 3000-4000 level Sociology courses (12 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.

Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
E-mail: forolang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
■ None

Sport Business Management (SPB): Business Minor - Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu
Dr. C. Keith Hamson, Faculty Coordinator for SPB Minor, kharrison@bus.ucf.edu, 407-823-1158

Open to Business majors only. Minor will only be awarded at the time of business degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
■ Completion of Common Program Prerequisites and Admission to a major within the College of Business Administration

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ SPB 3003 Introduction to Sport Business Management (3 hrs)
■ SPB 3603 Diversity and Social Issues in Sport Business Management (3 hrs)
■ SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment (3 hrs)
■ MAR 4711 Sport Marketing (3 hrs)

Restricted Electives
■ SPB 4304 Sports Event and Facility Management (3 hrs)
■ SPB 4804 Sport Business and Media (3 hrs)
■ GEB 4824 Business Law in Sport & Entertainment (3 hrs)

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18
Minors

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, kharrison@bus.ucf.edu, 407-823-1158

Open to Non-Business Majors only. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses (7 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4</td>
</tr>
</tbody>
</table>

Required Courses
- SPB 3003 Introduction to Sport Business Management 3 hrs
- SPB 3603 Diversity and Social Issues in Sport 3 hrs
- SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs
- MAR 4711 Sport Marketing 3 hrs

Restricted Electives (6 hrs)
- SPB 4304 Sports Event and Facility Management 3 hrs
- SPB 4804 Sport Business and Media 3 hrs
- GEB 4824 Business Law in Sport & Entertainment 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.

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.

Minor Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>STA 4163</td>
<td>Statistical Methods II</td>
<td>3</td>
</tr>
<tr>
<td>STA 4164</td>
<td>Statistical Methods III</td>
<td>3</td>
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Select 1:
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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I or II</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3</td>
</tr>
</tbody>
</table>

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 Educational and Human Sciences, Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
E-mail: jwhitema@mail.ucf.edu
Dr. Jo Ann M. Whiteman, ED 123 N, jwhitema@mail.ucf.edu, 407-325-6293
Phone: 407-823-2289

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not intended for students admitted to a degree program in the College of Education and does not lead to teacher certification or admission to the College of Education. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Must be Junior standing

Minor Requirements
- None
Minors

Technological Entrepreneurship - Minor
College of Business Administration
Department of Management, Business Administration,  
Room: 309
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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

GEB 3113  How to Start a Business  3 hrs
GEB 4110  Business Plan Preparation  3 hrs
GEB 4152  Technological Entrepreneurship  3 hrs

Restricted Electives
- None

Innovation Design or Research Sequence  (6 hrs)
- Any 6-credit sequence approved by the program coordinator in coordination with faculty in partner disciplines 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:

- Required Courses  (9 hrs)
  - EGN 4412C  Interdisciplinary Design I and  3 hrs
  - EGN 4413C  Interdisciplinary Design II  3 hrs

- BSEE, BSCE:
  - EEL 4914  Senior Design I and  3 hrs
  - EEL 4915L  Senior Design II  3 hrs

- BMSE:
  - EML 4501C  Engineering Design I and  3 hrs
  - EML 4502C  Engineering Design II  3 hrs

- BSCE:
  - CCE 4810C  Construction Design Project and  3 hrs
  - CEG 4801C  Geotechnical Engineering Design  3 hrs

- BSAE:
  - EAS 4700C  Aerospace Design I and  3 hrs
  - EAS 4710C  Aerospace Design II  3 hrs

- Digital Media:
  - DIG 4713  Game Design and  3 hrs
  - DIG 4715C  Game Production  3 hrs

Other Requirements
- None

Total Semester Hours Required
- 18

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.

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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses  (15 hrs)
- THE 2304  Script Analysis  3 hrs
- THE 3311  Theatre History and Dramatic Literature I  3 hrs
- TPP 2101  Fundamentals of Acting  3 hrs
- TPA 2201  Technical Theatre Production  2 hrs
- TPA 2201L  Technical Theatre Production Lab  1 hr

Select 1:
- THE 2000  Theatre Survey or  3 hrs
- THE 2020  Survey of Theatre for Majors  3 hrs

Restricted Electives  (3 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the Theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.
## 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

**Minor 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>PAD 4712</td>
<td>Information Systems for Public Managers and Planners</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4331</td>
<td>Land Use and Planning</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4534</td>
<td>Urban Design</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4531</td>
<td>Issues in Environmental Program Management</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4803</td>
<td>Issues in Urban Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3621</td>
<td>Theories of Masculinity</td>
</tr>
<tr>
<td>WST 3522</td>
<td>First and Second Wave Feminisms or</td>
</tr>
<tr>
<td>WST 3561</td>
<td>Third Wave Feminisms</td>
</tr>
<tr>
<td>WST 3621</td>
<td>Theories of Masculinity</td>
</tr>
<tr>
<td>WST 4349</td>
<td>Ecofeminism</td>
</tr>
<tr>
<td>WST 4415</td>
<td>Global and Transnational Feminism or</td>
</tr>
<tr>
<td>LIT 4554</td>
<td>Advanced Feminist Theories or</td>
</tr>
<tr>
<td>PHM 3123</td>
<td>Feminist Theories</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- Students must consult departmental handbooks every semester.
- Major or minor admission requirements for 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.
- At least 12 hours used toward the minor must be earned from the UCF Theatre Department.
- At least 15 hours used toward the minor must be earned from the UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

## Women’s Studies - Minor
### College of Arts and Humanities

**Program in Women's Studies, Colbourn Hall, Room: 411A**

**http://womensstudies.cah.ucf.edu**

**E-mail: womensst@mail.ucf.edu**

Dr. M.C. Santana, 407-823-2269

Phone: 407-823-6502

The Women’s Studies minor provides students with an opportunity to learn about women’s historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women’s Studies Program.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3015</td>
<td>Introduction to Women’s Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select 1:**

- Select one course from the Theories Group:
  - 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 or
  - LIT 4554 Advanced Feminist Theories or
  - PHM 3123 Feminist Theories

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3020</td>
<td>Girls’ Studies</td>
</tr>
<tr>
<td>WST 3371</td>
<td>Women and Leadership</td>
</tr>
<tr>
<td>WST 3460</td>
<td>Women, Race and Struggle</td>
</tr>
<tr>
<td>WST 3500</td>
<td>Gender Issues and Community Activism</td>
</tr>
<tr>
<td>WST 3522</td>
<td>First and Second Wave Feminisms</td>
</tr>
<tr>
<td>WST 3621</td>
<td>Theories of Masculinity</td>
</tr>
<tr>
<td>WST 4002</td>
<td>Research in Women and Gender</td>
</tr>
<tr>
<td>WST 4021</td>
<td>Girls and Leadership</td>
</tr>
<tr>
<td>WST 4349</td>
<td>Ecofeminism</td>
</tr>
<tr>
<td>WST 4415</td>
<td>Global and Transnational Feminism</td>
</tr>
</tbody>
</table>

**Women’s Studies Disciplinary Approaches**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3561</td>
<td>Women in American History I</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3562</td>
<td>Women in American History II</td>
<td>3</td>
</tr>
<tr>
<td>ASH 4304</td>
<td>Women in China</td>
<td>3</td>
</tr>
<tr>
<td>EUH 4610</td>
<td>Women in European Society: From Medieval to Modern</td>
<td></td>
</tr>
</tbody>
</table>

**Women’s History**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3283</td>
<td>Contemporary American Women’s Fiction</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4871</td>
<td>Women in Art</td>
<td>3</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
<td>3</td>
</tr>
<tr>
<td>FIL 3880C</td>
<td>Images of Women in Film</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3383</td>
<td>Women in Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>Hispanic Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>PHM 3022</td>
<td>Sexuality, Gender &amp; Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>

**Representations of Women**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3283</td>
<td>Contemporary American Women’s Fiction</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4871</td>
<td>Women in Art</td>
<td>3</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
<td>3</td>
</tr>
<tr>
<td>FIL 3880C</td>
<td>Images of Women in Film</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3383</td>
<td>Women in Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>Hispanic Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>PHM 3022</td>
<td>Sexuality, Gender &amp; Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>
Women's Wellness
CLP 3184 Women's Mental Health 3 hrs
NSP 4425 Women's Health Issues 3 hrs
SOP 3742 Psychology of Women 3 hrs

Select 1: 3 hrs
PEM 2405 Self Defense for Women and Men or 3 hrs
SOP 2772 Sexual Behavior 3 hrs

Women and Social Policy
ANT 3302 Sex, Gender and Culture 3 hrs
ANT 4308 Gender Issues in Latin America 3 hrs
CCJ 4670 Women and Crime 3 hrs
CCJ 4681 Domestic Violence and the Justice System 3 hrs
CPO 4710 Women in Comparative Politics 3 hrs
INR 4085 Women, Gender, and Globalization 3 hrs
PUP 3325 Women and Political Behavior 3 hrs
PUP 3629 Women and Public Policy 3 hrs
SYD 3751 North American Indian Women Today 3 hrs
SYD 4810 Women in Contemporary Society 3 hrs
SYD 4813 Women, Law and Social Change 3 hrs
SYO 4100 Family Trends 3 hrs
SYD 3800 Sex and Gender in Society 3 hrs

Foreign Language Requirements
  ■ None

Total Semester Hours Required 18

Other Requirements
  ■ Minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
  ■ At least 12 hours used in the minor must be earned at UCF.
  ■ No credit by exam (TSD, military credit) may be used.

World Comparative Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics are invited to consider the WCS minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements
  ■ None

Minor Requirements
  ■ None

Prerequisite Courses
  ■ None

Required Courses (3 hrs)
IDS 3333 World Comparative Studies 3 hrs

Restricted Electives (15 hrs)
  ■ Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with an academic advisor in the Office of Interdisciplinary Studies.
AML 3615 Harlem, Haiti, and Havana 3 hrs
Writing and Rhetoric - Minor

College of Arts and Humanities
Department of Writing and Rhetoric, Colbourn Hall, Room: 301 B
http://writingandrhetoric.cah.ucf.edu

E-mail: bscott@mail.ucf.edu

Dr. Blake Scott, bscott@mail.ucf.edu, 407-823-1057

The Minor in Writing and Rhetoric will provide students with in-depth writing preparation grounded in the discipline of writing and rhetoric studies. The curriculum emphasizes writing as civic and community engagement.

Minor Admission Requirements

Transfer Notes
- Transfer courses in which students earned lower than a “C” (2.0 GPA) will not be accepted.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

Minor Requirements
- Students must earn a minimum GPA of 2.5 in coursework used to satisfy the minor.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

Prerequisite Courses (3 hrs)
1 ENC 1102 Composition II 3 hrs

Required Courses (3 hrs)
- Students should take core course as early in the program as possible.
- ENC 3331 Rhetoric and Civic Engagement 3 hrs

Restricted Electives (9 hrs)
- One course from each of the three Department of Writing and Rhetoric curricular clusters (see below):

Public, Professional and Disciplinary Writing 3 hrs
- ENC 3250 Professional Writing 3 hrs
- ENC 3310 Magazine Writing I 3 hrs

Rhetoric and Writing Histories and Theories 3 hrs
- ENC 3300 Rhetorical Traditions 3 hrs
- ENC 3417 Writing, Literacy, and Technology 3 hrs
- ENC 3373 Alternative Rhetorics 3 hrs
- ENC 3372 Topics in Rhetoric and Writing Histories and Theories 3 hrs
- ENC 4504 Contemporary Composition Theory 3 hrs
- ENC 4523 Writing and Identity 3 hrs
- ENC 4374 Gendered Rhetorics 3 hrs
- LIN 4600 Language and Society 3 hrs

Language and the Teaching of Writing 3 hrs
- ENC 3473 Writing in Disciplinary Cultures 3 hrs
- ENC 3521 Cultural Literacies 3 hrs
- ENC 3503 Topics in Language and the Teaching of Writing 3 hrs
- ENC 4544 Writing Pedagogy 3 hrs
- ENC 4275 Writing/Consulting: theory & practice 3 hrs
- LIN 3673 Grammar & Advanced Prose Style 3 hrs
- LIN 4680 Modern English Grammar 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
Students must also take two courses from among the following: 6 hrs
- Any course offered by the Department of Writing and Rhetoric not used to satisfy another requirement of the minor.
- Any 3000 or 4000 level ENC technical communication course.
- Any 3000 or 4000 level approved Gordon Rule course including:
- CRW 3011 Creative Writing for Non-Majors 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs
- PLA 3108 Legal Research 3 hrs
- PLA 3155 Legal Writing 3 hrs
### Aging Studies - Certificate

**College of Health and Public Affairs**  
**School of Social Work, Health and Public Affairs I, Room: 204**

**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. Certificates will be awarded only at the time of degree completion.

<table>
<thead>
<tr>
<th>Certificate Admission Requirements</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Certificate Requirements</strong></td>
<td>A required internship, along with course options that include service-learning activities, complements the web-based course of study.</td>
</tr>
<tr>
<td>Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.</td>
<td></td>
</tr>
<tr>
<td><strong>Prerequisite Courses</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Required Courses (6 hrs)</strong></td>
<td>GYE 3001  Gerontology: An Interdisciplinary Overview 3 hrs</td>
</tr>
<tr>
<td><strong>Required Internship:</strong> (Select one)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 SOW 4510  Field Education 9 hrs</td>
<td></td>
</tr>
<tr>
<td>2 SOW 4941  Internship 9 hrs</td>
<td></td>
</tr>
<tr>
<td>PSY 3951  Undergraduate Field Work 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 4941  Internship 3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 (Part-time students ONLY). Cannot be used with SOW 4941.</td>
<td></td>
</tr>
<tr>
<td>2 (Full-time students ONLY). Cannot be used with SOW 4941.</td>
<td></td>
</tr>
<tr>
<td><strong>Restricted Electives (9 hrs)</strong></td>
<td></td>
</tr>
<tr>
<td>Students select three additional courses from the following courses:</td>
<td></td>
</tr>
<tr>
<td>A maximum of two courses in their College must be taken and at least one course must be outside their college.</td>
<td></td>
</tr>
<tr>
<td><strong>College of Health and Public Affairs (6 hrs)</strong></td>
<td></td>
</tr>
<tr>
<td>HSA 4220  Long Term Patient Management 3 hrs</td>
<td></td>
</tr>
<tr>
<td>HSA 3222  Long Term Care and Administration 3 hrs</td>
<td></td>
</tr>
<tr>
<td>HSC 4564  Health Care Needs of the Elderly 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PLA 4530  Legal Issues of the Elderly 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SOW 4645  Social Services for the Elderly 3 hrs</td>
<td></td>
</tr>
<tr>
<td>NUR 4286  Gerontologic Nursing 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SOW 3740  Social Work Practice with Loss &amp; Life's Transitions 3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Other Colleges (3 hrs)</strong></td>
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</tr>
<tr>
<td>DEP 3464  Psychology of Aging 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 4730  Patterns of Aging in Society 3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 GYE 5007  Women and Healthy Aging 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 4732  Minority Aging 3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 Open to undergraduates with senior standing</td>
<td></td>
</tr>
<tr>
<td><strong>Foreign Language Requirements</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Total Semester Hours Required</strong></td>
<td>15</td>
</tr>
<tr>
<td><strong>Other Requirements</strong></td>
<td>A minimum GPA of 2.0 required in all courses used to satisfy the certificate</td>
</tr>
<tr>
<td>Grades less than “C” (2.0) are not accepted</td>
<td></td>
</tr>
<tr>
<td>At least 12 hours used in the certificate must be earned at UCF within the department</td>
<td></td>
</tr>
<tr>
<td>No credit by exam (TSD, Military credit) may be used.</td>
<td></td>
</tr>
<tr>
<td>Independent Study cannot be used toward the certificate</td>
<td></td>
</tr>
</tbody>
</table>

### Behavioral 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.

<table>
<thead>
<tr>
<th>Certificate Admission Requirements</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Certificate Requirements</strong></td>
<td>A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.</td>
</tr>
<tr>
<td>Grades below &quot;C&quot; (2.0) in lower level courses are not accepted.</td>
<td></td>
</tr>
<tr>
<td>At least 12 hours used in the certificate must be earned at UCF.</td>
<td></td>
</tr>
<tr>
<td><strong>Prerequisite Courses (9 hrs)</strong></td>
<td></td>
</tr>
<tr>
<td>Students must satisfy each course’s prerequisites before enrolling in the class.</td>
<td></td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Complete one introductory course:</td>
<td></td>
</tr>
<tr>
<td>PSY 2012  General Psychology 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYG 2000  Introduction to Sociology 3 hrs</td>
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</tr>
<tr>
<td><strong>Take all of the following:</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>Complete both classes:</td>
<td></td>
</tr>
<tr>
<td>PPE 3003C  Personality Theory and Research and 3 hrs</td>
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</tr>
<tr>
<td>SYP 3510  Sociology of Deviant Behavior 3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Required Courses (9 hrs)</strong></td>
<td></td>
</tr>
<tr>
<td>CLP 4390  Forensic Psychology 3 hrs</td>
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</tr>
<tr>
<td>SOP 3751  Legal Aspects of Psychology 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 3520  Criminology 3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Restricted Electives (12 hrs)</strong></td>
<td></td>
</tr>
<tr>
<td>Note: It is the student’s responsibility to meet all prerequisites for every course selected</td>
<td></td>
</tr>
<tr>
<td><strong>From Psychology, select one of the following:</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>CLP 3143  Abnormal Psychology 3 hrs</td>
<td></td>
</tr>
<tr>
<td>CLP 3302  Clinical Psychology 3 hrs</td>
<td></td>
</tr>
<tr>
<td>CLP 4134  Childhood Psychopathology 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PCO 4203  Interviewing and Counseling 4 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>From Sociology, select two of the following:</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>SYP 3511  Sociology of Murder 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 3530  Juvenile Delinquency 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 3562  Patterns of Domestic Violence in Society 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 4521  Crime Victims in Society 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 4514  Patterns of Violence in Society 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 4536  Gangs and Society 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 3540  Sociology of Law 3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>From Criminal Justice, select one of the following:</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3014  Crime in America 3 hrs</td>
<td></td>
</tr>
<tr>
<td>CCJ 3024  Criminal Justice System 3 hrs</td>
<td></td>
</tr>
<tr>
<td>CCJ 4670  Women and Crime 3 hrs</td>
<td></td>
</tr>
<tr>
<td>CJ 4630  Serial Murder and Criminal Justice 3 hrs</td>
<td></td>
</tr>
<tr>
<td>CJ 3667  Victims and the CJ System 3 hrs</td>
<td></td>
</tr>
<tr>
<td>CCJ 4681  Domestic Violence and the Justice System 3 hrs</td>
<td></td>
</tr>
<tr>
<td>CCJ 4690  Sex Offenders and the Criminal Justice System 3 hrs</td>
<td></td>
</tr>
<tr>
<td>CJE 4012  Criminal Profiling in Criminal Justice 3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Foreign Language Requirements</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Total Semester Hours Required</strong></td>
<td>30</td>
</tr>
</tbody>
</table>
Certificates

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the certificate without prior consent.

Children’s Services - Certificate
College of Health and Public Affairs
School of Social Work, Health and Public Affairs I, Room: 204
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 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
■ (18 hrs)
  SOW 3352 Practice II: Interpersonal Skills in Social Work
  SOW 4654 Children’s Services
  SOW 4650 Child Abuse: Treatment and Prevention
  Select 1:
  9 hrs
  1 SOW 4510 Field Education or
  2 SOW 4941 Internship

  (for full-time students ONLY)
  (for part-time students over two semesters)

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ None

Crime Scene Investigation - 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 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 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

Prerequisite Courses
■ None

Required Courses
■ (12 hrs)
  CJE 3662 CJ Information Technology and Data Management
  CJE 4663 Crime Mapping and Pattern Analysis
  CCJ 4076 Crime Intelligence and Investigative Support Analysis

Restricted Electives
■ Select two of the following:
  CCJ 3451 Justice System Technology
  CJE 3444 Crime Prevention
  CJE 4654 Crime and Place
  CCJ 3450 The Criminal Justice Manager
  CJE 4352 Policy Development in Law Enforcement
  CJE 4572 Justice Agency Operations

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ None

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ 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 4521 Forensic Anthropology
  ANT 4183 Archaeological Sciences
  CJE 4012 Criminal Profiling in Criminal Justice
  CJE 4610 Criminal Investigation
Criminal Profiling - Certificate

Certificate 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)
  - CJE 4610  Criminal Investigation  3 hrs
  - CJE 4630  Serial Murder and Criminal Justice System  3 hrs
  - CCJ 4195  Interviews & Interrogations in CJ  3 hrs
  - CHS 3501  Introduction to Forensic Science  3 hrs
  - ANT 3115  Archaeological Method and Theory  3 hrs

Restricted Electives
- (3 hrs)
  - Select one of the following:
    - DSC 4012  Terrorism  3 hrs
    - CJE 4610  Criminal Investigation  3 hrs
    - CCJ 4195  Interviews & Interrogations in CJ  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate
- At least 12 hours used in the certificate must be earned at UCF within the department
- No credit by exam (TSD, Military credit) may be used
- Internship or Independent Study credit cannot be used toward the certificate

Cultural Tourism - Certificate

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
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)
  - HFT 3540  Guest Services Management I  3 hrs
  - HFT 3700  Tourism Management  3 hrs
  - HFT 4735  Tourism Geography  3 hrs
  - ANT 4303  Anthropology of Tourism  3 hrs

Restricted Electives
- (6 hrs)
  - Choose two classes from one of the following areas:
    - African American Heritage area (choose two classes)
      - AFA 3104  The Black Intellectual Experience  3 hrs
      - AFA 4105  Documenting 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 3212  Peoples of the World  3 hrs
- ANT 2410  Cultural Anthropology  3 hrs
- ANT 3115  Archaeological Method and Theory  3 hrs
- ANT 3701  Applied Anthropology  3 hrs

Environmental Tourism area (choose two classes)
- BOT 3152C  Local Flora  3 hrs
- PCB 3442  Aquatic Ecology  3 hrs
- INR 4351  International Environmental Law  3 hrs
- PUP 3203  Environmental Politics  3 hrs
- PUP 4204  Sustainability  3 hrs
- SYD 4510  Environment and Society  3 hrs

Latin American area (choose two classes)
- ANT 3163  Mesoamerican Archaeology  3 hrs
- ANT 3168  Maya Archaeology  3 hrs
- ANT 4332  People and Cultures of Latin America  3 hrs
- ANT 4340  Caribbean Cultures  3 hrs
- ARH 4653  Meso American Art  3 hrs
- CPO 4303  Comparative Latin American Politics  3 hrs
- LAH 3400  History of Mexico and Central America  3 hrs
- LAH 3470  History of the Caribbean  3 hrs
- LAH 3130  Latin American History I  3 hrs
- LAH 3200  Modern Latin America  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director.
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.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (9 hrs)
- INR 4030 Diplomacy 3 hrs
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- INR 4102 American Foreign Policy 3 hrs

Restricted Electives (6 hrs)
Select two courses from the following list:
- INR 4114 American Security Policy or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4114 Politics of International Trade Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- INR 4401 International Law I or 3 hrs
- INR 4502 International Organizations or 3 hrs
- AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No course grade lower than a C will be accepted for the certificate.
- A minimum GPA of 2.0 is required in courses used to satisfy the certificate.
- Completion of the certificate does not complete the requirements for teacher certification or 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 and a banking faculty member.

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 4324 Commercial Bank Management 3 hrs
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs

Select 1:
- MAR 3391 Professional Selling or 3 hrs
- FIN 4941 Finance Internship 3 hrs
Required Courses (12 hrs)

- None

Prerequisite Courses

- None

Certificate Requirements

- None

Certificate Admission 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 Intermediate Financial Accounting I 3 hrs
  - FIN 3414 Intermediate Corporate Finance 3 hrs
  - FIN 4941 Finance Internship 3 hrs
  - ACG 3141 Intermediate Financial Accounting II 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- None

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

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- None

Judaic Studies - Certificate
College of Arts and Humanities
Program in Judaic Studies, Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu
E-mail: judaicst@mail.ucf.edu

Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women's Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses. For minor requirements, refer to the section on Judaic Studies Minor.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses

- (15 hrs)
  - Language
    - HBR 1120 Elementary Modern Hebrew Language and Culture I 4 hrs
    - HBR 1121 Elementary Modern Hebrew Language and Culture II 4 hrs
    - HBR 2200 Intermediate Modern Hebrew I 3 hrs
    - HBR 2201 Intermediate Modern Hebrew II 3 hrs
    - HBR 3250 Biblical Hebrew 3 hrs
    - HBR 3410 Conversational Israeli Hebrew 3 hrs
  - Jewish History
    - JST 3401 Jewish People in Antiquity 3 hrs
    - JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
    - JST 3550 Introduction of Modernism into Judaism 3 hrs
    - JST 3481 20th Century Jewish History and Thought 3 hrs
    - JST 3701 History of the Holocaust 3 hrs
    - JST 3415 American Jewish History 3 hrs
  - Bible
    - JST 3120 Hebrew Scriptures 3 hrs
    - JST 3125 The Book of Job 3 hrs
    - JST 3126 Romantic Love in the Bible 3 hrs
    - JST 3144 Dead Sea Scrolls 3 hrs
    - JST 3190 The Biblical Prophets 3 hrs
  - Literature
    - JST 3100 The Hebrew Creative Mind 3 hrs
    - JST 3312 Identity and Genre 3 hrs
    - JST 3751 Literature of the Holocaust 3 hrs
  - Jewish Civilization
    - JST 3005 Tenets of Judaism 3 hrs
    - JST 3121 Classic Texts of Judaism 3 hrs
    - JST 3210 Kabbalah: Jewish Mysticism 3 hrs
    - JST 3620 Contemporary Jewish Ethics and Morality 3 hrs
  - Culture
    - JST 3450 Modern Jewish Experience 3 hrs
    - JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
    - JST 3820 Modern Israeli Culture 3 hrs
Certificates

Other courses, including special topics, with the approval of the Director

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.

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
TBA

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses

Required Courses (11 hrs)
- LIN 3716 Language Development 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- LIN 3673 Grammar & Advanced Prose Style 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 11

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.

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

Required Courses (13 hrs)
- LIN 3716 Language Development 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- LIN 3673 Grammar & Advanced Prose Style 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 13

Other Requirements
- At least 10 hours used in the program must be earned at UCF with specific aspects of leadership covered.
- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.
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 Technology Applications in Marketing 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in “e”-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: 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

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4712 Healthcare Marketing 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in healthcare-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Retailing Management - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors.
- These six hours count as the six elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4231 Retailing Management 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Selling and Sales Management - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing Majors
- These six hours count as the six elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4715 Entertainment Marketing 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in entertainment-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None
Certificates

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses

- MAR 3403  Sales Force Management  3 hrs
- MAR 4941  Marketing Internship  3 hrs

1 Internship in sales-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 6

Other Requirements

- None

Marketing: Services Marketing - Certificate

College of Business Administration

Department of Marketing, Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements

- Restricted to Marketing majors
- These six hours count as 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
- MAR 4941  Marketing Internship  3 hrs

1 Internship in services-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 6

Other Requirements

- None

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)

- MSL 4301C  Leadership and Management  4 hrs
- MSL 4302C  Officership  4 hrs
- AMH 3547  U.S. Military History Since 1900  3 hrs
- MSL 4301C  Leadership and Problem Solving  4 hrs
- MSL 4302C  Leadership and Ethics  4 hrs

Select 1: 4 hrs

- MSL 3201C  Leadership and Problem Solving
- MSL 3202C  Leadership and Ethics

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/ha/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

Required Courses
- Required Core Courses (15 hrs)
  - PAD 4144 Non-Profit Organizations 3 hrs
  - PAD 4148 Volunteer Management 3 hrs
  - PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
  - PAD 4325 Program Evaluation for Public and Non-Profit Organizations 3 hrs
  - PAD 4153 Planning and Improvement for Pub Org 3 hrs

Restricted Electives (3 hrs)
- See advisor for approved courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration

Public and Professional Writing - Certificate
College of Arts and Humanities
Department of Writing and Rhetoric, Colbourn, Room: 301 B
http://writingandrhetoric.cah.ucf.edu
Dr. Blake Scott, bscott@mail.ucf.edu, 407-823-1057

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

Certificate Admission Requirements
Transfer Notes
- Grades lower than a “C” (2.0) GPA will not be accepted for transfer credit.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all appropriate documentation.

Certificate Requirements
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students must earn a minimum of a 2.5 GPA in coursework used to satisfy the certificate.
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- Students should consult with a department advisor.
- Students cannot earn both the Certificate and the Minor in Writing and Rhetoric.

Prerequisite Courses
Prerequisite
- ENC 1102 Composition II 3 hrs

Additional Notes:
- ENC 1102 is a GEP course. It does not count towards the 12 credit hours needed to fulfill the Public and Professional Writing Certificate requirements.

Required Courses (6 hrs)
- Required Core Courses
  - ENC 3331 Rhetoric and Civic Engagement 3 hrs
- Select 1: 3 hrs
  - ENC 3250 Professional Writing
  - ENC 3241 Writing for the Technical Professional
  - ENC 3211 Theory and Practice of Technical Writing
- Restricted Electives (3 hrs)

Public, Professional, and Disciplinary Writing 3 hrs
- Students must take one of the following courses (if ENC 3250 is taken as core requirement, it cannot count as a restricted elective):
  - ENC 3250 Professional Writing 3 hrs
  - ENC 3311 Advanced Expository Writing 3 hrs

Real Estate: Mortgage Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida mortgage broker's license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Required Core Courses
  - REE 4941 Internship 3 hrs
- Select 1: 3 hrs
  - MAR 3391 Professional Selling
  - 1 REE 4941 Internship

Additional Notes:
- Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None
### Real Estate: Real Estate Appraisal - Certificate

**College of Business Administration**  
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101  

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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REE 3043</td>
<td>Fundamentals of Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 REE 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
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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  

*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

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<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4303</td>
<td>Real Estate Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 REE 4941</td>
<td>Internship</td>
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**Restricted Electives**
- None

**Certificate Requirements**
- None

**Other Requirements**
- None

### Security Management - Certificate

**College of Health and Public Affairs**  
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311  
E-mail: cjadvise@mail.ucf.edu  
Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCC 3311</td>
<td>Security Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 3903</td>
<td>Security Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 4843</td>
<td>Risk Management in Criminal Justice/ Private Security</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4644</td>
<td>White Collar Crime</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL A 5937</td>
<td>Seminar in Contemporary Legal Problems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 3444</td>
<td>Crime Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 3277</td>
<td>The Law of Torts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCC 3316</td>
<td>Special Security Problems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4012</td>
<td>Terrorism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- None
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
Service-Learning - Certificate
Office of Undergraduate Studies
Office of Experiential Learning, Ferrell Commons,
Room: 203
http://www.explearning.ucf.edu
A. Zeh, azeh@mail.ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this process. This certificate is open to all undergraduate and graduate students in any major.

Certificate Admission Requirements
■ None
Certificate Requirements
■ None
Prerequisite Courses
■ None
Required Courses

(12 hrs)

4 UCF-approved SL courses
■ Students may choose any four of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.

Restricted Electives
■ None
Foreign Language Requirements
■ None
Total Semester Hours Required
■ 12
Other Requirements
■ Minimum GPA of 2.5 in UCF-approved SL classes.
■ Minimum of 60 community service hours in four (4) UCF-approved SL classes.

Substitute Teaching - Certificate
College of Education
School of Teaching, Learning, and Leadership,
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 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

(9 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. Transfer credits from other universities will be considered.
■ At least 6 hours used in the certificate must be earned at UCF.
■ Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

Teaching English as a Foreign Language - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
Dr. K. Folse, 407-823-4555
Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

Certificate Admission Requirements
■ None
Certificate Requirements

(12 hrs)

Required Courses
■ None
Restricted Electives
■ None
Foreign Language Requirements
■ None
Total Semester Hours Required
■ 12
Other Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ All 12 hours used in the certificate must be earned at UCF within the participating departments.
■ No credit by exam (TSD, Military credit) may be used.
■ Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

Translation and Interpretation - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 505
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

Certificate Admission Requirements
■ None
Prerequisite Courses
■ None
Restricted Electives
■ None
Language and Culture

(3 hrs)

TSL 3346 English as an International Language 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
ANT 3610 Language and Culture 3 hrs
TSL 4363 ESL Classroom Experiences 3 hrs

Foreign Language Requirements
■ None
Total Semester Hours Required
■ 9
Other Requirements
■ No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
■ A minimum GPA of 2.5 in all courses
## Certificates

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (12 hrs)
- SPT 3800 Spanish Translation and Interpretation 3 hrs
- SPT 3805 Spanish Translation and Interpretation for Mass Communication 3 hrs
- SPT 3809 Medical Spanish Translation/Interpretation 3 hrs
- SPT 3831 Spanish Legal Translation and Interpretation 3 hrs

### Restricted Electives (6 hrs)
- SPN 3933 Spanish Across the Curriculum 1 hr
- SPN 4941 Internship 1 hr
- Any upper division SPN or SPT course with advisor’s approval

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the Department.
- No credit by exam (TSD, Military credit) may be used.
- 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 (9 hrs)
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs

#### Restricted Electives (6 hrs)
- Select two of the following:
  - SYP 4521 Crime Victims in Society 3 hrs
  - NUR 4516 Crisis Intervention 3 hrs
  - SOW 4754 Forensic Social Work Theory and Practice 3 hrs
  - CJJ 4664 Juvenile Justice System 3 hrs
  - CJJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
- CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs

#### Foreign Language Requirements
- None

### Total Semester Hours Required
- 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.

### Women’s Studies - Certificate

#### College of Arts and Humanities

#### Program in Women’s Studies, Colbourn Hall, Room: 411

http://womensstudies.cah.ucf.edu

E-mail: womensst@mail.ucf.edu

Dr. M.C. Santana, 407-823-2269
Phone: 407-823-6502

The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

#### Certificate Admission Requirements
- None

#### Certificate Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (3 hrs)
- 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 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.

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UNIVERSITY OF CENTRAL FLORIDA

380 Undergraduate Catalog 2011-2012
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: mmaeugen@ucf.edu
Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Aerospace Engineering major in catalog for GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Aerospace Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses, and senior design courses listed. Independent study courses generally do not satisfy major requirements.

EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (54 hrs)

EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EMA 3706 Structure and Properties of Aerospace Materials 3 hrs

EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3032 Probability and Statistics for Engineers GEP 3 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 4134 High-Speed Aerodynamics 3 hrs
EAS 4200 Flight Structures 3 hrs
EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs

EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EML 4312C Feedback Control 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EAS 4210 Space Structural Dynamics 3 hrs

Select 1: 3 hrs
EAS 3530 Space Systems Concepts or
EAS 4505 Orbital Mechanics 3 hrs

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
- 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: 3 hrs
EAS 4700C Aerospace Design I or
EGN 4412C Interdisciplinary Design I 3 hrs

Select 1: 3 hrs
EAS 4710C Aerospace Design II or
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
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.
- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None
Accelerated Undergraduate-Graduate Programs

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link
- http://www.graduatedeprogram.ucf.edu/content/Courses.aspx

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeps.ucf.edu/aal/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.)

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
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 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)

Select 1:
- Suggested STA 2014C Principles of Statistics or
- Suggested STA 2023 Statistical Methods I

D: Social Foundations
- Suggested PSY 2012 General Psychology

Select 1:
- Suggested ECO 2013 Principles of Macroeconomics or
- Suggested ECO 2023 Principles of Microeconomics or
- Suggested POS 2041 American National Government

E: Science Foundations (7 hrs)
- Prefer BSC 1005 Biological Principles
- Prefer BSC 1005L Biological Principles Laboratory 1 hr

Required PHY 2XXX Physics Course (3 hrs)

2. Common Program Prerequisites (CPP)
- STA 2014C Principles of Statistics GEP
- BSC 1005 Biological Principles GEP
- PSY 2012 General Psychology GEP
- PHY 2XXX Physics Course (GEP)

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (44 hrs)
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- SPA 3112L Basic Phonetics Lab 1 hr
- LIN 3716 Language Development 3 hrs
- SPA 3011 Speech Science I: Production 3 hrs
- SPA 3011L Speech Production Lab 1 hr
- SPA 3104 Neural Bases of Communication 3 hrs
- SPA 3123 Speech Science II: Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 4032 Audiology 3 hrs
- SPA 4321 Audiolingual Rehabilitation 3 hrs
- SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
- DEP 2004C Developmental Psychology 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- LIN 3713 Language Science 3 hrs

Select 1:
- EAB 3703C Principles of Behavior Modification 4 hrs
- EEC 4601 Introduction to Behavior Management or
- EEC 4604 Classroom Management and Guidance of Young Children or
- EDF 3303 Learning Environments and Guidance for Young Children or
- SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs

Statistics Requirement 6 hrs
- Students have two options in completing this requirement:

Option 1: 6 hrs
- STA 2023 Statistical Methods I and
- STA 4163 Statistical Methods II 3 hrs

Option 2:
- STA 2014C Principles of Statistics and
- SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

or
- STA 2023 Statistical Methods I and
- SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

5. Restricted Electives (9 hrs)
- B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college
- B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

6. Capstone Requirements (3 hrs)
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Electives
- Select 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements
- None
Accelerated Undergraduate-Graduate Programs

Computer Engineering - Accelerated Undergraduate-Graduate Program (B.S.P.E. / M.S.P.E.)

College of Engineering and Computer Science Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu

E-mail: eecpe-grad@eecs.ucf.edu
Dr. Ronald DeMara
Diana Ashley
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of the first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Computer Engineering major in the catalog for track GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- Computer Engineering: Basic Core
  - EGN 1007C Engineering Concepts and Methods
  - EGN 1006C Introduction to the Engineering Profession

4. Core Requirements: Advanced Level (54 hrs)
- Courses Required for the Engineering Core
  - EEL 3801C Computer Organization
  - EEL 3004 Electrical Networks
  - EEL 3123C Networks and Systems
  - EEE 3307C Electronics I
  - EEL 4742C Embedded Systems
  - EEL 4805 Computational Systems
  - COP 4331C Processes for Object-Oriented Software

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or
- EGN 3358 Thermo-Fluids-Heat Transfer

5. Core Requirements: Advanced Level

Courses Required for the Major (48 hrs)
- COT 3100C Introduction to Discrete Structures
- COP 3502C Computer Science I
- COP 3503C Computer Science II
- COP 3330 Object Oriented Programming
- COP 4331C Processes for Object-Oriented Software

6. 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
- EEL 4915 Senior Design II
Accelerated Undergraduate-Graduate Programs

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- CEES 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 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 Undergraduate Hours Required
- 128

Total Combined Hours Required
- 152

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Information Technology
- Computer Science
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and
    graduate programs.
  - Undergraduate students taking graduate courses must be within
    nine hours of graduation
  - Undergraduate students taking graduate courses must not register
    for more than a total of twelve hours in that semester
  - Undergraduate students are not eligible to take 6000-level courses

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 level courses of grades B
  (3.0) or better may be counted towards the BS and Masters degrees.
  These 12 credit hours will meet either technical elective or course
  requirements for the major. Contact the EE/CpE Graduate Coordinator in
  the School of Electrical Engineering & Computer Science for acceptable
courses.

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.oecs.ucf.edu/al/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
Department of Electrical Engineering and Computer Science
Harris Corp. Engineering Center, Room: 437
http://www.eecs.ucf.edu
Dr. Hassan Foroosh, foroosh@eecs.ucf.edu
Diane Ashley, eecpe-grad@eecs.ucf.edu
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60
  credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of
  first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be
  interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (39 hrs)
- See Computer Science major in the catalog for the GEP
  requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (17 hrs)
- See Computer Science major in the catalog for the CPP require-
  ments.

3. Core Requirements: Basic Level (25 hrs)
- STA 2023 Statistical Methods I GEP
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- CDA 3103 Computer Logic and Organization 3 hrs
- COT 3100B Introduction to Discrete Structures 3 hrs
- CIS 3360 Security in Computing 3 hrs
- COP 3402 Systems Software 3 hrs
- COT 3960 CS Foundation Exam 0 hrs

4. Core Requirements: Advanced Level (20 hrs)
- A "C" (2.0) or better is required in all courses listed. Students must
  maintain at least a 2.5 GPA in the following courses. Only the highest
  grade is used in the calculation.
  COP 4331C Processes for Object-Oriented Software Development 4 hrs
  EEL 4768C Computer Architecture 4 hrs
  COT 4210 Discrete Structures II 3 hrs
  COP 4020 Programming Languages I 3 hrs
  COP 4690 Operating Systems 3 hrs
  COT 4810 Topics in Computer Science 3 hrs

5. Restricted Electives (15 hrs)
5000 level Computer Science courses 9 hrs
- Must be offered by Computer Science at UCF. At most 3 hours of
  independent study allowed. No internship or cooperative education cred-
  its are allowed. Approved IT courses offered by Computer Science may
  also be used toward this requirement (3 credits).
4000-5000 level mathematics or statistics 6 hrs
- courses from: STA, MAP, MAA, MAD, MAS prefixes and the follow-
  ing courses.
  - No independent study hours, internship, or cooperative education
    hours are allowed.
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Differential Equations 3 hrs
## Accelerated Undergraduate-Graduate Programs

### Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

**College of Engineering and Computer Science**  
**Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439**  
[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

**Dr. Ronald DeMara, demara@eecs.ucf.edu**  
**Diana Ashley, eecpe@eecs.ucf.edu**  
**Phone: 407-823-3327**

### Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of the first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

### Degree Requirements
- None
  
#### 1. UCF General Education Program (GEP)   
  (38 hrs)
- See Electrical Engineering major in the catalog for track specific GEP requirements.

#### 2. Common Program Prerequisites (CPP)   
  (19 hrs)
- See Electrical Engineering major in the catalog for the CPP requirements.

#### 3. Core Requirements: Basic Level   
  (2 hrs)
- **Engineering Core: Basic**
  - EGN 1006C  Introduction to the Engineering Profession: 1 hr
  - EGN 1007C  Introduction to Engineering: 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
  - STA 3032  Probability and Statistics for Engineers: GEP
  - PHY 3101  Physics for Engineers and Scientists III: 3 hrs

#### Select 1:
- **Engineering Core: Advanced**
  - EGN 3321  Engineering Analysis-Dynamics or: 3 hrs
  - EGN 3358  Thermo-Fluids-Heat Transfer: 3 hrs

### Courses Required for the Major
- **Electrical Networks**  
  - EEL 3004  Electrical Networks: 3 hrs
- **Networks and Systems**  
  - EEL 3123C  Networks and Systems: 4 hrs
- **Semiconductor Devices I**  
  - EEE 3350  Semiconductor Devices: 3 hrs
- **Electronics I**  
  - EEE 3307C  Electronics I: 4 hrs
- **Digital Systems**  
  - EEE 3342C  Digital Systems: 3 hrs
- **Electromagnetic Fields**  
  - EEL 3470  Electromagnetic Fields: 3 hrs
- **Analog and Digital Communication Fundamentals**  
  - EEL 3552C  Analog and Digital Communication Fundamentals: 4 hrs
- **Linear Control Systems**  
  - EEL 3657  Linear Control Systems: 3 hrs
- **Computer Organization**  
  - EEL 3801C  Computer Organization: 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

### University of Central Florida

**Accelerated Undergraduate-Graduate Programs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAS 3106</td>
<td>Linear Algebra</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Related Programs
- Computer Engineering
- Information Technology

### Certificates
- None

### Related Minors
- Information Technology
- Intelligent Robotic Systems (IR) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

### Advising Notes
- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Shared Courses
- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

### Graduate Courses Link
- None

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**UNIVERSITY OF CENTRAL FLORIDA**  
**385 Undergraduate Catalog 2011-2012**
Accelerated Undergraduate-Graduate Programs

EEE 4309C  Electronics II  4 hrs
EEL 4750  Digital Signal Processing Fundamentals  3 hrs
EEL 4742C  Embedded Systems  4 hrs

5. Restricted Electives  (10 hrs)
■ Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements  (6 hrs)
EEL 4914  Senior Design I  3 hrs
EEL 4915L  Senior Design II  3 hrs

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
■ None
8. Electives
■ None
9. Additional Requirements
■ None
10. Required Minors
■ None
11. Departmental Exit Requirements
■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 46 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A 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.

Graduate Courses Link
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $45 per term
■ Full-Time Student: $90 per term

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/

E-mail: Graduate program: hisgrad@mail.ucf.edu
E-mail: Undergraduate program: history@mail.ucf.edu
Dr. Rosalind Beiler, 407-823-2225
Phone: 407-823-2225

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
Accelerated Undergraduate-Graduate Programs

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (6 hrs)
   - Select one of the following sequences of courses:
     - EUH 2000 Western Civilization I and EUH 2001 Western Civilization II (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)
   - 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 for 3000- or 4000-level course work

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

Related Courses
- None

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Accelerated Undergraduate-Graduate Programs

Industrial Engineering - Accelerated
Undergraduate-Graduate Program (B.S.)
College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Completion of the GRE with a highly competitive score by the end of the junior year
- Admission is automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - See Industrial Engineering major is the Catalog for track specific GEP requirements.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)
2. Common Program Prerequisites (CPP) (19 hrs)
   - See Industrial Engineering major in the Catalog for the CPP requirements.
   - See “Common Prerequisites” in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (60 hrs)

   Industrial Engineering Core: Basic (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

   EGN 1006C Introduction to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts and Methods 1 hr

   4. Core Requirements: Advanced Level (58 hrs)

   Courses Required for the Major (58 hrs)
   - Graduate courses used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A “C” (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI or STA. A “B” (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.

   1 COP 3223 Introduction to Programming with C 3 hrs
   EGN 3310 Engineering Analysis-Statics 3 hrs
   EGN 3321 Engineering Analysis-Dynamics 3 hrs
   EGN 3373 Principles of Electrical Engineering 3 hrs
   EGN 3613 Engineering Economic Analysis 2 hrs
   2 EIN 5108 The Environment of Technical Organizations 3 hrs
   STA 3032 Probability and Statistics for Engineers GEP
   EIN 3001 Introduction to Industrial Engineering and Management Systems 3 hrs
   EIN 3314 Work Analysis and Design 3 hrs
   EIN 3354 Principles of Cost Engineering 3 hrs
   EIN 4243C Human Engineering 3 hrs
   EIN 4333 Production and Distribution Systems 3 hrs
   EIN 4364 Facilities Planning 3 hrs
   EIN 4391 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
   3 ESI 5306 Operations Research 3 hrs
   4 ESI 5531 Discrete Systems Simulation 3 hrs
   ESI 4623C Industrial Engineering Applications of Computers 3 hrs

   Select 1:
   EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
   EGN 3343 Thermodynamics 3 hrs

   1 Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.
   2 Substitute for EGN 4624
   3 Substitute for ESI 4312
   4 Substitute for ESI 4523C

5. Restricted Electives (4 hrs)
   - Three (3) hours of technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
   - None

7. Foreign Language Requirements

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

   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 4891C Industrial Engineering Senior Design Project 3 hrs

12. University Minimum Exit Requirements

   A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

   Total Undergraduate Hours Required
   - 128

   Total Combined Hours Required
   - 146

   Honors In Major
   - None

   Related Programs
   - None

   Certificates
   - None

   Related Minors
   - None

   Advising Notes
   - The following will be waived for this joint degree program:
     - The limit of nine hours to be shared between undergraduate and graduate programs.
     - Undergraduate students taking graduate courses must be within nine hours of graduation
     - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
     - Undergraduate students are not eligible to take 6000-level courses

   Transfer Notes
   - None

   Acceptable Substitutes for Transfer Courses
   - None
Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu

Dr. Alan Kassab, alan.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Mechanical Engineering in the Catalog for track specific GEP requirements

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (15 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Mechanical Engineering 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 (63 hrs)
- EGN 1030 Introduction to Thermodynamics
- EGN 3201 Engineering Analysis-Statics
- EGN 3302 Thermodynamics
- EGN 3303 Structure and Properties of Materials
- EGN 3304 Principles of Electrical Engineering
- STA 3032 Probability and Statistics for Engineers
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering
- EML 3701 Fluid Mechanics I
- EML 4141 Heat Transfer
- EML 4142 Vibration Analysis
- EML 4535C CAD/CAM
- EML 4502C Engineering Design II
- EML 4501C Engineering Design I
- EML 4304C Design of Thermo-Fluid Experiment and Techniques
- EML 4221C Mechanical Systems Experimental Techniques and Approved Electives (5000 level course)

5. Restricted Electives
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- None

Graduation
- None

Electives
- None

Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements (6 hrs)
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:
- EML 4501C Engineering Design I or
- EGN 4412C Interdisciplinary Design I

Select 2:
- EML 4502C Engineering Design II or
- EGN 4413C Interdisciplinary Design II

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
- Total Undergraduate Hours Required
- 128
Accelerated Undergraduate-Graduate Programs

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 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.

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

Graduate Courses Link
- http://www.graduatecatalog.ucf.edu/content/Courses.aspx

Career and Academic Advising
- Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

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.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Nursing - Accelerated Second Degree B.S.N. Option
(B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Patricia Leli, Undergraduate Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university. Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program.
- Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu.
- Application to the university must also be submitted by the program application deadline.
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.
- Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar’s Office. These students complete the “Readmission Application” form.
- Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
- All applicants must have a minimum overall GPA of 3.0.
- Applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline. This includes 3 courses from Group A and the remainder from Groups A or B.

Group A
- grade of C (2.0) or better
  - Microbiology with Lab 4 hrs
  - Anatomy with Lab 4 hrs
  - Physiology with Lab (or A&P I, II) 4 hrs
  - CHM 1032 General Chemistry 3 hrs
  - 1 or other approved Life/Physical Science

Group B
- grade of C (2.0) or better
  - Sociology or Psychology 3 hrs
  - Developmental Psychology 3 hrs
  - Human Nutrition 3 hrs
  - Statistics 3 hrs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
- UCF Residency requirement: 30 hours (if applicable)
1. UCF General Education Program (GEP)
A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations
2. Common Program Prerequisites (CPP) (27 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.
  1 MCB Microbiology for Health Professionals 4 hrs
  2 CHM 1032 General Chemistry 3 hrs
  1 ZOO Human Anatomy 4 hrs
  3733C

UNIVERSITY OF CENTRAL FLORIDA

390 Undergraduate Catalog 2011-2012
1. PCB 3703C Human Physiology 4 hrs
2. HUN 3011 Human Nutrition 3 hrs

Select 1: 3 hrs
1. STA 2044 Principles of Statistics or
2. STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
1. SOW 3104 Assessing I: Human Development or
2. DEP 2004C Developmental Psychology 3 hrs

Select 1: 3 hrs
1. PSY 2012 General Psychology or
2. SYG 2000 Introduction to Sociology 3 hrs

1. Any variation from the following must be approved by the College of Nursing.
2. Mandatory Drug Screening is required prior to any clinical course and "on demand" for continuation in the program.
3. Students without a research course on transcript must take NUR 3165

4. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (57 hrs)
   - Any variation from the following must be approved by the College of Nursing.

   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assessment Lab 1 hr
   - NUR 3082 The Role of the Professional Nurse 2 hrs
   - NUR 3028 Essentials of Nursing Practice 2 hrs
   - NUR 3028L Essentials of Nursing Practice Lab 1 hr
   - NUR 3755 Essentials of Nursing Practice Clinical 2 hrs
   - NUR 3934 Community Health Nursing 3 hrs
   - NUR 3034 Community Health Nursing Clinical 2 hrs
   - NUR 3125 Pathophysiology for Nursing Practice 3 hrs
   - NUR 3145 Pharmacology for Nursing Practice 3 hrs
   - NUR 3225 Nursing Care of the Adult I 3 hrs
   - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
   - NUR 3445 Nursing Care of Families 3 hrs
   - NUR 3445L Nursing Care of Families Clinical 2 hrs
   - NUR 3165 Accelerated Nursing Research Seminar 1 hr
   - NUR 4227 Nursing Care of the Adult II 4 hrs
   - NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
   - NUR 4829 Accelerated Transitioning into Professional Practice as a Leader 3 hrs
   - NUR 4257 Introduction to Critical Care Nursing 3 hrs
   - NUR 4945L Nursing Practicum 4 hrs
   - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
   - NUR 4535L Psychiatric Mental Health Clinical 2 hrs
   - NUR 4637 Public Health Nursing 2 hrs
   - NUR 4637L Public Health Nursing Clinical 1 hr

1. Students without a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives (3 hrs)
   - Students may petition the undergraduate Admission, Progression, and Graduation (APG) committee to substitute elective requirement

6. Capstone Requirements
   - None

7. Foreign Language Requirements

   Admissions
   - None

   Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - None

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A 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
   - 57

Honors in Major
   - University Honors and Honors in the Major Available
   - Open to students with a minimum 3.5 GPA in Nursing.
   - Completion of a three credit directed readings course.
   - Completion of a three credit thesis course.
   - Must earn a minimum cumulative UCF 3.2 GPA.
   - Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
   - Health Services Administration
   - Social Work

Certificates
   - None

Related Minors
   - Aging Studies
   - Psychology
   - Health Sciences
   - Health Services Administration

Advising Notes
   - None

Transfer Notes
   - 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 2044 or 2023)
   - General Chemistry (CHM 1032 or any other approved chemistry course (3 hrs) or physical or life science course (3 hrs)
   - Human Anatomy and Physiology I & II w/lab (BSC 2093/2094 or BSC X085/X086). This is a biological science prerequisite. (6-8 hrs)
   - General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
   - Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span (3 hrs)
   - Human Nutrition with Therapeutic Nutrition (3 hrs)

Acceptable Substitutes for Transfer Courses
   - None

Shared Courses
   - None

Graduate Courses Link
   - None

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
     http://www.oeps.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
   - Part-Time Student: $25 per term
   - Full-Time Student: $50 per term
Nursing - R.N. to M.S.N. Option (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu

Stephen Heglund, RN to MSN Coordinator
Dr. Jean Leuner, Dean
Dr. Linda Henning, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program for students who hold an RN license and meet general education requirements, nursing pre-requisites, and required GPA. All courses are available online. Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nurse Educator. Nine (9) graduate credit hours may be applied to meet requirements of both BSN and MSN programs.

Admission Requirements
- Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at http://www.nursing.ucf.edu for application materials.

All applicants must meet the following criteria:
- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida community or state college, including CLAS (or exempt)
- Completion of prerequisites for the RN to BSN nursing program
- Minimum cumulative GPA of 3.0. (all prior college coursework)
- Admitted to UCF undergraduate program
- Two professional references addressing qualifications and ability to succeed in graduate school
- Resume
- Letter of Intent/Goal statement

Interim Requirements:
- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Program Phase:
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies website for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- 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)

A: Communication Foundations

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations

Required MAC 1105C College Algebra 3 hrs
Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations

Required STA 2014C Principles of Statistics 3 hrs

D: Social Foundations

Required STA 2014C Principles of Statistics 3 hrs

E: Science Foundations

Required CHM 1032 General Chemistry 4 hrs
Required ZOO 3733C Human Anatomy 4 hrs
Required HUN 3011 Human Nutrition 3 hrs

Select 1:
- 1 STA 2014C Principles of Statistics or GEP
- 1 STA 2023 Statistical Methods I GEP
- 1 ECO 2023 Principles of Microeconomics GEP

Select 1:
- 1 SYG 2000 Introduction to Sociology or GEP
- 2 PCB 3703C Human Physiology 4 hrs

Select 1:
- 1 STA 2014C Principles of Statistics or GEP
- 1 CHM 1032 General Chemistry 4 hrs

Select 1:
- 1 MCB 2004C Microbiology for Health Professionals 4 hrs
- 1 or other physical or life science. Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is needed as a course prerequisite for Nutrition (HUN 3011)

2. Common Program Prerequisites (CPP)

392
NURSING LEADERSHIP & MANAGEMENT TRACK  12 hrs
- Takes the following 12 credits (nine graduate credits also applied to MSN)
- NGR 5720 Organizational Dynamics and 3 hrs
- NGR 5871 Health Care Informatics and 3 hrs
- NGR 5800 Theory for Advanced Practice Nursing and 3 hrs
- NUR 3065 Health Assessment and 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

5. Restricted Electives
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

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).
Graduation
- None

8. Electives
- Variable to meet degree requirements.

9. Additional Requirements
- A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “B” (3.0) or better
- Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 120

Honors In Major
- None

Related Programs
- Health Services Administration

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 credit hours of Nursing Curriculum may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/ac/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term


STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

The University offers five specialized degree programs for students who have graduated from a Florida public community college with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the 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 college or state college.
2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 community college A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.
3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.
4. Students should 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 earning an Associate in Science have the option of completing the state approved general education program at a Florida community college or state college or state university and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.

6. Students with an Associate in Applied Science (A.A.S.) degree are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access program in Nursing or programs that require specific grades in particular courses for admission.

Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites. Students are still required to complete all of the components of the Gordon Rule and CLAS prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. To earn a bachelor’s degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Director of Advising (407) 823-1509, or the Director of Transfer and Transition Services, (407) 823-2231.

Applied Science (BAS) 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, Regional Campus Advising, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making. Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who 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.

Admission Requirements
- Completion of an A.S. degree from a Florida public community college which included at least 15 hours of transferrable 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. Core Requirements: Basic Level (10 hrs)
   - None
   - Select 1:
     BUL 3130  Legal and Ethical Environment of Business 4 hrs
     PLA 3014  Law and the Legal System 3 hrs
   - Select 2:
     ENC 3241  Writing for the Technical Professional 3 hrs
     ENC 3260  Professional Writing 3 hrs

3. Restricted Electives
   - Area of Concentration (Choose one)
   - All tracks are not available at all locations.

4. Core Requirements: Advanced Level
   - None

5. Restricted Electives
   - Area of Concentration (Choose one)
   - All tracks are not available at all locations.
### Industrial Operations Track
- Students are strongly urged to complete STA 2023 within the general education program.

#### Take all of the following: 21 hrs
- ETI 3116 Applied Engineering Quality Assurance and 3 hrs
- ETI 3671 Technical Economic Analysis and 3 hrs
- ETI 4186 Applied Reliability and 3 hrs
- ETI 4638 Technical Administration and 3 hrs
- ETI 4640 Operations Management for Technologists and 3 hrs
- ETI 4448 Applied Project Management and 3 hrs
- CET 3010 Introduction to Information Technology 3 hrs

### Criminal Justice Track
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs

#### Select 2: 6 hrs
- CJL 3510 Prosecution and Adjudication or 3 hrs
- CJC 3010 Corrections and Penology or 3 hrs
- CJE 4014 Police and Society 3 hrs
- Six additional hours of CCJ, CJC, CJJE, CJL, or CJT courses, selected with the aid of an academic advisor 6 hrs

### Legal Studies Track
- PLA 3014 Law and the Legal System and 3 hrs
- PLA 3018 Legal Research 3 hrs

#### Select 4: 12 hrs
- PLA 3155 Legal Writing or 3 hrs
- PLA 3205 Civil Practice and Procedure or 3 hrs
- PLA 3277 The Law of Torts or 3 hrs
- PLA 3309 Criminal Procedure or 3 hrs
- PLA 4424 The Law of Contracts or 3 hrs
- PLA 4703 Professional Ethics and Liability 3 hrs

### Health Services Administration
- Take all of the following: 18 hrs
- 1 HSA 3111 U.S. Health Care Systems and 3 hrs
- HSA 4180 Organization & Management for Health Agencies I and 3 hrs
- 2 HSA 4191 Health Care Automation and 3 hrs
- 3 HSC 4500 Epidemiology 3 hrs

#### Select 1: 3 hrs
- HSC 4652 Health Law and Ethics or 3 hrs
- HSA 4109 Principles of Managed Care or 3 hrs
- HSA 4502 Management Systems or 3 hrs
- HSA 4702 Health Sciences Research Methods or 3 hrs
- HIM 4508C Quality Management 3 hrs

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
- Take all of the following: 21 hrs
- 1 CET 3383 Applied Systems Analysis I and 3 hrs
- 1 CET 4427 Applied Database I and 3 hrs
- ETI 4448 Applied Project Management and 3 hrs
- CET 4748 Wide Area Networks I and 3 hrs
- CET 4749 Wide Area Networks II and 3 hrs
- 2 CET 4683 Computer and Network Security and 3 hrs
- 1 CET 4483 Intro to Local Area Network Technology 3 hrs

1 PR: Object oriented programming course with COP prefix or equivalent or C.I.
2 PR: CET 4483, and MAC 1105

### Early Childhood Education Track
- Take all of the following: 21 hrs
- EEC 3700 Social and Emotional Development of Young Children and 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood and 3 hrs
- 1 EEC 4604 Classroom Management and Guidance of Young Children and
- EEX 4751 Parent Involvement in Education and 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- Students in Schools and 3 hrs

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

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- None

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- None

### Advising Notes
- None

### Transfer Notes
- Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.
- Courses taken at community colleges do not substitute for upper division courses.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.
Statewide Articulated A.S. To B.S. Programs

- 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.M.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311
http://www.cooha.ucf.edu/crim.jus/
E-mail: cjadvise@mail.ucf.edu
Mary Ann Eastep
Phone: 407-823-2603

A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public community college which is composed of 64 hours of course work, including at least 16 hours of transferable general education courses.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida community college.
- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
- Students will complete 16 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP)
- Completed as part of the approved A.S. program.
- See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (18 hrs)
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 4014 Crime in America 3 hrs
   - CJL 3510 Prosecution and Adjudication 3 hrs
   - CCJ 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 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
   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

Honors In Major
- None

Related Programs
- Legal Studies
- Psychology

Certificates
- None

Related Programs
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

General Business - A.S. to B.S. Track (B.S.B.A.)
College of Business Administration
Department of Management, Business Administration
II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184

Completion program only for individuals who have statewide articulated A.S. from a Florida public community college.
Admission Requirements
- Completion of a Statewide Articulated A.S. in Business
- Administration from a Florida public community college which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

Degree Requirements
- Must complete all Gordon Rule 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:

A: Communication Foundations
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations
- None

C: Mathematical Foundations
- None

D: Social Foundations
- None

E: Science Foundations
- None

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select one of the following sequences of courses:
- Students must complete both MAC 2233 and STA 2023 with a “C” (2.0) or better to be waived from ECO 3401.

ECO 3401 Quantitative Business Tools I 3 hrs
or
MAC 2233 Concepts of Calculus and
STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 hrs)
- First of subsequent semester in the College of Business 32 hrs Administration:

BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEA 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs
MAR 3203 Supply Chain Management 4 hrs
1 Required in 1st or 2nd semester.
2 Must be taken with GEB 3031

5. Restricted Electives (15 hrs)
- Students must take at least one course from each of the following areas. These five courses are restricted to the courses listed below.
- At least two of the following courses must be at the 4000 level.

Finance
- FIN 3303 Financial Markets or 3 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3504 Investment Analysis 3 hrs

Management
- GEB 3113 How to Start a Business or 3 hrs
- GEB 4435 Moral Foundations of Business or 3 hrs
- MAN 3301 Management of Human Resources or 3 hrs
- MAN 4240 Organizations: Theory and Behavior or 3 hrs
- MAN 4441 Conflict Resolution and Negotiation 3 hrs

Marketing
- MAR 3403 Sales Force Management or 3 hrs
- MAR 3613 Marketing Analysis and Research or 3 hrs
- MAR 4156 International Marketing or 3 hrs
- MAR 4841 Services Marketing 3 hrs

Economics
- ECO 4703 is required. ECP 3203 and ECP 3223 are restricted electives only. With permission of an Economics advisor, any other 300 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. This substitution must be petitioned and have written approval.
- ECO 3223 Money and Banking and 3 hrs
- ECP 3203 Labor Economics and 3 hrs
- ECP 4703 Managerial Economics 3 hrs

A.S. Transfer Courses
- Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs
- This course is taken in the graduating term and requires the following prerequisites:
- FIN 3403C Business Finance 4 hrs
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
1 Required in 1st or 2nd semester.
2 Must be taken with GEB 3031

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- 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 132
Statewide Articulated A.S. To B.S. Programs

1. UCF General Education Program (GEP) (18 hrs)
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
     A: Communication Foundations
     B: Cultural & Historical Foundations
     C: Mathematical Foundations
     D: Social Foundations
     E: Science Foundations

2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - HFT 1000 Introduction to the Hospitality and Tourism Industry

3. Core Requirements: Basic Level (3 hrs)
   - MAC 1105C College Algebra

Select 1:
- CGS 2100C Computer Fundamentals for Business or GEP
- STA 2023 Statistical Methods I GEP

Select 1:
- ECO 2013 Principles of Macroeconomics or GEP
- ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (27 hrs)

   Hospitality Management Core
   - HFT 3500 Hospitality Management or
   - HFT 3263 Restaurant Management or
   - HFT 3273 Principles of Resort Timesharing or
   - HFT 4755 Theme Park and Attraction Management or
   - HFT 4277 Yacht, Country, And City Club Management

Guest Lecture
- 1 HFT 3933 Distinguished Lectures in Hospitality Management

5. Restricted Electives (15 hrs)

   Students should select one of the following options to fulfill their hospitality management restricted elective requirement.

   Restricted Electives
   - FSS 3008 Culture and Cuisine
   - FSS 4135 Corporate Contract and Managed Services Organizations
   - FSS 4266C Catering and Banquet Organization
   - HFT 3353 Golf Planning & Operations I
   - HFT 3354 Agronomy for Golf Course Management
   - HFT 3355 Golf Planning & Operations II
   - HFT 3357 Golf & Club Event Operations
   - HFT 3384 Agronomy for Golf Course Management
   - HFT 3654 Franchising in the Restaurant Industry
   - HFT 3741 Meeting Management
   - HFT 3798 Fairs and Festivals
   - HFT 3868 History and Culture of Wine
   - HFT 4253 Hotel Operations
   - HFT 4266 Restaurant Brand Management
   - HFT 4268 Case Studies in Restaurant Management
   - HFT 4274 Resort Management
   - HFT 4281 Restaurant Leadership Strategies and Tactics
   - HFT 4343 Hospitality Facilities Planning and Design
   - HFT 4358 Golf & Club Facility Design
   - HFT 4432 Hospitality Industry Auditing
   - HFT 4473 Hotel Development Analysis

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 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
Statewide Articulated A.S. To B.S. Programs

Nursing - A.S. to B.S.N. Track (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu

Dr. Jean Leuner, Dean
Dr. Linda Henning, Associate Dean
Stephen Heglund, RN-BSN Coordinator
Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college (12/2000 or later)

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
  - A minimum overall undergraduate GPA of 2.5
  - Completion of a Statewide Articulated AS in Nursing from a Florida public community or state college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida public community or state college should follow section "B" - RN to BSN Program
  - Current RN License or license eligible

Full-Time Student: $75 per term
Part-Time Student: $37.50 per term

HFT 4522 Resort Sales Tactics and Strategies 3 hrs
HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
HFT 4561 Destination Marketing 3 hrs
HFT 4614 Risk Management in Theme Parks and Attractions 3 hrs
HFT 4735 Tourism Geography 3 hrs
HFT 4736 Destination Management 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
HFT 4762 Current Practices in the Airline Industry 3 hrs
HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry 3 hrs
HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 4796 International Events 3 hrs
HFT 4864 Seminar in Quality Brewing and Fine Beer 3 hrs
HFT 4866C Exploring Wines of the World 3 hrs
HFT 4894 International Gastronomy 3 hrs
HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

Specialized Tracks 15 hrs
- Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

Theme Park and Attraction Mgmt Track 15 hrs
HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry or Product Development in Theme Parks and Attractions or 3 hrs
HFT 4759 Entertainment Arts and Events or 3 hrs
HFT 4614 Risk Management in Theme Parks and Attractions or 3 hrs
HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry or 3 hrs
HFT 4787 Operational Issues in the Theme Park and Attraction Industry or 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs

Golf and Club Management Track 15 hrs
HFT 3353 Golf Planning & Operations I or 3 hrs
HFT 3354 Agronomy for Golf Course Management or 3 hrs
HFT 3355 Golf Planning & Operations II or 3 hrs
HFT 3357 Golf & Club Event Operations or 3 hrs
HFT 3384 Golf and Club Enterprises Management or 3 hrs
HFT 4358 Golf & Club Facility Design 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Grades of "C-" (1.75) or below do not transfer into the Hospitality Management core or restricted electives.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from course. This does not remove the student's responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Exam Week only.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 124

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Florida public community college students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs

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: $37.50 per term
- Full-Time Student: $75 per term
Statewide Articulated A.S. To B.S. Programs

Degree Requirements

- Completion of all common program prerequisite courses with at least a grade of "C" (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida community or state college or other universities and should usually be completed in the first 60 hours
- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program
- UCF Residency Requirement: 32 hours

1. UCF General Education Program (GEP) (36 hrs)
- Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college should complete those courses prior to their last 30 hours at UCF.

A: Communication Foundations (9 hrs)
- Required: ENC 1101 Composition I 3 hrs
- Required: ENC 1102 Composition II 3 hrs
- Required: SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Preferred: MAC 1105C College Algebra 3 hrs
- Required: STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
- Required: PSY 2012 General Psychology 3 hrs

D: Social Foundations (6 hrs)
- Required: SYG 2000 Introduction to Sociology 3 hrs
- Required: SOW 2010C Biology I 4 hrs
- Required: CHM 1032 General Chemistry 3 hrs

E: Science Foundations (7 hrs)
- Required: MCB 2004C Microbiology for Health Professionals 4 hrs
- Required: PCB 3703C Human Physiology 4 hrs
- Required: ZOO 3733C Human Anatomy 4 hrs

Select 1:
- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
- SYG 2000 Introduction to Sociology

Select 2:
- PSY 2012 General Psychology or CHM 1032 General Chemistry
- SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology 3 hrs

Select 1:
- PSY 2012 General Psychology or CHM 1032 General Chemistry
- SYG 2000 Introduction to Sociology

Select 2:
- SYG 2000 Introduction to Sociology

Select 1:
- CHM 1032 General Chemistry
- HUN 2011 Human Nutrition 3 hrs
- MCB 2004C Microbiology for Health Professionals 4 hrs
- PCB 3703C Human Physiology 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

Select 1:
- SOW 3104 Assessing I: Human Development
- DEP 2004C Developmental Psychology 3 hrs

Select 1:
- PSY 2012 General Psychology or CHM 1032 General Chemistry
- SYG 2000 Introduction to Sociology

Select 2:
- PSY 2012 General Psychology or CHM 1032 General Chemistry
- SYG 2000 Introduction to Sociology

5. Restricted Electives (6 hrs)
- Any two upper division nursing electives

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

Graduation
- None

8. Electives
- Variable to meet degree requirements

9. Additional Requirements
- A criminal background check and mandatory Drug Screening are required prior to any clinical course and "on demand" for continuation in the program.
- Complete all courses in major with at least a "C" (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

Progression Requirements:
- Prior to NUR 3805: RN status or eligible to take NCLEX.
- Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.

Prior to NUR 3634 Community Health Nursing: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida Community or State College or University (SUS); 3) complete Nursing prerequisites; 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
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (30 hrs)
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
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 the course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code</th>
<th>Century Digit</th>
<th>Decade Digit</th>
<th>Unit Digit</th>
<th>Lab Code</th>
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<td>ENC</td>
<td>1</td>
<td>1</td>
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<td>1</td>
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</table>

English Composition

Lower (Freshman) Level at this institution

Freshman Composition

Freshman Composition Skills

Freshman Composition Skills I

No Laboratory component in this course

University of Central Florida

402 Undergraduate Catalog 2011-2012
### Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

**A. Courses not offered by the receiving institution.**

**B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.**

**C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Thesis and Dissertations.**

**D. College preparatory and vocational preparatory courses.**

**E. Graduate courses.**

**F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.**

**G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (i.e., portfolio, audition, interview, etc.).**

### Courses at Nonregionally Accredited Institutions

The 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 non-public 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 the 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>Code</th>
<th>Course Description</th>
<th>Code</th>
<th>Course Description</th>
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<tbody>
<tr>
<td>ABE</td>
<td>Agricultural and Biological Engineering</td>
<td>CCE</td>
<td>Civil Construction Engineering</td>
</tr>
<tr>
<td>ABT</td>
<td>Arabic Culture in Translation or Translation Skills</td>
<td>CCJ</td>
<td>Criminal Justice and Criminal Procedure</td>
</tr>
<tr>
<td>ABW</td>
<td>Arabic Literature (Writings)</td>
<td>CDA</td>
<td>Computer Design/Architecture</td>
</tr>
<tr>
<td>ACG</td>
<td>Accounting: General</td>
<td>CEG</td>
<td>Civil Geotechnical Engineering</td>
</tr>
<tr>
<td>ACO</td>
<td>Accounting: Occupational/Technical Variable Paced</td>
<td>CEN</td>
<td>Computer Software Engineering</td>
</tr>
<tr>
<td>ACR</td>
<td>HVACR, Heating/Ventilation/Auto Refrigeration: Technology</td>
<td>CES</td>
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*Undergraduate Catalog 2011-2012*
### Common Course Numbering System

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<tr>
<th>Code</th>
<th>Description</th>
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**Undergraduate Catalog 2011-2012**
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

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, Practicum, Clinical Prac 3940, 4941, 5944
Cooperative Education 1949, 2949, 3949, 4949, 5949
Honors Directed Reading1 4903H
Honors Directed Reading2 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, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

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<tr>
<th>College/School</th>
<th>Department</th>
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<tr>
<td>BA</td>
<td>Accounting</td>
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UCF Courses and Descriptions

Finding a Course in this List: The UCF courses in this section are listed alphabetically by prefix. Consult the “Common Course Numbering System” section of the Undergraduate Catalog for additional information.

Availability of Courses: The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at https://my.ucf.edu for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

AGG 4651 BA-ACCT 3(3,0) Principles of Accounting: 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.

AGG 4671 BA-ACCT 3(3,0) Internal Auditing: PR: Accounting major or minor, ACG 3131 or ACG 3361. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

AGG 4803 BA-ACCT 3(3,0) Contemporary Issues in Accounting: PR: ACG 3141, ACG 3361, ACG 4401C, TAX 4001. A study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. Fall, Spring.

ADV 3008 COS-COMM 3(3,0) Principles of Advertising: PR: SPC 1608, or SPC 1606. An introductory study of advertising in terms of planning, creative strategies, audience analysis, media planning, sales, and operations. Fall, Spring.

ADV 4101 COS-COMM 3(3,0) Advertising Copywriting: PR: ACG 3131 or ACG 3141 and ACG 3161. A study of the development of creative strategies for advertising and the writing of print advertisements. Fall, Spring.

ADV 4103 COS-COMM 3(3,0) Radio-Television Advertising: PR: R-TV or AD-PR Majors only and ADV 3008 and PUR 4000. A study of the development of creative strategies for advertising and the writing of advertising copy. Fall, Spring.

ADV 4300 COS-COMM 3(3,0) Advertising Media Planning: PR: ADV 3008 and AD-PR major. Media planning and buying, including basic visual 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 3371 CAH-AAS 3(3,0) Evolution of Hip Hop: PR: AFA 3104 or C.I. An historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. Occasional.
UCF Courses and Descriptions

ANG 5301 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 5307 COS-ANTHRO 3(3,0)
Peoples and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonization, traditional peoples, social change, and modernization. Occasional.

ANG 5341 COS-ANTHRO 3(3,0)
Caribbean Cultures: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Historical and contemporary overview of the societies and cultures of the Caribbean region, including effects of colonization by the Dutch, Spanish, British, and French. Occasional.

ANG 5486 COS-ANTHRO 3(3,0)
Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. Odd Fall.

ANG 5531 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: One course in Social Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANG 5620 COS-ANTHRO 3(3,0)
Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language is an integral part of human culture and behavior, focusing on cross cultural issues that affect cultural competency. Spring.

ANG 5622 COS-ANTHRO 3(3,0)
Language, Culture and Pedagogy: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Linguistic and cultural issues in the learning needs of students from culturally diverse populations. Occasional.

ANG 5738 COS-ANTHRO 3(3,0)
Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological method and theory during primary infilled research in the Maya area. Spring.

ANG 5742 COS-ANTHRO 3(3,0)
Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Occasional.

ANG 5822 COS-ANTHRO 3(3,0)
Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary infilled research in the Maya area. Spring.

ANT 2000 COS-ANTHRO 3(3,0)
General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.

ANT 2000H COS-ANTHRO 3(3,0)

ANT 2140 COS-ANTHRO 3(3,0)
Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3,0)
Cultural Anthropology: An introduction to human diversity as examined among various cultures and ethnic groups. Fall, Spring.

ANT 2511I COS-ANTHRO 3(3,0)
The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.

ANT 2511H COS-ANTHRO 3(3,0)

ANT 3106 COS-ANTHRO 3(3,0)
Archaeology and Popular Culture: PR: ANT 2000 or C.I. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

ANT 3115 COS-ANTHRO 3(3,0)
Archaeological Method and Theory: PR: or CR: ANT 2000 or ANT 2140 or C.I. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Even Fall.

ANT 3142 COS-ANTHRO 3(3,0)
Old World Prehistory: PR: or CR: ANT 2000 or ANT 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.

ANT 3145 COS-ANTHRO 3(3,0)
Archaeology of Complex Societies: PR: ANT 2140 or C.I. An introduction to prehistoric archaeology on ancient hierarchical power. Fall.

ANT 3148 COS-ANTHRO 3(3,0)
Life and Death in Ancient Egypt: PR: Any 2000 level Anthropology course. Use of archaeology and physical anthropology to examine the lives and deaths of both common citizens and royals in Ancient Egypt (3000 BCE-AD 600). Occasional.

ANT 3152 COS-ANTHRO 3(3,0)

ANT 3158 COS-ANTHRO 3(3,0)
Florida Archaeology: PR: ANT 2000 or ANT 2140 or C.I. Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, and artifacts. Occasional.

ANT 3160 COS-ANTHRO 3(3,0)
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 cultures. Occasional.

ANT 3161 COS-ANTHRO 3(3,0)
Archaeology of Mexico: PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotecs, Aztec) as well as lesser known archaeological cultures. Occasional.

ANT 3163 COS-ANTHRO 3(3,0)
Mesoamerican Archaeology: PR: or CR: ANT 2000 or ANT 2140 or C.I. An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Occasional.

ANT 3164 COS-ANTHRO 3(3,0)
Ancient Incas: PR: ANT 2000 or SYG 2000 or ANT 2140 or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnographic, historical, and contemporary anthropological sources. Occasional.

ANT 3165 COS-ANTHRO 3(3,0)
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.

ANT 3168 COS-ANTHRO 3(3,0)
Maya Archaeology: PR: or CR: ANT 2000 or ANT 2140 or C.I. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 3173 COS-ANTHRO 3(3,0)
Archaeology of Sex: PR: ANT 2000 or C.I. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an archaeological perspective. Occasional.

ANT 3177 COS-ANTHRO 3(3,0)

ANT 3212 COS-ANTHRO 3(3,0)
Peoples of the World Beyond: PR: ANT 2000 or ANT 2140 or C.I. A comparative study of religion, family, politics, philosophy, and other elements of socio-cultural organization of pre-literate societies. Fall, Spring.

ANT 3241 COS-ANTHRO 3(3,0)
Magic, Ritual, and Belief: PR: or CR: ANT 2000 or ANT 2410 or C.I. Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. Fall, Spring.

ANT 3245 COS-ANTHRO 3(3,0)
Native American Religions: PR: ANT 2000 or ANT 2410 or C.I. The religious beliefs of native New World peoples. Occasional.

ANT 3263 COS-ANTHRO 3(3,0)

ANT 3273 COS-ANTHRO 3(3,0)
Law and Culture: PR: or CR: ANT 2000 or C.I. An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.

ANT 3302 COS-ANTHRO 3(3,0)
Sex, Gender and Culture: PR: or CR: ANT 2000 or ANT 2511 or C.I. The traditional and changing roles of women and men viewed in a cross-cultural perspective. Fall, Spring.

ANT 3311 COS-ANTHRO 3(3,0)

ANT 3312 COS-ANTHRO 3(3,0)

ANT 3313 COS-ANTHRO 3(3,0)

ANT 3314 COS-ANTHRO 3(3,0)
Indians of the Northeast Woodlands: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history, and culture of Native Americans of the Northeastern United States. Occasional.

ANT 3319 COS-ANTHRO 3(3,0)
Archaeology of Diaspora: PR: ANT 2000 or ANT 2410 or C.I. Comparative study of socioeconomic constructions of race and the processes of acculturation and resistance in African Diasporas of the New and Old Worlds. Occasional.

ANT 3330 COS-ANTHRO 3(3,0)
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 ANT 2140 or C.I. Ethnographic study of the peoples of Vietnam, Cambodia, Laos and Thailand from the anthropological perspective. Occasional.


American Indian Literature and Culture in Florida: PR: ENG 1102 Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through oral tales and legends, treaties, archival sources. Occasional.


Biobehavioral Anthropology: PR: or CR: ANT 2000 or ANT 2141 or C.I. An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. Spring.

Primatology: PR: ANT 2511 or C.I. Study of species from the Order Primates, including their morphology, ecol- ogy, behavior, and geographic distribution. Occasional.

Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior; language and perception. Spring.


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 occupa- tion in the New World e.g., the Folsom, Clovis, Sandia etc. to the time of contact with European cultures. Occasional.

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.

Seminar in Laboratory Analysis: PR: or CR: ANT 2000 or ANT 2140 or C.I. The processing of archaeological finds from excavation through publication. May be repeated for credit. Spring.

Archaeological Sciences: PR: ANT 2511, or ANT 2140, or C.I. Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

Mortuary Archaeology: PR: ANT 2000, or ANT 2140, or C.I. Archaeological interpretations of death; basic data collection, skeletal analysis, and compara- tive study of mortuary ritual - both ancient and modern. Occasional.


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.

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 anthropo- logical approach, both theoretical and practical, with special attention to women’s lives. Occasional.

People and Cultures of Latin America: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. History and society of the peoples of Latin America, emphasizing patterns of sub- sistence and social organization. Odd Fall, Spring.


African Societies and Cultures: PR: ANT 2000 or SYG 2000 or C.I. Anthropological survey of Africa examining the evolution of its cultures, and economic diversity of the continent over time. Occasional.


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.

Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. Occasional.

Nutritional Anthropology: PR: One 2000 level course in social sciences and 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.

Human Biological Diversity: PR: ANT 2511 or BSC 2100C, or C.I. Human biological variation and adaptation. Occasional.

Forensic Anthropology: PR: ANT 2511 or C.I. The study of human skeletal remains in relation to a legal context. Occasional.

Human Osteology: PR: ANT 2511. The scientific study of the human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall.

Advanced Forensic Anthropology: PR: ANT 4521C. Advanced laboratory methods in forensic anthropol- ogy, including skeletal analysis, and the application of archaeological techniques to the recovery of human remains. Even Spring.

Anthropological Perspectives on Human Growth: PR: ANT 2000 or ANT 2511 or C.I. Evolutionary, ecological, historical and cultural perspectives on human growth, maturation, and aging. Odd Fall.


Culture, Power and Development: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. Occasional.


Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.


Triathlon Training: Principles and practices of the three disciplines comprising the sport of triathlon. Students pro- vide all personal equipment, including bicycle, helmet, swim goggles, Fall, Spring.

Triathlon Training and Performance: PR: PSM 2014 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. Occasional.


Arahic Language and Civilization I: Introduces the student to Arabic language skills. Open only to students with no experience in the language. Fall.

Arahic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

Arahic Language and Civilization II: PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level content. Occasional.

Elementary Arabic Language and Civilization I: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

Elementary Arabic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

UCF Courses and Descriptions

ARH 2201 CAH-LANG 3(3,0)
Intermediate Arabic II: PR: ARH 2200 or equivalent or C.I. Preparation of ARH 2200 with emphasis on Arabic culture. Fall, Spring.

ARC 3181 CAH-CAH 3(3,0)
Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Continued investigation of computer-aided design programs currently utilized by professional practices. Odd Spring.

ARC 3320L CAH-CAH 6(0,9)
Architectural Design 5: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

ARC 3321L CAH-CAH 6(0,9)

ARC 3463 CAH-CAH 3(3,0)
Materials and Methods of Construction 2: CR: ARC 4323L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

ARC 3503 CAH-CAH 3(3,0)
Architectural Structures: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I.; CR: ARC 3320L. Principles of structural behavior in resisting gravity and lateral forces. Considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

ARC 3610 CAH-CAH 3(3,0)

ARC 3743 CAH-CAH 3(3,0)
Architectural History 3: CR: ARC 3320L. Social, political, material, technological, and cultural forces on design and construction from 1850, including architect's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

ARC 4220 CAH-CAH 3(3,0)
Architectural Theory 2: CR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

ARC 4322L CAH-CAH 6(0,9)
Architectural Design 7: PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. Odd Fall.

ARC 4323L CAH-CAH 6(0,9)
Architectural Design 8: PR: ARC 4322L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

ARC 4620 CAH-CAH 3(3,0)

ARE 2000 ED-CFC 3(3,0)
Early Childhood Art and Creativity: An examination of developmental patterns in children's artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee $5.00

ARE 2944 CAH-SVAD 2(3,0)
Community Arts Practicum: PR: C.I. A supervised experience to facilitate art programming in a variety of community settings. Occasional.

ARE 4250 ED-TL&L 3(3,0)
Art for Exceptionalities: PR: EDG 4323 and at least junior standing. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. Occasional.

ARE 4262 CAH-SVAD 3(3,0)
Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

ARE 4313 ED-TL&L 1(1,0)
Art in the Elementary School: PR: EDF 2005; CR: MUE 3210, HLP 4722, RED 4519, MAE 4326, and EDE 3942. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of activities; selected art experiences. Fall, Spring; M&S fee $5.00

ARE 4351 ED-TL&L 3(2,1)
Teaching Art in the Elementary School: PR: EDF 4214 and EDG 4323. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee $5.00

ARE 4352 ED-TL&L 3(2,1)
Teaching Art in the Secondary School: PR: EDF 4214, and EDG 4323. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring; M&S fee $5.00

ARE 4356 ED-TL&L 3(3,1)
Teaching Art Appreciation & Criticism in the Classroom: PR: EDF 4214. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall. M&S fee $5.00

ARE 4453 ED-TL&L 3(3,0)
Studio Experiences in Art Education: PR: Completion of all Art Education Program Prerequisites or C.I. Materials available for instruction in public schools will be explored in depth in relation to the appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $5.00

ARE 4945 CAH-SVAD 12(0,12)
Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

ARE 5251 ED-TL&L 2(3,1)
Art for Exceptionalities: Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. Occasional.

ARE 5256 ED-TL&L 3(2,1)
Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupa- tional orientation and other recreational areas. Occasional.

ARE 5359 ED-TL&L 4(4,0)
Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee $5.00

ARE 5454 ED-TL&L 3(3,0)
Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring; M&S fee $5.00

ARE 5648 ED-TL&L 3(3,0)

ARH 2050 CAH-SVAD 3(3,0)
History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.

ARH 2050H CAH-SVAD 3(3,0)
Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-SVAD 3(3,0)
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

ARH 2051H CAH-SVAD 3(3,0)
Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-SVAD 3(3,0)
History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3454 CAH-SVAD 3(3,0)
Happenings and Conceptual Art: PR: Junior Standing or C.I. Aesthetic and social significance of "Total Art" in its attempt to break down customary distinctions between life and art. Occasional.

ARH 3471 CAH-SVAD 3(3,0)
Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520 CAH-SVAD 3(3,0)
African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.

ARH 3570 CAH-SVAD 3(3,0)
Ceramics of the Muslim World: PR: ARH 2050 or C.I. Islamic Art and the stylistic and technical characteristics of the period, in contrast to pre-Islamic or other civilizations such as the ancient Greeks, Egyptians, Babylonians, and Chinese. Occasional.

ARH 3610 CAH-SVAD 3(3,0)
American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.

ARH 3631 CAH-AAS 3(3,0)

ARH 3632H CAH-SVAD 3(3,0)

ARH 3670 CAH-SVAD 3(3,0)
20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.

ARH 3673 CAH-SVAD 3(3,0)
Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980’s. Occasional.

ARH 3674 CAH-SVAD 3(3,0)
UCF Courses and Descriptions
ART 3616C
CAH-SVAD
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 4173C
CAH-SVAD
3(2,4)
The Artist Book: PR: ART 2201C and ART 2203C.
Definition of book from traditional hand-made to contemporary artist book. Redefining the elements, structure and
content of books and the binding and printing methods in
book production. Occasional. M&S fee $25.00

ART 4935
CAH-SVAD
3(3,1)
BFA Exhibit/Seminar: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, must complete Studio course for
BFA, and a satisfactory portfolio review or C.I. This course
is designed to prepare B.F.A. students for B.F.A. Exhibition.
Spring. M&S fee $15.00

ART 3618
CAH-SVAD
3(3,0)
Post-Production Design: PR: Sophomore Portfolio
and “C’” or better in FIL 3720C. Special effects and compositing for computer animation and film. Focus on the use of
After Effects, Premier and Photoshop software. Occasional.

ART 4174C
CAH-SVAD
3(2,4)
The Printed Book: PR: ART 2201C, ART 2203C,
ART 2300C, and ART 2301C. Aesthetics of the printed
book including binding techniques to make artist books.
Occasional. M&S fee $23.00

ART 4945L
CAH-SVAD
6(0,6)
Advanced Design Lab: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, and a satisfactory portfolio
review or C.I. An interdisciplinary practicum where students
design and develop visual solutions for real world clients in
partnership with industry. Occasional.

ART 3643C
CAH-SVAD
3(2,4)
Digital Effects & Compositing: PR: Sophomore
Portfolio and “C” or better in FIL 3720C. Special effects and
compositing 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 4177C
CAH-SVAD
3(2,4)
Commercial Book Design and Publishing: PR:
ART 2823 and Junior standing or C.I. Analysis of art and
design elements and their interpretation from a historical
perspective. Occasional.

ART 4954
CAH-SVAD
3(3,0)
Scotland Study Abroad: PR: ART 2823, ART
2201C, ART 2301C or C.I. Study abroad in Edinburgh,
Scotland. May be repeated for credit. Occasional.

ART 3709C
CAH-SVAD
3(2,4)
Intermediate Sculpture: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, ART 2701C, and successful portfolio review. Examines the concepts of threedimensional forms. Fall, Spring. M&S fee $45.00

ART 4226C
CAH-SVAD
3(3,3)
Post Production for Animators: PR: FIL 3734C.
Concepts and tools for finishing computer and traditional
animations on film and video. Emphasis on compositing tools to combine elements in a finished animation.
Occasional.

ART 3737C
CAH-SVAD
3(2,4)
Narrative Sculpture: PR: ART 2201C, ART 2203C,
ART 2300C, and ART 2301C. Aesthetics of sculpture
incorporating narrative content and referencing historical
contexts. May be repeated for credit. Occasional.

ART 4320C
CAH-SVAD
3(2,4)
Advanced Drawing: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3332C. May be repeated for
credit. Fall, Spring.

ART 3761C
CAH-SVAD
3(2,4)
Intermediate Ceramics: PR: ART 2201C, ART
2203C, ART 2300C and ART 2301C. Continuation of
ceramic processes. Fall, Spring. M&S fee $35.00

ART 4402C
CAH-SVAD
3(2,4)
Advanced Printmaking: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May
be repeated for credit. Even Fall, Spring. M&S fee $30.00

ART 3764C
CAH-SVAD
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 4505C
CAH-SVAD
3(2,4)
Advanced Painting: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3504C, and a satisfactory
portfolio review or C.I. Advanced problems in painting. May
be repeated for credit. Fall, Spring. M&S fee $15.00

ART 3833C
CAH-SVAD
3(4,2)
Processes and Ideas in Art: PR: Junior Standing.
This course emphasizes 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 creativity. Occasional.

ART 4634C
CAH-SVAD
3(3,1)
Web Art: PR: ART 2823 or C.I. The Web as a medium
for art. Occasional.

ART 3833C
CAH-SVAD
3(2,4)
Honors Processes and Ideas in Art: PR: Junior
Standing and Consent of Honors. Generation of new
insights concerning artistic expression with an emphasis
on the individual creation of visual art objects. With Honors
content. Occasional.

ART 4644C
CAH-SVAD
3(2,4)
Books Without Books: PR: ART 2201C, ART
2203C, ART 2300C, and ART 2301C. The use of technology for alternative presentation of sequential ideas in space
and time. May be repeated for credit. Occasional.
ART 4710C
CAH-SVAD
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 3950
CAH-SVAD
0(0,0)
Portfolio Review: PR: ARH 2050, ARH 2051, ART
2823, ART 2201C, ART 2203C, ART 2300C, and ART
2301C. Determines competencies in studio foundations
work. Satisfactory completion of portfolio review is required
to enroll in upper division studio classes. Graded S/U. Fall,
Spring.

ART 4765C
CAH-SVAD
3(2,4)
Ceramic Handbuilding II: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture.
Occasional. M&S fee $35.00

ART 3951C
CAH-SVAD
3(2,4)
Interdisciplinary design course emphasizing visual literacy
skills and finished design projects with real world clients.
Course covers two and three dimensional design content.
Occasional.

ART 4780C
CAH-SVAD
3(2,4)
Kiln Design and Building: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, ART 3761C, ART 4783C,
and a satisfactory portfolio review or C.I. The design and
construction of kilns, use of refractory materials, and the theory of efficient fuel combustion. Occasional. M&S fee $35.00

ART 4132C
CAH-SVAD
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 4783C
CAH-SVAD
3(2,4)
Advanced Ceramics: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3761C, 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 4172C
CAH-SVAD
3(2,4)
Book Repair and Restoration: PR: ART 2201C,
ART 2203C, and ART 3170C. Mending, repairing, and
rebinding books from the Library and Special Collections.
Occasional.

ART 4786C
CAH-SVAD
3(2,4)
Ceramic Raw Material: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3761C, and a satisfactory
portfolio review or C.I. An in-depth understanding of the
singular and diverse properties of clay and glaze materials.
Occasional. M&S fee $35.00

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ART 4971
CAH-SVAD
3(2,4)
Senior Thesis: PR: Senior Standing, Art major, and
C.I. A capstone thesis for Art Animation majors. May be
repeated for credit. Occasional. M&S fee $45.00
ART 5109C
CAH-SVAD
3(2,4)
Multi-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-SVAD
3(3,3)
Serial Content and Classic Form I: PR: Admission
to MFA. Studio course exploring serial imaging history, pictographs, alphabet development, typographic design, and
the computer as sequenced design concepts and tools.
Fall. M&S fee $45.00
ART 5284
CAH-SVAD
3(3,0)
Design Theory and Methods: PR: Admission to
MFA or C.I. Introduction to semiotic theory, communication
theory, perceptual codes, human factors and visual rhetoric.
Fall. M&S fee $45.00
ART 5670C
CAH-SVAD
3(2,4)
Digital Illustration: CR: ART 6683C. Methods and
media effects usually associated with traditional illustration
in a digital platform. Spring. M&S fee $45.00
ART 5694
CAH-SVAD
3(3,0)
Crosscultural Electronic Art and Design: PR:
Admission to MFA. Explores digital/electronic art and technology from mid-20th century to present. Explores key
electronic artists and issues of the “arts electronica” into the
present. Spring.
ART 5695
CAH-SVAD
3(3,0)
WebArt I: PR: Admission to MFA. Students will explore
the web and experiment with pertinent software, as well as
design and implement websites. Projects will be determined
at the outset of each semester. Spring. M&S fee $45.00
ART 5696
CAH-SVAD
3(3,0)
Art, Design and Human Interactions: PR:
Admission to MFA. Exploration and design of interface
interactions systems and technologies in contemporary
society and culture including place making, way finding,
electronic interface design, and publication design. Spring.
ART 5698
CAH-SVAD
3(3,0)
Concourse I: PR: ART 5910 and ART 5280C and ART
5694, or C.I. Digital reproduction of studio works. Fall. M&S
fee $45.00
ART 5745
CAH-SVAD
3(3,0)
Physical and Virtual Sculpture: PR: Acceptance to
MFA in Studio Art and the Computer or C.I. A course exploring historical (tactile) and contemporary (virtual) approaches
to the creation of 3D sculptural objects. Occasional.
ART 5811C
CAH-SVAD
3(3,1)
The Professional Practice of Art: PR: ART
2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing,
or C.I. Seminar class on political information pertaining to
professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall.
M&S fee $45.00

Undergraduate Catalog 2011-2012


<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>ART 5910</td>
<td>CAH-SVAD</td>
<td>Studio Concentration I: PR: Admission to MFA. Course work will provide introduction to production in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&amp;S fee $45.00</td>
<td>3(3,0)</td>
<td>Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, literature, research examined. Fall, Spring.</td>
</tr>
<tr>
<td>ART 5924</td>
<td>CAH-SVAD</td>
<td>Studio Concentration II: PR: Graduate standing or C.I. Current issues in contemporary international art. Graded S/U. Occasional.</td>
<td>3(3,0)</td>
<td>The Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century. Occasional.</td>
</tr>
<tr>
<td>ART 5941</td>
<td>CAH-SVAD</td>
<td>Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.</td>
<td>1(1,0)</td>
<td>Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.</td>
</tr>
<tr>
<td>ASH 3222</td>
<td>CAH-HIST</td>
<td>Islamic and its Empires: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century. Occasional.</td>
<td>3(3,0)</td>
<td>Art and Architecture in the Islamic World: PR: Junior standing or C.I. History of art and architecture in the Islamic World from the 7th century until the fall of the Caliphate. Occasional.</td>
</tr>
<tr>
<td>ASH 3223</td>
<td>CAH-HIST</td>
<td>The Middle Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. Occasional.</td>
<td>3(3,0)</td>
<td>The Middle Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. Occasional.</td>
</tr>
<tr>
<td>ASH 4233</td>
<td>CAH-HIST</td>
<td>Ottoman Empire: PR: WOH 2012 and WOH 2022. History of the Ottoman Empire from its origins in the 13th century to its collapse after WWI. Occasional.</td>
<td>3(3,0)</td>
<td>Ottoman Empire: PR: WOH 2012 and WOH 2022. History of the Ottoman Empire from its origins in the 13th century to its collapse after WWI. Occasional.</td>
</tr>
<tr>
<td>ASH 4404</td>
<td>CAH-HIST</td>
<td>China in 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. The Mongols in China; coming of the Europeans; social structure; Communist movement; Japanese aggression. Occasional.</td>
<td>3(3,0)</td>
<td>China in 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. The Mongols in China; coming of the Europeans; social structure; Communist movement; Japanese aggression. Occasional.</td>
</tr>
<tr>
<td>ASH 4442</td>
<td>CAH-HIST</td>
<td>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.</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ASH 5277</td>
<td>CAH-HIST</td>
<td>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 1967 and the aftermath of the war. Occasional.</td>
<td>3(3,0)</td>
<td>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 1967 and the aftermath of the war. Occasional.</td>
</tr>
<tr>
<td>ASH 5229</td>
<td>CAH-HIST</td>
<td>History of the Middle East: PR: Graduate standing or C.I. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.</td>
<td>3(3,0)</td>
<td>History of the Middle East: PR: Graduate standing or C.I. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>ASH 5408</td>
<td>CAH-HIST</td>
<td>Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.</td>
<td>3(3,0)</td>
<td>Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.</td>
</tr>
<tr>
<td>ASH 5485</td>
<td>CAH-HIST</td>
<td>U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. Even Fall.</td>
<td>3(3,0)</td>
<td>U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. Even Fall.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

AST 5765C  COS-PHYS  3(3,1)  Advanced Astronomical Data Analysis: PR: MAC 3472 or 2000-level or higher course in astrophysics, planetary science, ability to write simple computer programs, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.


ATR 3012C HPA-HP  2(1,1)  Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Clinical skills including functional knowledge of lower extremity/trunk muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. Fall. M&S fee $30.81

ATR 3013C HPA-HP  2(1,1)  Clinical Skills for Athletic Training II: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Clinical skills, including functional knowledge of upper extremity muscle, tendon, ligament anatomy; advanced taping and bracing skills; and pharmacological interventions. Spring. M&S fee $15.00

ATR 3020C HPA-HP  2(1,1)  Lower Extremity Function and Measurement: PR: ZOO 3733C or ZOO 3736C. Lower extremity functional anatomy, manual muscle testing and goniometry. Fall.

ATR 3021C HPA-HP  2(2,2)  Recognition and Evaluation of Athletic Injuries I: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head, neck, and general medical conditions and provide immediate management. Spring.

ATR 4213C HPA-HP  3(2,2)  Recognition and Evaluation of Athletic Injuries II: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.


ATR 4313C HPA-HP  3(1,3)  Therapeutic Exercise in Athletic Training: PR: ATR 3212C. Rehabilitation processes regarding exercise progression for athletic injury. Occasional.

ATR 4315C HPA-HP  3(1,2)  Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. ATR 4131C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. Fall.

ATR 4512C HPA-HP  3(3,0)  Organization and Administration of Athletic Training: PR: ATR 3203C. Administrative knowledge in the athletic training profession. Fall.

ATR 4529L HPA-HP  4(0,16)  Practicum in Athletic Training III: PR: ATR 3822C. Clinical skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Fall, Spring.

ATR 4829L 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.


ATR 5144 ED-CFCFS  3(3,0)  Advanced Human Injuries: PR: ATR 2010C 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.

ATR 6001C HPA-HP  3(3,0)  Medicinal Botany: PR: BSC 2010C and C.I. The medicinal properties of plants and their role in both traditional and modern medicine; history of herbal medicine and alternative medicinal practices around the world. Even Fall.

ATR 9101C HPA-HP  3(3,0)  Medicinal Botany: PR: BSC 2010C and C.I. The medicinal properties of plants and their role in both traditional and modern medicine; history of herbal medicine and alternative medicinal practices around the world. Even Fall.

ATR 9105C HPA-HP  3(3,0)  Medicinal Botany: PR: BSC 2010C and C.I. The medicinal properties of plants and their role in both traditional and modern medicine; history of herbal medicine and alternative medicinal practices around the world. Even Fall.

ATR 9105L HPA-HP  3(0,3)  Medicinal Botany Laboratory: CR: BSC 9105. The laboratory to accompany BSC 9105. Laboratory fee $15.00.


BCH 4054 CHEM-CHEM  3(3,0)  Biochemistry II: PR: BCH 4053. Continuation of BCH 4053. Spring.

BCH 4054L CHEM-CHEM  2(0,6)  Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantitation of materials of biological significance. Spring. M&S fee $70.00

BME 5572 ECE-ECE  3(3,0)  Biomedical Nanotechnology: PR: EEL 3132C or C.I. Human Physiology, Biotechnic Phenomena and Neurons, Nanoelectronics for fabrication of biochips for human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Spring.

BOT 3018C COS-BIOL  3(1,2)  Culinary Botany Across the Cultures: PR: BOT 3082, Junior standing, or C.I. Cultural food traditions and the connections between plants, people and health; examines the preparation methods that enhance the nutritional values. Occasional. M&S fee $9.50

BOT 3152C COS-BIOL  3(1,4)  Local Flora: PR: BSC 2010C and BSC 2011C, or C.I. 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.

BOT 3802 COS-BIOL  3(3,0)  Ethnobotany: PR: BSC 2011C or C.I. Historical and modern uses of plants economically important in various cultures. Spring.

BOT 3820C COS-BIOL  3(2,1)  Plants and the Urban Environment: PR: Junior standing or C.I. The selection, propagation and care of ornamental plants in residential and industrial areas. For non-majors only. Occasional. M&S fee $15.00


BSC 4434C COM-M&M  4(3,1)  General Mycology: PR: BSC 2010C, MCB 3020C or BSC 2011C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, general physiology, practical applications and pathogenicity. Occasional.

BSC 4503 COS-BIOL  3(3,0)  Plant Physiology: PR: PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. Occasional.

BSC 4503L COS-BIOL  1(0,3)  Plant Physiology laboratory: CR: BSC 4503. The laboratory to accompany BSC 4503. Occasional. M&S fee $15.00

BSC 4680C COS-BIOL  4(3,3)  Conservation and Management of Native Plants: PR: BSC 4713C, PCB 3044 and/or BSC 4503 or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. Occasional.


BSC 4859C COS-BIOL  3(3,0)  Medicinal Botany: PR: BSC 2011C, or C.I. The medicinal properties of plants and their role in both traditional and modern medicine; history of herbal medicine and alternative medicinal practices around the world. Even Fall.

BSC 1005 COS-BIOL  3(3,0)  Biological Principles: A study of various biological factors that affect the health and survival of man in modern society. Designed for non-majors. Fall. Spring.

BSC 1005H COS-BIOL  3(3,0)  Biological Principles-Honors: PR: Permission of Honors. Biological factors that affect dependence on the environment; the role of human population preserving ecological integrity. Occasional.

BSC 1005L COS-BIOL  1(0,2)  Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&S fee $15.00.
Biology and Environment: Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Designed for non-majors. Occasional.


Biology and Environment Laboratory Laboratory: CR: BSC 2010C, 2010H. Open only to students whose major requires this specific course. Fall, Spring. M&S fee $24.00. Occasional.

Biology and Environment Laboratory Honors: CR: BSC 2010H or C.I. A service-learning course utilizing an interdisciplinary approach to examine biodiversity as it relates to human society, population, and technology. Field trips required. Designed for Honors non-majors. Occasional.


Biology and Environment Laboratory-I I Honors: CR: BSC 2010H or C.I. A service-learning course utilizing an interdisciplinary approach to examine biodiversity as it relates to human society, population, and technology. Field trips required. Designed for Honors non-majors. Occasional.


Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $59.00.

Quantitative Biological Methods-I I: Permit of Honor and BSC 2010H or C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Fall, Spring. M&S fee $15.00. Occasional.

History of Biology: PR: BSC 2010C. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $20.00. Occasional.

Information, and applying data effectively. Fall, Spring. M&S fee $45.00. Occasional.

Invasion Biology: PR: PCB 3044 and PCB 4683, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. Even Spring.

Biological Laboratory Techniques: PR: PCB 3044, CHM 2210, or C.I. Individual and small group instruction in fundamental laboratory techniques beyond the scope of typical Biology laboratory courses. Graded S/U. May be repeated for credit. Occasional.

Immunological Methods: PR: PCB 3252 or equivalent or C.I. An introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

Biomedical Informatics: Structure Analysis: PR: PCB 3252 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

Research in Animal Physiology: PR: PCB 4742. Development of research skills in animal physiology through hands-on experimental design, data collection, use of data analysis software, and communication of results. Occasional.

Biology Laboratory Techniques: PR: PCB 3044 and PCB 4683 or 2000. A laboratory course which presents concepts, modern methods, and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $20.00. Occasional.

Biology Laboratory Techniques-I I: Permit of Honour. BSC 2010H or C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Fall, Spring. M&S fee $45.00. Occasional.

Biology Laboratory Techniques-I I Honors: CR: BSC 2010H or C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Fall, Spring. M&S fee $45.00. Occasional.

Biomedical Informatics - Sequence Analysis: PR: PCB 3252 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

Bioinformatics: PR: PCB 3044 and PCB 4683 or 2000. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $59.00.

Biomedical Informatics: Sequence Analysis: PR: PCB 3252 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Spring.

Biomedical Informatics: Structure Analysis: PR: PCB 3252 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

Biomedical Informatics: Structure Analysis: PR: PCB 3252 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Spring.

Biomedical Informatics: Structure Analysis: PR: PCB 3252 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Spring.

Biomedical Informatics: Structure Analysis: PR: PCB 3252 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Spring.

Biomedical Informatics: Structure Analysis: PR: PCB 3252 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Spring.

Biomedical Informatics: Structure Analysis: PR: PCB 3252 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Spring.
CAP 5725 ECS-CS 3(3,0) Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphic systems. Spring.

CBH 3003 COS-PSYCH 3(3,0) Comparative Psychology: PR: PSY 3012. A study of comparative behaviors of lower animals. Occasional.

CCE 4003 ECS-CECE 3(3,0) Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, EGN 3310 all with a grade of "C" (2.0) or better. CR: CWR 3201. Project delivery systems, construction contract administration and scheduling; ethics and labor issues. Multidisciplinary experience in engineering. Fall, Spring.

CCE 4004 ECS-CECE 3(3,0) Construction Methods: PR: CES 4100C with a grade of "C" or better.瓦 construction methods for civil and structural systems, design of temporary structures, safety, and building codes. Spring.

CCE 4034 ECS-CECE 3(3,0) Construction Estimating and Scheduling: PR: CCE 4003 with a grade of "C" (2.0) or better. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 ECS-CECE 3(3,0) Construction Equipment and Productivity: PR: CCE 4003, CWR 3201 both with a grade of "C" (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. Spring.

CCE 4810C ECS-CECE 3(2,2) Construction Design Project: PR: CCE 4003, CCE 4841 all with a grade of "C" (2.0) or better. Design and construction of mechanical and electrical systems for buildings. Fall.

CCE 5006 ECS-CECE 3(3,0) Introduction to Construction Industry: PR: Post-bac status or C.I. This course introduces students to the construction industry. Topics include project phases, project delivery systems, contracts, estimating and schedule drawing and specifications. Research paper required. Occasional.

CCE 5036 ECS-CECE 3(3,0) Construction Estimation and Scheduling: PR: C.I. Provides students with an understanding of estimating and scheduling of construction projects. Topics include detailed estimates, scheduling and project control. Research paper required. Occasional.

CCE 5205 ECS-CECE 3(3,0) Construction Methods: PR: Post-bac status or C.I. This class covers construction project evaluation principles along with construction methods for civil and structural systems. Occasional.


CCE 5815 ECS-CECE 4(4,0) Mechanical and Electrical Systems for Buildings: PR: C.I. This course covers the design and construction of mechanical and electrical systems for buildings. Research paper required. Occasional.

CCJ 3014 HPA-CJ 3(3,0) Crime in America: A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. Fall, Spring.

CCJ 3024 HPA-CJ 3(3,0) Criminal Justice System: An examination of the components and of their interdependence in light of their traditional autonomy. Fall, Spring.


CCJ 3450 HPA-CJ 3(3,0) The Criminal Justice Manager: PR: CCJ 3024 or CJ 3014. Focuses on management and leadership. Occasional.

CCJ 3451 HPA-CJ 3(3,0) Justice System Technology: PR: CCJ 3024 or C.I. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483 HPA-CJ 4(4,0) Labor Relations in Criminal Justice: PR: CCJ 3024 and CCJ 3450 or C.I. Examine the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. Occasional.

CCJ 3660 HPA-CJ 3(3,0) Victims and the CJ System: PR: CCJ 3024. Course examines victims as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim offender programs. Occasional.

CCJ 4035 HPA-CJ 3(3,0) Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

CCJ 4054 HPA-CJ 3(3,0) Criminal Justice Ethics: Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

CCJ 4064 HPA-CJ 3(3,0) Criminal Justice Dimensions of Genocide: PR: CCJ 3014 or C.I. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice majors' roles in studying and preventing genocide. Occasional.

CCJ 4076 HPA-CJ 3(3,0) Crime Analysis II: PR: CJE 4694, CJE 4693. Designed to provide advanced data analysis skills that will enable a crime analysis sophisticated methodologies to crime analysis. Occasional.

CCJ 4129 HPA-CJ 3(3,0) Cultural Diversity in Criminal Justice: PR: CCJ 3024. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

CCJ 4195 HPA-CJ 3(3,0) Interviews & Interrogations in CJ: PR: CCJ 3024 and CJ Major or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence. Fall, Spring.

CCJ 4296 HPA-CJ 3(3,0) Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.

CCJ 4361 HPA-CJ 3(3,0) Death Penalty: PR: CCJ 3024. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4641 HPA-CJ 3(3,0) Organized Crime: An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.

UCF Courses and Descriptions

CET 4505 ECS-ECS 3(3.0) Applied Operating Systems I: PR: CET 2364. Modifying facilities to support new hypertext devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.


CET 4741L ECS-CS 3(0.3) Computer Networking Laboratory: PR: C.I. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and data communication technologies. Occasional.

CET 4749 ECS-ECS 3(3.0) Wide Area Networks II: PR: CET 3679 or CET 4483, or C.I. Designing Wide Area Networks; determining requirements, design evaluation, structures, choosing appropriate technologies, and evaluating results. Fall.


CGN 3501C ECS-CECE 3(2.3) Civil Engineering Materials: PR: ENG 3331. Graphs, 1400 or CHM 2045C both with a grade of "C" (2.0) or better. The characterization of materials used in civil engineering works to include concrete, bituminous polymers and composite materials. Fall. Spring. M&S fee $30.00

CGN 3708C ECS-ECE 4(3.2) Civil Engineering Measurements: PR: MAC 2312 and PHY 2494C both with a grade of "C" (2.0) or better. This course covers engineering measurement, data analysis, hardware of experiments including electronics, system components, and calibration, with specific applications in civil engineering, Spring.

CGN 4300 ECS-CECE 3(3.0) Civil Engineering Systems: PR: Ethernet, or PHD 2494C or both with a grade of "C" (2.0) or better. Civil engineering systems are a complex, diverse set of systems, which are designed to work together in a way that enables the engineer to meet the objectives of the design. The course covers the concepts, principles, and practices of civil engineering systems. Fall.

CGN 4600 ECS-CECE 3(3.0) Public Works Engineering: PR: ENV 3001 and CWR 3201. An overview of planning, design, operation and maintenance of public works, with emphasis on water and wastewater treatment plants. May be repeated for credit. Fall.

CGN 4808C ECS-ECE 3(2.2) CECE Capstone Design: PR: "C" (2.0) or better in a previous CECE design course or department consent. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall. Spring.


CGN 5504C ECS-ECE 3(2.2) Civil Engineering Materials: PR: ENG 3365, ENG 3331, or C.I. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials. Occasional.

CGN 5506C ECS-ECE 3(2.2) Asphalt Concrete Mix Design: PR: CEG 4011C. Properties of asphalt, aggregate and asphalt mixes, Marshall mix design, Hveem mix design, pavement rehabilitation. Occasional.

CHI 1120C CAH-LANG 4(3.1) Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1120H CAH-LANG 4(4.0) Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. Occasional.


CHI 1200 CAH-LANG 3(3.0) Intermediate Chinese I: PR: CHI 1121C or equivalent. C.I. Development of Chinese language skills at the intermediate level. Fall.
Chemistry Fundamentals IB: CHM 2041 COS-CHEM 3(3,0)  
Intermolecular forces, solutions and colligative properties. Students whose major requires this course. Continuation of term in CHM 2045C or CHM 2041C. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Continued study via spectrometric techniques. Fall, Spring.

Chemistry Fundamentals II: CHM 2211 COS-CHEM 3(3,0)  
Organic Chemistry II: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210 Fall, Spring.

Chemistry Fundamentals Laboratory: CHM 2046L COS-CHEM 1(0,3)  
Chemistry Fundamentals Laboratory: CR: CHM 2046. Prior to students whose major requires this course. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00

Introduction to Organic and Biochemistry: CHM 2205 COS-CHEM 5(5,0)  
PR: CHM 2046, CHM 2046L. 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.

Honors Chemistry Fundamentals I: CHM 2045 COS-CHEM 3(3,0)  
Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Continued study via spectrometric techniques. Fall, Spring.

Honors Chemistry Fundamentals II: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Same as CHM 2045C with honors-level content. Fall, Spring. M&S fee $9.00

Honors Chemistry Laboratory: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry, atomic structure, periodicity, chemical bonding, states of matter, gases. The NC grading policy applies to this course. Fall, Spring.

Analytical Chemistry: PR: CHM 2046, CHM 2046L, and PR: or CR: CHM 3411 or PR: CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring. M&S fee $70.00

Analytical Chemistry Laboratory: PR: CHM 2211, and PR: or CR: CHM 3411 or PR:CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring. M&S fee $70.00

Applied Physical Chemistry: PR: PHY 2049C and MAC 2212. Physical chemistry as applied to the study of biological and forensic science. Fall.

Advanced Analytical Laboratory Technique: PR: CHM 2211, CHM 3120 (with a minimum grade of 'C' or 2.0) and CR:CHM 3411 or PR:CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring.

Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. Experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee $70.00

Organic Chemistry I: CHM 2210 COS-CHEM 3(3,0)  
PR: CHM 4610. Continuation of this course. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $70.00

Environmental Organic Chemistry: PR: CHM 2210, 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.

Applied Physical Chemistry: PR: PHY 2049C and MAC 2212, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasional.

Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characteristics, polymer properties will be considered. Even Fall.

Techniques in Polymer Science: PR: CHM 2211 and 2210. Methods and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Continuation of the NC grading policy applies to this course. Fall, Spring.

Honors Physical Chemistry: PR: PHY 2049C and MAC 2212. Physical chemistry as applied to the study of biological and forensic science. Fall.

Organic Chemistry II: CHM 2211 COS-CHEM 3(3,0)  
PR: or CR: CHM 4130. A discussion of descriptive inorganic chemistry based on various bonding theories, thermodynamics, and kinetics. Spring.

Applied Molecular Spectroscopy: PR: CHM 2211, and graduate status or senior standing, or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall, Spring.

Chemistry Seminar: PR: CHM 4930 or C.I. Student selects a topic and an advisor and prepares a draft seminar. Fall, Spring.

Chemistry Seminar: PR: CHM 4930. Student improves the seminar prepared in CHM 4930 (or an approved alternative) and presents it to the Chemistry department. Fall, Spring.

Advanced Organic Chemistry: PR: CHM 2211, and graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.


Applied Biological Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasional.

Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characteristics, polymer properties will be considered. Even Fall.

Techniques in Polymer Science: PR: CHM 2211 and 2210. Methods and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Continuation of the NC grading policy applies to this course. Fall, Spring.

Honors Physical Chemistry: PR: PHY 2049C and MAC 2212. Physical chemistry as applied to the study of biological and forensic science. Fall.

Advanced Analytical Laboratory Technique: PR: CHM 2211, CHM 3120 (with a minimum grade of 'C' or 2.0) and CR:CHM 3411 or PR:CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring.
CHM 5580 COS-CHEM 3(3,0) Advanced Physical Chemistry: CR: CHM 3411 and PR: MAC 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.

CHM 5715 COS-CHEM 3(2,3) Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4000 equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 1440 COS-CHEM 4(3,1) Fundamentals of Chemistry for Engineers: PR: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibria, electromechanics and thermodynamics. The "NC" grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3,0) Introduction to Forensic Science: PR: Preference will be given to students whose majors require this course. Intersession majors and non-majors may also provide an overview of the specialty areas in the forensic crime lab. Spring.

CHS 3505C COS-CHEM 4(2,6) Forensic Microscopy: PR: 'C' grade or better in CHM 2046 & L and CHS 3501; and PR: or CR: PHY 2046C. The operation of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee $45.00

CHS 3511C COS-CHEM 4(2,6) Trace Evidence: PR: 'C' grade or better in CHS 3505C & CHM 2211. An advanced study of the techniques used in identifying and comparing trace evidence. Spring. M&S fee $45.00

CHS 3514C COS-CHEM 3(2,3) Bomb Scene Investigation: PR: Forensic Science major, CHS 3505 or C.I. Procedures for recognizing, collecting, preserving, and analyzing of evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3530C COS-CHEM 4(3,3) Forensic Analysis of Controlled Substances: PR: 'C' grade or better in CHM 2211, PR: or CR: CHS 3560 & CHM 3120. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee $45.00

CHS 3533 COS-CHEM 2(2,0) Forensic Biochemistry I: PR: 'C' or better in PCB 3063 and PCB 3323. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 3533L COS-CHEM 1(0,3) Forensic Biochemistry I Laboratory: PR: 'C' (2.0) grade or better in BSC 2010C, PCB 3063, PCB 3063L, PCB 3323, PCB 3333, and PR: or CR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee $70.00

CHS 3540C COS-CHEM 2(1,3) Fire and Debris Analysis I: PR: CHM 3320 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3595 COS-CHEM 3(3,0) Forensic Science in the Courtroom: PR: or CR: CHS 3015 and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3940 COS-CHEM 0(0,8) Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded SU. May be repeated for credit. Occasional.

CHS 4200 COS-CHEM 3(3,0) Concepts in Industrial Chemistry: PR: CHM 3410. An introduction to industrial practices, emphasizing the application of chemical principles in the development of a commercial process or product. Occasional.

CHS 4506C COS-CHEM 3(2,3) Forensic Investigation Technology: PR: A grade of "C" or better in CHS 3505C or C.I. Modern technology applied to forensic investigation. Occasional.


CHS 4534C COS-CHEM 3(1,6) Forensic Biochemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for evidence interpretation. Spring. M&S fee $70.00

CHS 4537 COS-CHEM 2(2,0) Forensic Laboratory Quality Assurance: PR: Grade of 'C' or better in CHS 3501, CHS 3505C, and CHS 5303 or C.I. Concepts and principles of quality assurance and quality systems management in forensic laboratories. Fall.

CHS 4541C COS-CHEM 2(1,3) Fire and Debris Analysis II: PR: CHS 3540C or C.I. An advanced level course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.

CHS 4547C COS-CHEM 3(2,3) Advanced Topics in Trace Analysis: PR: CHS 3511C, or C.I. Recovery and analysis of forensic trace evidence. Occasional. M&S fee $59.00

CHS 4591 COS-CHEM 2(4,0) Forensic Science Management: PR: Senior standing after 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(3,0) Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science MS program or C.I. Principles of forensic science scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence. Occasional.

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 practice. Occasional.

CHS 5560 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 constraints of Law and courtroom procedures. Spring.


CIS 4361 ECS-CS 3(3,0) Secure Operating Systems and Administration: PR: COP 4600 or CGS 3763. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.

CIS 4615 ECS-CS 3(3,0) Secure Software Development and Assurance: PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3362) or C.I. Thread modeling. Secure code life-cycle, Buffer overflows, race conditions and format string problems, exploits and clients, File system, Cryptography applications, UnLsec, Java security and Reverse engineering. 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, security protocols, application vulnerabilities, threats and hackers. Spring.

CJC 3010 HPA-CJ 3(3,0) Corrections and Penology: PR: CCJ 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.

CJC 3134 HPA-CJ 3(3,0) Prisons and jails: PR: CJC 3010. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration and management, and programming. Occasional.

CJC 3164 HPA-CJ 3(3,0) Community-Based Corrections: PR: CJC 3024 or C.I. A study and analysis of corrections interventions and treatment programs in the community. Occasional.

CJC 4410 HPA-CJ 3(3,0) Correctional Interventions in Criminal Justice: PR: CCJ 3014. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. Occasional.
Examines police role in modern society and law enforcement. CJE 5021 HPA-CJ 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.

CJE 5688 HPA-CJ 3(3,0)

CJJ 3014 HPA-CJ 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.

CJJ 4564 HPA-CJ 3(3,0)
Juvenile Justice System: PR: CJE 3024 and CJL 3510 or C.J. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.

CJL 3110 HPA-CJ 3(3,0)
Criminal Law in Action: Occasional.

CJL 3510 HPA-CJ 3(3,0)
Criminal Sentencing: PR: CCJ 3024 and CJL 3510 or C.J. Examination of programs and institutions including juvenile court process, intake services, and reme- diausal for credit.

CJL 4410 HPA-CJ 3(3,0)
Legal Aspects of the Criminal Court Process: PR: CJE 4014. The legal dimensions of various police decision-making stages; including stops and frisks; arrests; searches and seizures; wiretappings; and, interrogations. Occasional.

CJL 4046 HPA-CJ 3(3,0)
Liability Issues in Criminal Justice: PR: CCJ 3024. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. Occasional.

CJI 4012 HPA-CJ 3(3,0)
Criminal Profiling in Criminal Justice: PR: CCJ 3014 or C.J. Examining criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

CJI 4014 HPA-CJ 3(3,0)
Prosecution and Adjudication: PR: CCJ 3024 or PL 3041 or C.J. Examination of the role of the prosecutor and the judge in the criminal justice process. Fall, Spring.

CJI 3510 HPA-CJ 3(3,0)
An overview of correctional process in U.S., including Downsizing a dramatically changing work force, religious organizations and private sector, and community interventions are related to the daily operations required by community policing. Occasional.

CJI 4732 HPA-CJ 3(3,0)
Justice Agency Operations: PR: CCJ 3024 and CJL 3510 or C.J. Analysis of the roles of various legal justice agencies, institutions and court systems. Occasional.

CJI 4610 HPA-CJ 3(3,0)
Criminal Investigation: PR: CJE 4014. Course acquaints students with basic procedures used in criminal investigation, purpose of investigations, and ingredients for successful investigations. Fall, Spring.

CJI 4630 HPA-CJ 3(3,0)

CJI 4654 HPA-CJ 3(3,0)

CJI 4663 HPA-CJ 3(3,0)
Crime Analysis I: PR: CJE 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 3(3,0)

CJE 5120 HPA-CJ 3(3,0)
Personnel Management in Criminal Justice Organizations: PR: Graduate standing or C.J. 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.

CLP 3004 COS-PHY 3(3,0)

CLP 3143 COS-PHY 3(3,0)

CLP 3143H COS-PHY 3(3,0)

CLP 3184 COS-PHY 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 COS-PHY 3(3,0)
Clinical Psychology: PR: PPE 3003 and CLP 3143. An overview of approaches to psychopathology, methods of clinical assessment, and various approaches to individual and group counseling. Fall, Spring.

CLP 3413 COS-PHY 3(3,0)
Contemporary Behavior Therapy: PR: CLP 3413. 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 3476C COS-PHY 3(3,0)
Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 3012. Psychosocial aspects of interpersonal relationships, the rationale for group ther- apy, and strategies for enhancing interpersonal skills and personal growth. Occasional.

CLP 4124 COS-PHY 3(3,0)

CLP 4314 COS-PHY 3(3,0)
Health Psychology: PR: CLP 3143, PSB 3002, PPE 3003C. Interactions between psychosocial and physical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empiri- cal phases for prevention, assessment and intervention approaches for these focal areas: cancer, chronic heart dis- ease, diabetes, HIV disease, pain and stress. Occasional.

CLP 4393 COS-PHY 3(3,0)
Forensic Psychology: PR: PSY 3012 and SOP 2751. Clinical practice of psychology within the legal system, including forensic evaluation of competency/insanity, treat- ment, and criminal profiling. Spring.

CLP 4402C COS-PHY 3(3,0)

CLP 5166 COS-PHY 3(3,0)
Advanced Abnormal Psychology: PR: Graduate status or senior standing or permission. Consideration of classi- fication, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5187 COS-PHY 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 prob- lems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CLT 3370 MTH-ACADEM 3(3,0)
Classical Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2012, or LIT 2110. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.
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**Undergraduate Catalog 2011-2012**
COP 4910 ECS-CS 3(3,0) Frontiers in Information Technology: PR: COP 4610L or COT 4703C. Research into leading edge information technologies that have a high likelihood of affecting the workplace in the two to five year time frame. Spring.

COP 5021 ECS-CS 3(3,0) Program Analysis: PR: COP 4020 and COT 4210 or C.I. Static analysis of programs including theoretical and practical limitations, formal flaw analysis, abstract interpretation, and ype and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0) Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611 ECS-CS 3(3,0) Operating Systems Design Principles: PR: COP 4006. Structure and functions of operating systems, process communication techniques, high-level concurrent programming, virtual memory systems, elementary queuing theory, security, distributed systems, case studies. Spring.

COP 5711 ECS-CS 3(3,0) Parallel and Distributed Database Systems: PR: COP 4506. Designing and implementing parallel database techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. Occasional.


COT 3960 ECS-CS 3(1,0) CS Foundation and Analytical PR: COP 3502C and COT 3100C. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper-division courses 4000 and 5000 level CS electives. Graded S/U. Fall, Spring.

COT 4210 ECS-CS 3(3,0) Discrete Structures II: PR: COP 3503C and COT 3960. Computation Theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. Fall, Spring.


COT 4810 ECS-CS 3(3,0) Topics in Computer Science: PR: COP 3402 and COP 3503C and COT 3960. A range of topics from the field of Computer Science: application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5310 ECS-CS 3(3,0) Formal Languages and Automata Theory: PR: COP 4200 and COT 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(1) grammars. Fall, Spring.


COT 3103 COS-POLS 3(3,0) Comparative Politics: PR: POS 2041 or C.I. Government and politics in selected nations, with emphasis upon contemporary analysis of political, economic, social, and cultural phenomena in Europe. Fall, Spring.

COT 3104 COS-POLS 3(3,0) Politics of Western Europe: PR: POS 2041 or C.I. An examination of the historical and economic dynamics of Western Europe in the post-1945 era. Odd Spring.

COT 3132 COS-POLS 3(3,0) Canadian Studies: A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.

COT 3403 COS-POLS 3(3,0) Politics of the Middle East: PR: POS 2041 or C.I. An examination of the dynamic of Middle East politics, including both regional and international dimensions. Even Fall, Spring.

COT 3403H COS-POLS 3(3,0) Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content. Occasional.

COT 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.

COT 4047 COS-POLS 3(3,0) Politics of the NAFTA Region: PR: POS 2041 or C.I. Comparative analysis of the political and economic dynamics of the NAFTA region, analyzing important political and socio-economic issues. Occasional.


COT 4074 COS-POLS 3(3,0) Political Economy: PR: Junior standing or C.I. Theories of economic development, political systems and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.

COT 4100 COS-POLS 3(3,0) Politics of the European Union: PR: POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.

COT 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.

COT 4303 COS-POLS 3(3,0) Comparative Latin American Politics: PR: POS 2041, and Junior standing or C.I. Theories of the formation, structure, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.

COT 4445 COS-POLS 3(3,0) Comparative Political Parties: PR: POS 2041, and Junior standing or C.I. Theories of the formation, structure, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.

COT 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 C.P 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 and Comparative Politics: PR: Junior standing or C.I. A cross-national perspective on women and 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 or C.I. Comparative political institutions, how 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. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. Occasional.

CPO 4794 COS-POLS 3(3,0) Indigenous Politics and Environmental PR: POS 2041 or C.I. Unique environmental politics specific to indigenous peoples around the world. Occasional.

CPO 5334 COS-POLS 3(3,0) Contemporary Political Institutions of the Mayan Region: PR: Graduate status or junior standing or C.I. Analysis of issues affecting all peoples living in the contemporary Mayan region of southern Mexico, Belize, Guatemala, and El Salvador. Occasional.

CRW 3010H CAH-ENG 3(3,0) Honors Creative Writing: PR: Honors GEP completion and permission of Honors. Theory and techniques of literary genres with honors credit level, 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. Only open to non-majors. The techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. Fall, Spring.

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 3014 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 3063, 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.
DIG 4232C CAH-SVAD 3(1,4)
Modeling for Visual Language: PR: DIG 4204C, success-
full portfolio review, or C.I. Techniques of technol-
ogy, light, shading, rendering. Project oriented. Spring.

DIG 4234C CAH-SVAD 3(2,2)
Modeling for Realtime Systems II: PR: DIG 4765C and DIG 3490C. Interactive design and animation, tex-
ture, lighting, rendering. Project oriented. Fall.

DIG 4235C CAH-SVAD 3(1,4)
Look Modeling Workshop: PR: DIG 4204C, suc-
cessful portfolio review, or C.I. Techniques of technol-
ogy, light, shading, rendering. Project oriented. Fall.

DIG 4236C CAH-SVAD 3(1,4)
Geometrical Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques and
mechanics of designing and manipulating geometrical rep-
resentations of artificial characters and their environments;
introduction to procedural models. Spring.

DIG 4234C CAH-SVAD 3(1,4)
Advanced 3D Animation: PR: DIG 4232C, suc-
cessful portfolio review, or C.I. Advanced tools, concepts
and techniques developed in the previous 3D animation
courses. Students apply techniques to 3D character anima-
tion. Spring.

DIG 4235C CAH-SVAD 3(1,4)
Artificial Environments and Effects Workshop: PR: DIG 3355C and successful portfolio review,
or C.I. Techniques and mechanics of artificial envi-
ronments, with emphasis on compositing, image process-
ing, visual style, visual continuity. Spring.

DIG 4236C CAH-SVAD 3(1,4)
Artificial Characters Workshop: PR: DIG 3362C 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 4237C CAH-SVAD 3(1,4)
3D Textures: PR: DIG 4399C, successful portfolio review,
or C.I. Advanced application of digital character modeling
within the 3D animation context, focusing on advancing a
narrative and evoking emotion. Spring.

DIG 4234C CAH-SVAD 3(1,4)
Narrative Techniques in the Moving Image: PR: DIG 4451C, successful portfolio review, or C.I. Advanced
application of techniques in Visual Language employed
in story production, focusing on advancing a nar-
native and evoking emotion. Spring.

DIG 4245C CAH-SVAD 3(3,0)
Interactive Performance II: PR: DIG 3450C or C.I.
Continuation of Interactive Performance I, with focus on the
integration of actors, audience participation, technology, and
story structure. Spring.

DIG 4246C CAH-SVAD 3(1,4)
Visual Language of Moving Image II: PR: DIG 3433C, successful portfolio review, or C.I. Application of
techniques taught to design, create, and refine visual devel-
ment, story board, story reel, character design, and ani-
mation that expresses a narrative for digital production. Fall.

DIG 4503 CAH-SVAD 3(3,0)
Rapid Application Web Development: PR: DIG 3144C and DIG 3716C. Asynchronous web development
using current server-side and client-side scripting tech-
niques and database technologies. Fall, Spring.

DIG 4522 CAH-SVAD 3(3,0)
Digital Media Service: PR: DIG 3055C. Practicum in
which students utilize their digital media skills to create
media rich products. May be used in the degree program a
maximum of 4 times. Fall, Spring.

DIG 4523L CAH-SVAD 1(0,3)
Digital Media Service III: PR: DIG 4522L and a mini-
gram grade of "B" (3.0) or better in DIG 2000. Participa-
tion 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-SVAD 3(0,3)
Digital Media Project I: PR: DIG 3525 and a mini-
gram grade of "B" (3.0) or better in DIG 2000. Multidis-
ciplinary 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-SVAD 3(3,0)
Digital Media Production II: PR: DIG 3526 and a mini-
gram 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-SVAD 3(0,0)
Digital Media Project II: PR: DIG 4524L and a mini-
gram grade of "B" (3.0) or better in DIG 2000. Continuation
of IDS 4852. Odd Fall, Even Spring.

DIG 4530C CAH-SVAD 3(2,2)
Media for e-Commerce: PR: DIG 3144C and DIG
3716C. The applications of converging web-based internet
programming languages and media theory to e-commerce, internet
security, and online portals. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4)
Digital Production in Artificial Environments: PR: DIG
3433C, successful portfolio review, or C.I. Application of
techniques to continue building artificial environments and
effects, addressing lighting, continuity, movement, theme and
tone to help express a narrative for digital production. Fall.

DIG 4630C CAH-SVAD 3(2,2)
business practices for working with interactive web sites and
other media interfaces. Covers skills related to e-commerce
and other forms of digital media. Fall, Spring.

DIG 4645 ECS-CS 3(3,0)
Digital Media: PR: CCP 3505C or C.I. Information
structures, algorithms and interactive tools for creation,
compression, storage, indexing and transmission of multi-
media (visual images, sound, tactile displays, etc.) Project-
oriented. Occasional.

DIG 4693C CAH-SVAD 3(2,2)
Production Software Workshop: PR: DIG 3144C or C.I.
Advanced programming techniques for a variety of
web-based applications using ActionScript, including
dynamic and input text, variables, physics, artificial intel-
ligence, collision detection, user interaction, and animation.
Spring.

DIG 4704 CAH-SVAD 3(3,0)
Interactive Entertainment: PR: DIG 3526 and C.I. Ways
to apply diverse skills of film making to digital media,
non-linear story telling, virtual reality, video games and non-
traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-SVAD 3(3,0)
Game Design: PR: DIG 3024 and DIG 3525. Principles
and theories of video game design, including software,
content, interaction, and game play design. Project based. Fall,
Spring.

DIG 4715C CAH-SVAD 3(2,2)
Game Production: PR: A minimum grade of "B" (3.0)
in Cornerstone and a satisfactory portfolio review. Principles
and theories of video game production, including project
planning, scripting, 3D modeling and texturing, level design,
and audio. Project based. Fall, Spring.

DIG 4720C CAH-SVAD 3(2,2)
Casual Game Production: PR: DIG 2504C, a minimum
grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Principles
and theories of video game production, including project
planning, scripting, 3D modeling and texturing, level design,
and audio. Project based. Fall, Spring.

DIG 4725C CAH-SVAD 3(2,2)
Game Design Workshop: PR: DIG 4715C, FIL
3702C, a minimum grade of "B" (3.0) in DIG 4713 and a
satisfactory portfolio review. Students will learn to design
and implement casual video games using professional tools and
iterative design techniques. May be used in the degree
program a maximum of 4 times. Fall, Spring.

DIG 4770 ECS-CS 3(0,0)
Building Virtual Worlds: PR: COP 3505C or C.I.
Design and construction of software for networked interac-
tive learning environments, entertainment and communi-
cation systems. Tools for creating dramatic, artistic and
technical creativity. Project oriented. Occasional.

DIG 4780C CAH-SVAD 3(2,2)
Modeling for Realtime Systems: PR: DIG 2104C and a minimum grade of "B" (3.0) in DIG 4700. 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-SVAD 3(3,0)
Converging Media Capstone: PR: GEB 3031 and
12 hours of restrictive electives within the Visual Arts
and Emerging Media Management Track. Team based con-
verging media projects leading to a capstone project that
emphasizes creative thinking, prototyping, development,
marketing and assessment paralleling the business world. Even
Fall, Even Spring. M&S fee $45.00.

DIG 5045C CAH-SVAD 3(1,3)
Principles of Interactive Entertainment I: PR:
Admission to Digital Media MS program or C.I. Interactive
digital content creation technologies and development
processes. Fall.

DIG 5046C CAH-SVAD 3(1,3)
Principles of Interactive Entertainment II: PR:
DIG 5045C or C.I. Advanced principles of interactive
digital content creation technologies and development
processes. Fall.

DIG 5137 CAH-SVAD 3(3,0)
Creating Interactive Characters: PR: Admission to
Digital Media MS or C.I. Survey of issues related to creat-
ing interactive characters. Topics will range from modeling
to human to reviewing realistic human capabilities. Graded
S/U. Fall, Spring.

DIG 5131 CAH-SVAD 3(3,0)
Principles of Visual Language: PR: Film and digital
media majors or C.I. Overview of Visual Language, includ-
ing the nature of perceptions and cognitions of imagery. Fall,
Spring.

DIG 5259C CAH-SVAD 3(1,3)
Production for Media: PR: Admission to Digital
Media MS program or C.I. Theories and practices of produc-
tion processes for interactive entertainment. Fall.

DIG 5348C CAH-SVAD 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-SVAD 3(1,3)
Rapid Prototype Production II: PR: DIG 5548C or C.I.
Students engage in interdisciplinary teams to create
advanced rapid development projects. Fall.
### 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>ECO 3411</td>
<td>Economic Analysis</td>
<td>4(4,0)</td>
<td>Quantitative Business Tools II: PR: Junior standing and business major or minor. ECO 2013, ECO 2023, and ECO 3401. The use of statistical methods as scientific tools in the analysis of economics and business problems. Fall, Spring.</td>
</tr>
<tr>
<td>ECO 3411H</td>
<td>Honors: Quantitative Business Tools II</td>
<td>3(3,0)</td>
<td>Honors. Same as ECO 3411 with Honors level content. Occasional.</td>
</tr>
<tr>
<td>ECO 3703</td>
<td>International Microeconomics</td>
<td>3(3,0)</td>
<td>Fundamental principles of Classical and Neoclassical international trade theories, as well as trade’s impact on global resources, and the impact of trade on the developing world. Trade policy both in theory and practice is also examined. Fall.</td>
</tr>
<tr>
<td>ECO 3704</td>
<td>Global Economic Policy</td>
<td>3(3,0)</td>
<td>An introduction to the global economy, its current economic problems and the different policy perspectives and their impact. Spring.</td>
</tr>
<tr>
<td>ECO 4303</td>
<td>History of Economic Thought</td>
<td>3(3,0)</td>
<td>A study of the principal ideas of the major contributors to the development of economic thought. Occasional.</td>
</tr>
<tr>
<td>ECO 4412</td>
<td>Econometrics</td>
<td>3(3,0)</td>
<td>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. Fall.</td>
</tr>
<tr>
<td>ECO 4541</td>
<td>Research Methods in Economics</td>
<td>3(3,0)</td>
<td>PR: ECO 3101, ECO 3203 and ECO 3411. Skills in data collection and creation, data analysis, and research presentation. Fall, Spring.</td>
</tr>
<tr>
<td>ECO 4504</td>
<td>Public Economics</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ECO 4713</td>
<td>International Macroeconomics</td>
<td>3(3,0)</td>
<td>PR: ECO 3101 or ECO 3203 or ECO 3223. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. Occasional.</td>
</tr>
<tr>
<td>ECO 4751</td>
<td>Law and Economics</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ECO 4941</td>
<td>Economics Internship</td>
<td>3(3,0)</td>
<td>PR: Consent of department chair, ECO 3101, and ECO 3203. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. May be used in the degree program a maximum of 1 times. Occasional.</td>
</tr>
<tr>
<td>ECO 5005</td>
<td>Economic Concepts</td>
<td>3(3,0)</td>
<td>PR: Acceptance into the graduate program. Introduction to micro and macro economic analysis. Occasional.</td>
</tr>
<tr>
<td>ECP 3003</td>
<td>Seminar on Current Economic Topics</td>
<td>3(3,0)</td>
<td>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 times. Occasional.</td>
</tr>
<tr>
<td>ECP 3006</td>
<td>Economics of Sports</td>
<td>3(3,0)</td>
<td>PR: ECO 2023. Microeconomics is used to evaluate and analyze the business and practice of sports including the structure and conduct of sports leagues, revenue sharing and other forms of cooperation, labor markets and compensation for professional athletes, public financing of sport facilities, and sports in the not-for-profit sector. Fall.</td>
</tr>
</tbody>
</table>
ECW 3312 ED-E&HS  3(3,0) Course Construction in Health Occupations Education: ECF 3305 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

ECW 3565 ED-E&HS  3(3,0) Special Populations in Career & Technical Education: PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. Spring.

ECW 5207 ED-E&HS  2-4(2-4) Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

ECW 5265 ED-E&HS  2-4(2-4) Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

ECW 5567 ED-E&HS  2-3(2-3) Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. Occasional.

EDE 3942 ED-TL&L  3(3,0) Internship I: PR: EDG 4410, RED 3012, RED 4519, MAE 2801, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 4223 ED-TL&L  3(3,0) Integrative 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&F fee $10.00

EDE 4943 ED-TL&L  7-12(3,35) Internship II (Elementary): PR: EDE 3942. Student teaching in an elementary school under the supervision of a certified classroom teacher. Scheduled concurrent seminars. Graded U/CR. Fall, Spring.

EDE 4945 ED-TL&L  1(1) Internship II Seminar: PR: All required program courses; CR: EDE 4943 Internship II. Culminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDF 1942 ED-TL&L  3(3,0) Introduction to Educational Internship: Introduction to educational internship with selected partner institutions. Occasional.

EDF 2005 ED-TL&L  3(3,0) Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDF 2085 ED-TL&L  3(3,0) Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.

EDF 2130 ED-TL&L  3(3,0) Child and Adolescent Development for Educators: PR: Consent of Honors. Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDF 2250 ED-TL&L  3(3,0) Classroom Management for Substitute Teachers: PR: EDF 2005, EDF 2085, EME 2040, or C.I. The role of education in children’s lives through the analysis of legal, ethical and safety concerns. Fall, Spring.


EDF 3120 ED-TL&L  3(3,0) Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.


EDF 3601 ED-TL&L  3(3,0) Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDF 3740 ED-TL&L  3(3,0) Foundations of Early Childhood Education: PR: Admission to the program. Overview of Early Childhood Education and services for young children and families. Includes historical, philosophical, and sociological perspectives; learning theories as related to early childhood. Fall, Spring.

EDF 4214 ED-TL&L  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.

EDF 4466 ED-E&HS  3(3,0) Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.


EDF 4503 ED-TL&L  3(3,0) Analysis and Application of Ethical, Legal and Safety Issues in Schools: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 4603H ED-TL&L  3(3,0) 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, and cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall, Spring.

EDF 5245 ED-TL&L  3(3,0) Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. Occasional.

EDF 5607 ED-TL&L  3(3,0) Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1005 ED-TL&L  2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-TL&L  3(3,0) Teaching Strategies for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EDG 4323 ED-TL&L  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 instruction for diverse student populations. Fall, Spring.

EDG 4410 ED-TL&L  3(0) Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EDG 4941 ED-TL&L  1-8(0,1-8) Directed Field Experience: PR: Approval of Professional Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 ED-TL&L  3(3,0) Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.

EDG 4954 ED-TL&L  3(3,0) Developing Int’l Education Perspectives: Field Experiences in European Schools: PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program in Europe. Students gain insights into global and local education issues through in-school experiences. Occasional.

EDG 5745 ED-TL&L  3(0) Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. Occasional.

EDG 5941 ED-TL&L  2-4(0,11) Clinical Practice: PR: Admission to STEP I, II or IV. Clinical internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDH 5306 ECS-MMAE  1(1,0) Teaching Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover basic teaching pedagogy to help engineering students become better TA’s and help students deliver better technical presentations. Occasional.

EDS 5356 ED-TL&L  3(2,1) Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.
Children:

EEC 3214 ED-TL&L 3(3,0)

EEC 3613 ED-CFCS 3(3,0)

EEC 3700 ED-CFCS 3(3,0)
Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. Occasional.

EEC 3940 ED-CFCS 3(0,3)
Integration Internship I: PR: Senior Status; RED 4301 or RED 4310. Field-based placement in which the students will have supervised practice integrating course content areas. Occasional.

EEC 4207 ED-CFCS 3(3,0)

EEC 4235C ED-CFCS 3(2,1)

EEC 4266 ED-CFCS 3(3,0)
Early Intervention: Provides an overview of development assessment, and intervention with at-risk and handicapped infants and toddlers. Occasional.

EEC 4268 ED-CFCS 3(3,0)

EEC 4303 ED-CFCS 3(3,0)
Planning Creative Activities in Early Childhood Education: PR: Admission to Early Childhood Education and Program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hand-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

EEC 4402 ED-CFCS 3(3,0)
Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EEC 4414 ED-CFCS 3(3,0)
Parent-Child Relations: PR: EEC 3700; EEC 4661; RED 3310; EEX 4751; LN 3716; or C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stage, family structure, ethnic and cultural factors on parenting. Fall, Spring.

EEC 4524 ED-CFCS 3(3,0)
Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

EEC 4528 ED-CFCS 3(3,0)
Infant/Toddler Care and Education: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.

EEC 4604 ED-CFCS 3(3,0)

EEC 4661 ED-CFCS 3(3,0)

EEC 4731 ED-CFCS 3(3,0)
Health, Safety, and Nutrition for Young Children: Health and safety issues in early education (0-8). Protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.

EEC 4744 ED-CFCS 3(3,0)

EEC 4936 ED-CFCS 2(2,0)

EEC 4940 ED-CFCS 12(0,12)
Practicum: Early Childhood Development: PR: Must have completed all course work. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and agencies. Graded S/U. Fall, Spring.

EEC 4943 ED-CFCS 12(0,12)
Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

EEC 5205 ED-CFCS 3(3,0)
Programs and Trends in Early Childhood Education: PR: Regular Certificate or C.I. Philosophy, content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experiences. Occasional.

EEC 5206 ED-CFCS 3(3,0)
Organization of Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health, physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. Spring.

EEC 5208 ED-CFCS 3(3,0)
Creative Activities in Early Childhood: PR: Regular certificate or C.I. Organization of instruction and methods for creative activities involving music, art, literature and educational toys, integration of activities, and basic skills curriculum (K-3). Concurrent laboratory experience. Even Fall.

EEC 5745 ED-CFCS 3(3,0)
Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. Spring.

EEE 3307C ECS-ECE 4(3,3)
Electronics I: PR: EEL 3123C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee $15.00

EEE 3342C ECS-ECE 3(2,3)
Digital Systems: PR: MAC 2311, MAC 2312, PHY 2049C, PHY 2049G all with a "C" (2.0) or better grade. Combinational and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. Fall, Spring. M&S fee $39.00

EEE 3350 ECS-ECE 3(3,0)
Semiconductor Devices I: PR: EEL 3304 and PHY 3101. Semiconductor device physics, energy band diagrams, electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.

EEE 4309C ECS-ECE 4(3,3)
Electronics II: PR: EEE 3307C, EEE 3342C, Ideal Op-Amps and applications. Introduction to Logic Circuits; Bipolar, MOS and CMOS families; Flip-flops and memory cells, comparators and timing circuits. A/D and D/A converters. Fall, Spring. M&S fee $20.00

EEE 4314 ECS-ECE 3(3,0)

EEE 4463 ECS-ECE 3(3,0)
MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumention and applications. Fall.

EEE 5322C ECS-ECE 3(2,1)
Thin Film Technology: PR: EEE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee $70.00

EEE 5352 ECS-ECE 3(3,0)

EEE 5353 ECS-ECE 3(3,0)
Semiconductor Device Modeling and Simulation: PR: EEE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5356C ECS-ECE 4(3,3)
Fabrication of Solid-State Devices: PR: EEE 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. Fall, Spring. M&S fee $70.00

EEE 5370 ECS-ECE 3(3,0)

EEE 5378 ECS-ECE 3(3,0)
CMOS Analog and Digital Circuit Design: PR: EEE 4309C. Advanced principles and design techniques for CMOS and BiCMOS including measured published results. Fall.

EEE 5390 ECS-ECE 3(3,0)
Full-Custom VLSI Design: PR: EEE 3342C, EEE 3307C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation; verification. Spring.

EEE 5304 ECS-ECE 3(3,0)
Electronic Networks: PR: MAC 2311, MAC 2312, MAC 2313, PHY 2049C, PHY 2049G all with a "C" (2.0) or better grade. CR: MAP 2302. Analysis and design of linear circuits, transients, ac analysis, power calculations, three-phase circuits, Laplace transform. Fall, Spring.

EEE 5352 ECS-ECE 3(3,0)
Semiconductor Device Modeling and Simulation: PR: EEE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.
UCF Courses and Descriptions

EEL 5439C ECS-ECE 3(2,1)
RF and Microwave Communications: PR: EEL 439C or equivalent. RF and microwave active circuits, microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. Occasional. M&S fee $40.00

EEL 5462C ECS-ECE 3(3,1)
Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipole, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall.

EEL 5513 ECS-ECE 3(3,0)

EEL 5517 ECS-ECE 3(3,0)
Surface Acoustic Wave Devices and Systems: PR: EEL 3525C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. Occasional.

EEL 5542 ECS-ECE 3(3,0)

EEL 5547 ECS-ECE 3(3,0)

EEL 5601 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 field. Fall, Spring.

EEL 5620 ECS-ECE 3(3,0)

EEL 5669 ECS-ECE 3(3,0)
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 5690 ECS-ECE 3(3,0)
Introduction to Medical Robotics and Tele-Operation: PR: EEL 3657 or Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematics, constrained workspace and dexterity, haptics, tele-operation and network based control, basics of laparoscopic surgery. Occasional.

EEL 5704 ECS-ECE 3(3,0)

EEL 5722C ECS-ECE 3(3,1)
Field-Programmable Gate Array (FPGA) Design: PR: EEE 3342C or C.I. FPGA architectures, design flow, technology mapping, placement, routing, reconfiguration of computing applications, and evolvable hardware. Even Fall.

EEL 5771C ECS-ECE 3(2,3)

EEL 5780 ECS-ECE 3(3,0)
Wireless Networks: PR: EEL 4781 or C.I. The wireless networking topics include: cellular networks, multiple access protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). Even Spring.

EEL 5820 ECS-ECE 3(3,0)
Image Processing: PR: MAP 2302, 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 3420 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 5869 ECS-ECE 3(3,0)

EEL 5874 ECS-ECE 3(3,0)
Expert Systems and Knowledge Engineering: PR: EEL 4672 or CAP 4630 C.I. Introduction to expert systems in engineering, expert systems tools and interviewing techniques. This course is hands-on and project oriented. Spring.

EEL 5881 ECS-ECE 3(3,0)
Software Engineering I: PR: COP 4331C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, Spring.

EEL 5892 ECS-ECE 3(3,0)

EEL 5936 ECS-ECE 0(1,0)
Current Topics in EECs: PR: Open to all ECE graduate students. Lectures presented by ECE and national experts to keep students informed and up to date with the latest research findings. Fall, Spring.

EES 4111 ECE-ECE 3(3,3)
Biological Process Control: PR: EEL 3001 with a grade of "C" (2.0) or better; CR: ENV 4531. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bioremediation and wastewater treatment, and others. Spring. M&S fee $50.00

EES 4202C ECS-CECE 4(3,3)
Chemical Process Control: PR: ENV 3001 with a grade of "C" (2.0) or better. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall. M&S fee $60.00

EES 5318 ECS-CECE 3(3,0)
Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of the relationship 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-CECE 3(3,0)

EEX 2010 ED-CFCS 3(3,0)
Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall, Spring.

EEX 2090 ED-CFCS 3(3,0)
Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EEX 2758 ED-CFCS 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.

EEX 3102 ED-CFCS 3(3,0)

EEX 3221 ED-CFCS 3(3,0)
Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. Fall, Spring.

EEX 3241 ED-CFCS 3(3,0)

EEX 3243 ED-CFCS 3(3,1)
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. Fall.

EEX 3450 ED-CFCS 3(3,0)
Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

EEX 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.

EEX 3861 ED-CFCS 6(0,16)

EEX 3942 ED-CFCS 3(3,0)

EEX 4054 ED-CFCS 2(2,0)

EEX 4066 ED-CFCS 3(3,0)

EEX 4070 ED-CFCS 3(3,0)
and maintaining appropriate behaviors of exceptional students. Fall, Spring.

EEX 4401 ED-CFCF 3(3,0)
Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors of exceptional students. Fall, Spring.

EEX 4751 ED-CFCF 3(3,0)
Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child’s education. Occasional.

EEX 4753 ED-CFCF 3(3,0)
Parent/professional Collaboration: The special educator’s role in working with families, regular educators, and other professionals in a collaborative relationship. Fall.

EEX 4757 ED-CFCF 3(3,0)
Respite Care: PR: Junior Standing or C.I. General knowledge of best practices in the field of temporary care; the nature and needs of care givers and care recipients, including special populations. Fall, Spring.

EEX 4763 ED-CFCF 3(3,0)
Technology for Classroom Teachers of Students with Special Needs: With Special Emphasis: PR: EEX 3241, RED 3012, LAE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

EEX 4943 ED-CFCF 12(0,35)
Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. May be repeated for credit. Graded S/U. Occasional.

EEX 5051 ED-CFCF 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.

EEX 5702 ED-CFCF 3(3,0)

EEX 5750 ED-CFCF 3(3,0)
Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGM 3601 ECS-MMAE 3(0,0)
Solid Mechanics: PR: EGN 3310 or “C” (2.0) or better in the following MAC 2313, MAT 2312, MAC 2311, 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.

EGM 3601L ECS-MMAE 2(0,3)
Solid Mechanics Lab: PR: EGM 3601. Solid Mechanics Laboratory experiments covering topics such as tension/compression testing, torsion testing, strain gage measurements, buckling tests, beam bending/deflection testing. Fall, Spring. M&S fee $45.00

EGN 1006C ECS-ECS 1(1,2)
Introduction to the Engineering Profession: PR: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines. Fall.

EGN 1007C ECS-ECS 1(1,2)
Engineering Concepts and Methods: PR: EGN 1006C or “C” (2.0) or better in the use of computer and applications software in solving engineering problems. Introduction to the concepts of engineering design through the use of teams: engineering communication, engineering professionalism and ethics. Spring.

EGN 1036C ECS-EIMS 21(1,1)
Foundations of Learning Environments: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EGN 1050C ECS-ECS 2(2,2)

EGN 1360 ECS-MMAE 3(3,0)
Materials in Today’s World: A survey of the properties, manufacture, and uses of metals, ceramics, and polymers in today’s world with emphasis on modern developments and new materials. Occasional.

EGN 2815C ECS-MMAE 3(2,3)

EGN 2920C ECS-EIMS 2(1,1)
LEAD Colloquium: PR: C.I.; LEAD Scholars Program. Must have completed at least two of the following with a grade of B or better, IDS 1040C, GEB 1091C, EGN 1036C, EG 190SC or HSC 1901C. Provides experiential leadership experience in an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. Occasional.

EGN 3060C ECS-ECS 2(2,3)
Introduction to Robotics: PR: Engineering majors take COP 2233 and STA 2432; Computer Science majors take COP 3300 and COP 3500C. Theory of perception, planning, and control. Implemented software for a complete robotic system. Fall.

EGN 3211 ECS-ECE 3(3,0)

EGN 3310 ECS-ECE 3(3,0)
Engineering Analysis-Statistics: PR: MAC 2311, PHY 2048C both with a grade of “C” (2.0) or better; CR: MAC 2312. Fundamental concepts of mechanics, including resultant of forces, free-body diagrams, equilibrium of rigid bodies, and analysis of structures. Fall, Spring.

EGN 3310H ECS-ECE 3(3,0)
Engineering Analysis-Statistics (Honors): PR: Permission of Honors and MAC 2311, PHY 2048C both with grades of “C” (2.0) or better; CR: MAC 2312. Advanced treatment of material and additional topics, including project work. With Honors content. Fall, Spring.

EGN 3321 ECS-MMAE 3(3,0)
Engineering Analysis-Dynamics: PR: EGN 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EGN 3321H ECS-MMAE 3(3,0)
Engineering Analysis - Dynamics Honors: PR: Permission of Honors and EGN 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.

EGN 3331 ECS-ECE 3(3,0)
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EGN 4624 ECS-IEMS 3(3,0)
Engineering Administration: PR: Senior standing. Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R and D planning; ethics in professional practice. Fall, Spring.

EGN 4641C ECS-ECS 3(2,2)
Engineering Entrepreneurship: PR: Senior standing. PR: EGN 4142 or C.I. All aspects of a successful engineering entrepreneurship enterprise. Content includes lectures, case studies, and seminars. Active student participation. Course material is augmented through seminars given by engineers, business people, and specialists, based on their own experiences. Occasional.

EGN 4706C ECS-MMAE 3(2,2)
Small Satellite Payloads and Integration: PR: EML 3300C OR EAS 3800C OR EEL 3801C OR ESI 4526C. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional. M&S fee $45.00

EGN 4707C ECS-MMAE 3(2,4)
Processing Space-Launch Systems: PR: For ECG 3500C or EEL 4742C; For IMS: ESI 4626C. 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.

EGN 4824 ECS-ECS 3(3,0)
Environmental Science: Investigation of available energy forms, energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

EGN 4921C ECS-IEMS 2(2,1)
Interdisciplinary Research and Development I: PR: Junior standing. Engineering or Computer Science major. Research and methodology seminar. Topics to include: intellectual property, patents, global R&D, dissemination of findings. Seminar presentations by guest research lecturers. Occasional.

EGN 4922C ECS-IEMS 2(1,1)
Interdisciplinary Research and Development II: PR: EGN 4921C. Continuation of EGN 4921C. Occasional.

EGN 4931H ECS-ECS 3(3,0)
Engineering Honors Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.

EGN 4933C ECS-ECS 1(1,1)
Professional Practice I: PR: Junior standing in engineering or computer science. Contemporary global technical issues, professional development, lifelong learning, and ethical responsibilities. Community service and/or community outreach projects required. Occasional.

EGN 4934C ECS-ECS 2(1,2)
Professional Practice II: PR: EGN 4933C. Continuation of EGN 4933C. Occasional.

EGN 5035 ECS-ECS 3(3,0)
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.

EGN 5720 ECS-ECS 3(2,3)
Internal Combustion Engine Analysis and Optimization: PR: EGN 3343 or EGN 3358 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. Even Fall, Even Spring. M&S fee $45.00

EGN 5840 ECS-MMAE 3(3,0)
Small Rocket Applications for Teachers: PR: Admissions Office. Teacher module: UCF Teaching Academy. Earth and space environments, rocket propulsion, meteorological and environmental measurements, payload launch procedures, orbits and trajectories, safety, model rocket experiments, field trips, student science experiments. Occasional.

EGN 5855C ECS-IEMS 3(2,2)
Metrology: PR: EIN 4391C or C.I. Advanced topics in inspection and measurement with applications in engineering and manufacturing. Occasional.

EGN 5855C ECS-IEMS 3(2,1)
Prototyping and Product Realization: PR: Basic knowledge of CAD/CAM technology, C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications, and practices of rapid prototyping and reverse engineering technologies. Spring. M&S fee $50.00

EIN 3001 ECS-IEMS 3(3,0)
Introduction to Industrial Engineering and Management Systems: PR: MAC 2311 and Sophomore standing or C.I. Issues important to the operation of an industrial or service facility. Fall.

EIN 3314 ECS-IEMS 3(3,0)
Work Analysis and Machine Design: PR: STA 3032 or C.I. Introduction to lean six sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.

EIN 3354 ECS-IEMS 3(3,0)
Principles of Cost Engineering: PR: EIN 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.

EIN 4191C ECS-IEMS 2(2,2)
Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intraperusal to interpersonal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-IEMS 2(2,2)
Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

EIN 4214 ECS-IEMS 3(3,0)

EIN 4243C ECS-IEMS 3(2,2)
Human Engineering: PR: STA 3032 or C.I. Man/machine systems; design and conduct of human engineering studies. Spring.

EIN 4333 ECS-IEMS 3(3,0)
Production and Distribution Systems: PR: ESI 4528 or C.I. Decision-making in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.

EIN 4364 ECS-IEMS 3(3,0)
Facilities Planning: PR: EIN 3314, EIN 3354, ESI 4523C; CR: EIN 4333, EIN 4391 or C.I. Design and planning of production systems including interrelationships between process layouts, material handling, warehousing and site selection. Spring. M&S fee $20.00

EIN 4391 ECS-IEMS 3(3,0)
Manufacturing Engineering: PR: CHM 2045C or CHS 1440 and Junior Standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring.

EIN 4458 ECS-IEMS 3(3,0)
Principles of Concurrent Engineering: PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. Even Spring.

EIN 4516C ECS-IEMS 3(2,2)
Systems Analysis and Design: PR: ESI 4523C, EIN 4384 or C.I. Systems analysis methodology, system requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of senior design projects. Fall.

EIN 4517 ECS-IEMS 3(3,0)
Systems Engineering: PR: STA 3032 or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Fall.

EIN 4545 ECS-IEMS 3(3,0)
Industrial Engineering Applications In The Service Industries: PR: EIN 3314, ESI 4312; C.I. ESI 4234 or C.I. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.

EIN 4621C ECS-IEMS 3(2,2)

EIN 4891C ECS-IEMS 3(2,3)
Industrial Engineering Senior Design Project: PR: EIN 4516C. Senior standing. Capstone design course; application of IEMS techniques to real-world design applications. Spring.

EIN 5108 ECS-IEMS 3(3,0)
The Environment of Technical Organizations: PR: Graduate status or C.I. EGN 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117 ECS-IEMS 3(3,0)
Management Information Systems I: PR: C.I. The design and implementation of computer-based management information systems. Content is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140 ECS-IEMS 3(3,0)
Project Engineering: PR: Graduate standing of 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 design and engineering of industrial tools, equipments, and workstations. Fall.

EIN 5251 ECS-IEMS 3(3,0)
Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and story-board evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Occasional.

EIN 5255C ECS-IEMS 3(2,2)
Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. Fall, Spring.

EIN 5317 ECS-IEMS 3(3,0)
Training System Design: PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manipulator, personnel, and training considerations will be examined. Fall.

EIN 5346 ECS-IEMS 3(3,0)
Engineering Logistics: Study of the logistcs life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356 ECS-IEMS 3(3,0)
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Spring.

EIN 5388 ECS-EMAE 3(3,0) Forecasting: PR: ESI 5210. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.


EIN 5607C ECS-EMAE 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 programming, machine and system control. Odd Spring. M&S fee $45.00.

EIN 5936 ECS-EMAE 1(1,0) Seminar in Industrial Engineering: Doctoral Research: PR: Consent of instructor. 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) Intro 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 4242 ED-CFCS 3(3,0) Program Planning for Specific Learning Disabilities: PR: Senior standing. Development of highly specialized techniques, curriculum materials, to be used with students with special learning disabilities. Occasional.


EMA 3124 ECS-EMAE 3(3,0) Design and Selection of Materials: PR: EGN 3865, or EMA 3705. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691 ECS-EMAE 3(3,0) Nanomaterials Process Engineering: PR: CHS 3140 or OCH 2045C, and PHY 2048 or PHY 2045C and EGN 3365. Nanomaterials, processing, nanomanufacturing, nanocomposition, nanocomposites and computations of devices. Occasional.

EMA 3706 ECS-EMAE 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-EMAE 3(3,0) Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3365 or EMA 3706; and a "C" (2.0) or better in all of the following: CHS 1440 or CHM 2045C, MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first and second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.


EMA 4503 ECS-EMAE 3(3,0) Materials Characterization Techniques: PR: EGN 3365, or EMA 3706. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. Occasional.

EMA 4506 ECS-EMAE 3(3,0) Emerging Materials: PR: EGN 3605, or EMA 3706. Structure, properties and processing of modern emerging materials. Occasional.


EMA 5060 ECS-EMAE 3(3,0) Polymer Science and Engineering: PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.


EMA 5108 ECS-EMAE 3(3,0) Surface Science: PR: PHY 2049C and C.I. Methods of characterization and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopic utilizing electron, ion and photon probes. Occasional.

EMA 5140 ECS-EMAE 3(3,0) Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


EMA 5415 ECS-EMAE 3(3,0) Electronic Principles of Materials Properties: PR: EGN 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.

EMA 5504 ECS-EMAE 3(3,0) Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMA 5505 ECS-EMAE 3(3,0) Scanning Electron Microscopy: PR: EMA 5104 or C.I. A review of electron optics, beam/specimen interactions, image formation, X-ray analysis, specimen preparation, microelectronic applications and cryolithography in the SEM. Occasional.

EMA 5517 ECS-EMAE 3(3,0) Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5004 or C.I. Principle of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and RutherfordBackscattering spectrometry. May be repeated for credit. Occasional.


EMA 5585 ECS-EMAE 3(3,0) Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EMA 5586 ECS-EMAE 3(3,0) Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaics, structures, homojunction, heterojunction, and surface barrier solar cells, AM1.5-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


EMA 5588 ECS-EMAE 3(3,0) Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostructured biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.
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EME 5160 ECS-MMAE 3(3,0)

EMA 5705 ECS-MMAE 3(3,0)
High Temperature Materials: PR: EMA 5104 or C/I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

EME 2040 ED-TL&L 3(3,0)
Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring. M&S fee $1.00

EME 2041 ED-TL&L 3(3,0)
Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EME 4312 ED-TL&L 3(3,0)
Applications of Technology in Education: Classroom applications of instructional media, including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

EME 5050 ED-TL&L 3(3,0)
Fundamentals of Technology for Educators: PR: Post tac or C/I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

EME 5051 ED-TL&L 3(3,0)
Technologies of Instruction and Information Management: PR: Acceptance into Ed Media program or C/I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

EME 5053 ED-TL&L 3(3,0)
Electronic Resources for Education: PR: Graduate standing or C/I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

EME 5208 ED-TL&L 3(3,0)
Production Techniques for Instructional Settings: PR: Acceptance into Ed Media Program or C/I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and communication theories. Spring.

EME 5225 ED-TL&L 3(3,0)
Media for Children and Young Adults: PR: Acceptance into Ed Media Program or C/I. Survey of materials for children’s and young adults’ informational and recreational needs; analysis, evaluation, and utilization of print and non-print materials. Spring.

EME 5810 ED-TL&L 1(1,0)
Teaching and Learning with Technology: Overview of technologies for teaching and for learning. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. Occasional.

EML 3001C ECS-MMAE 1(1,2)

EML 3034C ECS-MMAE 3(3,1)

EML 3011 ECS-MMAE 3(3,0)
Thermodynamics of Mechanical Systems: PR: EGN 3343 and a “C” (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analysis, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. Fall.

EML 3262 ECS-MMAE 3(3,0)
Kinematics of Mechanisms: PR: EGN 3321 and a “C” (2.0) or better in all of the following; MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EML 3303C ECS-MMAE 3(2,3)
Mechanical Engineering Measurements: PR: EGN 3321, EML 3303C and EML 2044C. Instruction and use of instruments. Measurement techniques, data analysis, report writing. Laboratory topics related to mechanical engineering. Fall. M&S fee $15.00

EML 3500 ECS-MMAE 3(3,0)

EML 3701 ECS-MMAE 3(3,0)
Fluid Mechanics I: PR: EGN 3321, EGN 3343 and a “C” (2.0) or better in all of 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.

EML 3990 ECS-MMAE 0(0,0)
Mechanical Career and Academic Faculty Advising: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EML 4005 ECS-MMAE 3(3,0)

EML 4024C ECS-MMAE 3(2,2)
Engineering Design Practice: PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.

EML 4142 ECS-MMAE 3(3,0)

EML 4145 ECS-MMAE 2(2,0)

EML 4220 ECS-MMAE 3(3,0)
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 4354 CAH-WRITE 3(3,0) Community Based Research and Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. The study, description, and assessment of community-based research and writing using various methods, including intercultural inquiry. Occasional.

ENC 4360 CAH-ENG 3(3,0) Nature Writing: PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3033. English major or minor and junior standing, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.

ENC 4374 CAH-WRITE 3(3,0) Gendered Rhetorics: PR: Grade of "C" (2.0) or better required in ENC 1102. Historical and theoretical study of gendered rhetorical practices, with emphasis on women rhetors. Occasional.

ENC 4414 CAH-WRITE 3(3,0) Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 1102. This online course explores the development of digital/online rhetorics through a close reading and analysis of formative rhetorical texts, modern American fiction and film. Fall, Spring.

ENC 4416 CAH-WRITE 3(3,0) Writing in Digital Environments: PR: Grade of "C" (2.0) or better required in ENC 1102. Study and practice of new media/Internet writing and publishing, covering a range of online and multimedia genres. Occasional.

ENC 4504 CAH-WRITE 3(3,0) Contemporary Composition Theory: PR: Grade of "C" (2.0) or better required in ENC 1102. Concentrates major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. Occasional.

ENC 4523 CAH-WRITE 3(3,0) Writing and Identity: PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly negotiating gender, race, class, sexual identity and other difference issues. Occasional.

ENC 4544 CAH-WRITE 3(3,0) Writing Pedagogy: PR: Grade of "C" (2.0) or better required in ENC 1102. Overview of pedagogical issues and strategies related to the teaching of writing, with focus on college-level writing. Occasional.

ENC 5225 CAH-ENG 3(3,0) Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Presents theory and practice of how document usability is assessed and improved. Occasional.

ENC 5237 CAH-ENG 3(3,0) Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5276 CAH-ENG 3(3,0) Developing Professional Writing Projects: PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, production, and problem solving. Occasional.

ENC 5337 CAH-ENG 3(3,0) Rhetorical Theory: PR: Graduate standing or C.I. Overview of theory and history of classical and modern rhetorical theory and rhetorical instruction. Fall.

ENC 5705 CAH-ENG 3(2,1) Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. Spring.

ENC 5745 CAH-ENG 3(3,0) Teaching Practice: PR: ENC 5705, graduate standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester, GTA’s will participate in staff development and individual conferences with their mentors. Occasional.

ENC 5930 CAH-ENG 3(3,0) Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal profession, as well as for general publication. Occasional.

ENG 3010 CAH-ENG 3(3,0) Practical Criticism: PR: Grade of C (2.0) or better required in ENC 1102. Study of selected fiction, poetry, and drama through practical exercises in literary criticism. Occasional.

ENG 3014 CAH-ENG 3(2,1) Theories and Techniques of Literature: PR: Junior standing, or C.I., and C (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.

ENG 3071 CAH-ENG 3(3,0) English Renaissance Poetry and Prose: PR: Grade of C (2.0) or better required in ENC 1102. Study of English poets Chapman, Lyly & others. Occasional.

ENG 3081 CAH-ENG 3(3,0) English Romantic Writers: PR: Grade of C (2.0) or better required in ENC 1102. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. Occasional.

ENG 4114 CAH-ENG 3(3,0) Literature and Film: PR: Grade of C (2.0) or better required in ENG 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.

ENG 4614 CAH-ENG 3(3,0) Discourse of Global Cultural Studies: PR: ENG 3014. American popular culture texts in world context, using concepts and theories from global cultural studies to analyze transmission, translation, and appropriation. Occasional.

ENG 5009 CAH-ENG 3(3,0) Methods of Bibliographical Research: PR: Graduate status or senior standing or C.I. Bibliographical, literary and systematic approaches to research in the graduate level in language and literature. Fall.

ENL 2012 CAH-ENG 3(3,0) English Literature I: PR: Grade of C (2.0) or better required in ENG 1102. Beowulf to 1798. Fall, Spring.

ENL 2022 CAH-ENG 3(3,0) English Literature II: PR: Grade of C (2.0) or better required in ENC 1102. From 1798 to 1914. Fall, Spring.

ENL 3221 CAH-ENG 3(3,0) Restoration Literature: PR: Grade of C or better in ENC 1102. This course surveys the poetry, drama, and prose written during the Restoration era (1660-1700) and the social, historical, and political contexts. Occasional.

ENL 3266 CAH-ENG 3(3,0) Gothic Literature: PR: Grade of "C" or better required in ENC 1102. A study of Gothic literature (prose, poetry, drama) in the British Isles and its cultural contexts. Occasional.

ENL 3654 CAH-ENG 3(3,0) Black British Literature: PR: Grade of C or better required in ENC 1102. Study of literature written inside the UK by authors of African, South Asian, and Caribbean lineage. Occasional.

ENL 3951 CAH-ENG 3(3,0) Orlando Shakespeare Festival: PR: ENC 1102. Involvement in theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. Occasional.

ENL 3951H CAH-ENG 3(3,0) Orlando Shakespeare Festival Honors: PR: ENC 1102 and permission of Honors. Honors theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. Occasional.

ENL 4101 CAH-ENG 3(3,0) English Novel: PR: Grade of C (2.0) or better required in ENG 3014. Analysis of major English novelists. Occasional.

ENL 4220 CAH-ENG 3(3,0) English Renaissance: Drama and Prose: PR: Grade of C (2.0) or better required in ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lyly & others. Occasional.

ENL 4230 CAH-ENG 3(3,0) 18th Century Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of literature in English: 1660-1800. May be repeated for credit.

ENL 4240 CAH-ENG 3(3,0) English Romantic Writers: PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. Occasional.

ENL 4253 CAH-ENG 3(3,0) The Victorian Age: Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossetti, and Emily Bronte. Occasional.

ENL 4262 CAH-ENG 3(3,0) Nineteenth Century British Prose: PR: Grade of C (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. Occasional.

ENL 4273 CAH-ENG 3(3,0) Modern British Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern British literature. Occasional.

ENL 4303 CAH-ENG 3(3,0) British Authors: PR: ENG 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ENL 4311 CAH-ENG 3(3,0) Chaucer: PR: Grade of C (2.0) or better required in ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works. Occasional.

ENL 4333 CAH-ENG 3(3,0) Shakespeare Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare's plays. May be repeated for credit. Occasional.

ENL 4341 CAH-ENG 3(3,0) Milton and His Age: PR: Grade of C (2.0) or better required in ENG 3014. Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. Occasional.

ENL 5006 CAH-ENG 3(3,0) British Literature: Medieval to Modern: PR: Graduate status or senior standing or C.I. Survey of British Literature from beginnings to present, with instruction in the fundamentals of prose, poetry, and drama. Emphasis on Literature’s social and historical contexts. Occasional.

ENL 5237 CAH-ENG 3(3,0) Eighteenth Century Studies: PR: Graduate status or senior standing or C.I. Reading, analysis, and discussion of literature in English: 1660-1880. Occasional.
ENL 5250 CAH-ENG 3(3,0) The Victorian Age: Poetry: PR: Graduate status or senior standing or C.I. Poets of the Victorian period, including Tennyson, the Browning, Arnold, Hopkins, Hardy, the Rossettis, Emily Bronte, and others. Occasional.

ENL 5256 CAH-ENG 3(3,0) Victorian Literature: PR: Graduate status or senior standing or C.I. A selection of representative plays, with emphasis on Shakespeare's development as an artist: aesthetics of dramatic literature. Occasional.

ENL 5347 CAH-ENG 3(3,0) The Age of Milton: PR: Graduate status or senior standing or C.I. Emphasis on the non-dramatic works of John Milton. Selections from the non-dramatic works of other 17th-century figures. Occasional.

ENV 3001 ECS-CECE 3(3,0) Introduction to Environmental Engineering: PR: MAC 2311 and CHM 2045C or CHS 1440 both with a grade of "C" (2.0) or better. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water and land pollution. Fall, Spring.


ENV 4120 ECS-CECE 3(3,0) Air Pollution Control: PR: CHM 2046, EGN 3343, CWR 3201 and ENV 3001 all with a grade of "C" (2.0) or better. Atmospheric processes governing air pollution: sources, transport, dispersion, chemical reactions and treatment. Project and operation of air pollution control systems. Fall.

ENV 4122C ECS-CECE 3(2,2) Air Pollution Control Design: PR: ENV 4120 with a grade of "C" (2.0) or better and department consent. 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 with grade of "C" (2.0) or better and department consent. Project course on design of a municipal solid waste landfill. Occasional.

ENV 4341 ECS-CECE 3(3,0) Solid & Hazardous Waste Management: PR: CHM 2046 and ENV 3001 both with a grade of "C" (2.0) or better. Engineering design, planning, and analysis problems associated with solid & hazardous waste management. Includes storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 4432 ECS-CECE 3(3,0) Potable Water Treatment: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit. Occasional.

ENV 4433C ECS-CECE 3(2,2) Environmental Engineering Wastewater Design: PR: EES 4111C, ENV 4531 both with grades of "C" (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. Occasional.

ENV 4531 ECS-CECE 3(3,0) Environmental Engineering Operations & Processes I: PR: ENV 3001, CWR 3201 both with a minimum grade of "C" (2.0) or better. Advanced water and wastewater treatment design considerations with effluent and sludge handling, treatment, and disposal. Fall, Spring.

ENV 4561 ECS-CECE 3(3,0) Environmental Engineering Operations & Processes II: PR: CHM 2046 and ENV 4531 both with a minimum grade of "C" (2.0) or better. Advanced water and wastewater treatment including biological nutrient removal and desalination. Fall, Spring.
ETI 3116 ECS-ECS 3(3,0)
Applied Engineering Quality Assurance: PR: STA 2014C or STA 2023. Techniques of applying management principles to production planning, staffing, engineering design, distribution networks, and other engineering areas. Focus on network modeling, will be treated. Spring.

ETI 3671 ECS-ECS 3(3,0)

ETI 4186 ECS-ECS 3(3,0)
Applied Reliability: PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components. Odd Spring.

ETI 4448 ECS-ECS 3(3,0)
Applied Project Management: PR: Junior Standing. Statement of work, activity decision, milestones, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Spring.

ETI 4635 ECS-ECS 3(3,0)
Technical Administration: PR: Junior Standing. Techniques of managing application principles to professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. Fall, Spring.

ETI 4640 ECS-ECS 3(3,0)
Operations Management for Technologists: PR: ETI 4635. Scheduling techniques (PERT), (CPM) are presented. Time Study Methods, Work Sampling and MTM are covered. Fall.

EUH 3122 CAH-HIST 3(3,0)

EUH 3124 CAH-HIST 3(3,0)
The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of "just war" and jihad. Even Spring.

EUH 3142 CAH-HIST 3(3,0)
Renaissance and Reformation: PR: EUH 2000 and 2001 or C.I. Influence of Renaissance humanism on arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years' War. Occasional.

EUH 3180 CAH-HIST 3(3,0)
Sorcerers, Saints and Heretics: Religion in the Medieval World: PR: EUH 2000 or C.I. Examines the mixture of superstition, paganism, heresies, Jewish and Muslim communities and the rising Catholic Church that formed a new shaped society and culture in Medieval Europe. Occasional.

EUH 3235 CAH-HIST 3(3,0)
Romanticism and Realism: PR: EUH 2000 and 2001 or C.I. Napoleon and nationalism; new ideas; conservatism; liberalism, romanticism, republicanism and socialism; urbanization, technology and mass culture, notions of decline; Realpolitik, racism, imperialism, and militarism. Occasional.

EUH 3242 CAH-HIST 3(3,0)
Modern Europe and the First World War: A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare. Occasional.

EUH 3281 CAH-HIST 3(3,0)
Second World War and Rebirth of Europe: PR: EUH 2000 and 2001 or C.I. Origins of World War II; Hitler's "New Order," and resistance movements; Cold War; destabilization of Russia; Sovietization of Central East Europe; Western reconstruction, and prosperity. Occasional.

EUH 3315 CAH-HIST 3(3,0)
History of Modern Spain: PR: Modern European History (18th-20th century). The evolution of Modern Spain through its key institutions, cultural as well as social movements, and impact of political and intellectual trends, 1700-Present. Occasional.

EUH 3411 CAH-HIST 3(3,0)

EUH 3431 CAH-HIST 3(3,0)
History of Modern Italy: PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-WWII era. Occasional.

EUH 3431H CAH-HIST 3(3,0)
Honors History of Modern Italy: PR: EUH 2001 and consent of instructor. The history of modern Italy from the origins of national unification through the post-WWII era, with honors content. Occasional.

EUH 3441 CAH-HIST 3(3,0)

EUH 3451 CAH-HIST 3(3,0)
History of Modern France: PR: EUH 2001, EUH 3422 or C.I. France beginning with the Napoleonic era. Topics include nineteenth century social, political and consumer revolutions, the World Wars, the Cold War, imperialism and decolonization. Occasional.

EUH 3531 CAH-HIST 3(3,0)

EUH 3536 CAH-HIST 3(3,0)

EUH 3538 CAH-HIST 3(3,0)

EUH 3651 CAH-HIST 3(3,0)
War and Society: Evolution of weapons, tactics, strategy, role, social status, recruitment of soldiers; influence of military on governments; and international efforts to preserve peace. Occasional.

EUH 4283 CAH-HIST 3(3,0)

EUH 4284 CAH-HIST 3(3,0)

EUH 4400 CAH-HIST 3(3,0)

EUH 4426 CAH-HIST 3(3,0)

EUH 4465 CAH-HIST 3(3,0)
The History of the Third Reich: PR: EUH 2000 and 2001 or C.I. German nationalism and militarism; World War I and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War, division and recovery. Occasional.

EUH 4500 CAH-HIST 3(3,0)

EUH 4501 CAH-HIST 3(3,0)

EUH 4502 CAH-HIST 3(3,0)

EUH 4571 CAH-HIST 3(3,0)
History of Russia to 1801: PR: EUH 2000 and 2001 or C.I. Kievan State; Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Rise of Orthodox Church. Occasional.

EUH 4574 CAH-HIST 3(3,0)
History of Russia: 1801-1917: PR: EUH 2000 and 2001 or C.I. Alexander I; Napoleonic Invasion, Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. Occasional.

EUH 4576 CAH-HIST 3(3,0)

EUH 4582 CAH-HIST 3(3,0)
20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Treaty of Brest-Litovsk to the aftermath of the Cold War. Occasional.

EUH 4610 CAH-HIST 3(3,0)
Women in European Society: From Medieval to Modern: PR: Junior standing or C.I. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century. Occasional.
## UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 4610H</td>
<td>CAH-HIST</td>
<td>Honors Women in European Society: Honors completion or permission of Honors. Interdisciplinary approach to the changing situation of women in Europe across space and over time with honors-level content. Occasional.</td>
</tr>
<tr>
<td>EUH 4620</td>
<td>CAH-HIST</td>
<td>European Great Powers: 1815-1914: PR: EUH 2000 or EUH 2001 or the Congress of Vienna, Melchior’s basic System Czeu War, Unifications of Italy &amp; Germany, the Bismarck era, the alliance systems, and the outbreak of World War I. Occasional.</td>
</tr>
<tr>
<td>EUH 5247</td>
<td>CAH-HIST</td>
<td>Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history between 1919 and 1939. Occasional.</td>
</tr>
<tr>
<td>EUH 5285</td>
<td>CAH-HIST</td>
<td>Colloquium in Europe Since World II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. Occasional.</td>
</tr>
<tr>
<td>EUH 5371</td>
<td>CAH-HIST</td>
<td>Colloquium in Spanish History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Spanish history. Occasional.</td>
</tr>
<tr>
<td>EUH 5415</td>
<td>CAH-HIST</td>
<td>Rome and Early Christianity: PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with and eventual “triumph” within the Roman Empire. Occasional.</td>
</tr>
<tr>
<td>EUH 5419</td>
<td>CAH-HIST</td>
<td>Colloquium in Roman History: PR: Graduate standing or C.I. Readings in selected topics in the history of Ancient Rome. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>EUH 5595</td>
<td>CAH-HIST</td>
<td>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.</td>
</tr>
<tr>
<td>EUH 5608</td>
<td>CAH-HIST</td>
<td>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.</td>
</tr>
<tr>
<td>EVR 5930</td>
<td>BIO-L 1(1,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EXP 2320C</td>
<td>COS-PSYCH 3(3,2)</td>
<td>Perception: PR: PSY 2012, PSY 2312C. Consideration of physical and psychological variables in perceptual phenomena. Lecture/Lab. Fall.</td>
</tr>
<tr>
<td>EXP 4507C</td>
<td>COS-PSYCH 3(1,4)</td>
<td>Advanced Human Memory and Cognition: PR: PSY 3213C, EXP 3890C. In-depth coverage of experimental research on human memory and cognition. Occasional. M&amp;S fee $15.00</td>
</tr>
<tr>
<td>EXP 5208</td>
<td>COS-PSYCH 3(3,0)</td>
<td>Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.</td>
</tr>
<tr>
<td>EXP 5254</td>
<td>COS-PSYCH 3(3,0)</td>
<td>Human Factors and Aging: PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life in the elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.</td>
</tr>
<tr>
<td>EXP 5256</td>
<td>COS-PSYCH 3(3,0)</td>
<td>Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.</td>
</tr>
<tr>
<td>FIL 1008</td>
<td>CAH-FILM 3(3,0)</td>
<td>Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall. Spring. M&amp;S fee $0.00</td>
</tr>
<tr>
<td>FIL 1424</td>
<td>CAH-FILM 3(3,0)</td>
<td>Film Production Tools: Basic tools of filmmaking, including digital video cameras, 16 mm cameras, basic lighting equipment, non-linear editing equipment, sound recording and mixing, laboratory processing, and digital post-production. Occasional.</td>
</tr>
<tr>
<td>FIL 2030</td>
<td>CAH-FILM 3(2,2)</td>
<td>History of Motion Pictures: The history of motion pictures as art and industry; from 1895 to the present. Fall. Spring. M&amp;S fee $0.00</td>
</tr>
<tr>
<td>FIL 2107</td>
<td>CAH-FILM 3(3,0)</td>
<td>Script Analysis: PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used in traditional and non-traditional filmmaking and screenwriting. Fall. Spring.</td>
</tr>
<tr>
<td>FIL 2423</td>
<td>CAH-FILM 3(3,0)</td>
<td>Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall. Spring.</td>
</tr>
<tr>
<td>FIL 2461</td>
<td>CAH-FILM 3(3,0)</td>
<td>Cinematography I: PR: FIL 2274C and FIL 2480. Concepts and tools of cinematography and lighting. Fall. M&amp;S fee $5.00</td>
</tr>
<tr>
<td>FIL 2480</td>
<td>CAH-FILM 3(3,0)</td>
<td>Directing for Film I: PR: FIL 1007, FIL 1008, and FIL 3427C or CR: FIL 3115. Introduction to processes and techniques for film directing. Spring.</td>
</tr>
<tr>
<td>FIL 2481</td>
<td>CAH-FILM 3(3,0)</td>
<td>Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.</td>
</tr>
<tr>
<td>FIL 2552</td>
<td>CAH-FILM 3(3,0)</td>
<td>Editing I: PR: FIL 1006 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&amp;S fee $5.00</td>
</tr>
<tr>
<td>FIL 3006</td>
<td>CAH-FILM 3(3,0)</td>
<td>Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall. Spring. M&amp;S fee $5.00</td>
</tr>
<tr>
<td>FIL 3035C</td>
<td>CAH-FILM 3(3,1)</td>
<td>Film Histories II: PR: FIL 2030. Surveys and questions historical approaches to film and seeks to open up the field of historical enquiry to a variety of views. Fall.</td>
</tr>
<tr>
<td>FIL 3036</td>
<td>CAH-FILM 3(3,0)</td>
<td>Film History I: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.</td>
</tr>
<tr>
<td>FIL 3037</td>
<td>CAH-FILM 3(3,0)</td>
<td>Film History II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1945 to the present. Spring.</td>
</tr>
<tr>
<td>FIL 3041</td>
<td>CAH-FILM 3(3,0)</td>
<td>History of Animated Films: 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.</td>
</tr>
<tr>
<td>FIL 3051</td>
<td>CAH-FILM 3(3,0)</td>
<td>Avant-Garde Cinema: PR: Junior standing or C.I. History and aesthetics of Avant-Garde Cinema with an emphasis on post WWII North American films and filmmakers. Spring. M&amp;S fee $10.00</td>
</tr>
</tbody>
</table>
Cinema in the 1920s: PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of period. Occasional.

Cinema in the 1930s: PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of period. Occasional.

Cinema in the 1940s and 1950s: PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

Cinema 1980s to the Present: PR: FIL 3035C. Films from the 1980s and onward as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

Film and Modernism I: PR: FIL 3035C and ARH 2003. 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 and Modernism II: PR: FIL 3075C and ARH 2061. An introduction to Film and Modernism II. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007. Theories and process of screen writing for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring.

Introduction to Scriptwriting: PR: Film majors only. Rudiments of scriptwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. Occasional.

Short Script I: PR: FIL 2107 and Film BFA or Cinema Studies major, or C.I. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. Fall, Spring.

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.

Documentary Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

Docuscram: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. Occasional.

Film Documentary: PR: FIL 2030 and Film BFA or Cinema Studies major. The uses and analysis of the non-fiction film. Fall, Spring. M&S fee $5.00

Advanced Documentary Production: PR: FIL 3363C and FIL 3845, or C.I. Principles and processes of advanced documentary production to capture on-going reality based situations. Occasional. M&S fee $5.00

Honors Advanced Documentary Workshop: PR: Environmental Honors or C.I. Student-produced multimedia projects centered on local partnerships that explore the public history of Central Florida. With Honors consent. Occasional.

Introduction to Film Production: PR: or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall. M&S fee $45.00

Film Landscapes: Story, Image, and Production Design: PR: FIL 2423 or FIL 2427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. Occasional.

Cinematic Expression: PR: FIL 3035C. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. Spring.

Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. Occasional.

Performance in Film: PR: FIL 3035C. Study of the different traditions and forms of acting in film. Occasional.

Sound Design for Film I: PR: FIL 3427C and Film BFA or C.I. Technical and aesthetics aspects of production and post-production sound recording, editing, and mixing for film. Fall.

Film Production Technology Workshop: PR: 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.

Introduction to Animation: PR: Animation majors only, and a satisfactory portfolio review or C.I. Introductory computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall, Spring. M&S fee $45.00

Intermediate Animation: PR: Animation majors only, FIL 3720C, and a satisfactory portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. Even Fall, Spring. M&S fee $45.00

Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War period. Fall. M&S fee $10.00

Film Theory and Criticism II: PR: FIL 3804C and FIL 2107 and Film BFA or Cinema Studies major. Major film theories from Second World War period to present. Spring M&S fee $10.00


Italian Film: This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. Occasional.

French Film: The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economical, and historical perspectives with attention to their relationship with French literature. Taught in English. Occasional.

German Film: PR: C.I. Exploration of the form and content of German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. Occasional.

Italian Neo-Realism: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Occasional.

American Cinema: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, films, and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. Spring.


French New Wave Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Renoir, Bresson, Godard, Rohmer, Resnais and Rivette. Spring.

International Cinema: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.

World Cinema Traditions: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. The relationship among film, history, and culture in selected Asian, African, Latin American, and Middle Eastern countries. Fall, Spring.

Latin American Cinema: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

Cinema Directors: PR: FIL 3803C and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected film-makers using multiple modes of criticism and author analysis to examine films. Occasional.

Cinema Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 2030, FIL 3803C. Modes of cinema criticism. Occasional.

The Shot, Framing, Point of View: PR: FIL 3363C. Approaches to the shot, framing and point of view. Occasional.

Interactive Writing II: 
FIL 4114C CAH-FILM 3(3,2)

FIL 3865C CAH-FILM 3(3,1)
as applied to interactive writing.

Script, marketing scripts and funding sources.

Interactive Writing I:
FIL 4113C CAH-FILM 3(2,3)

FIL 4057C CAH-FILM 3(3,1)
Growth and diversification of American and international perception of light.

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.

Experimental Cinema I: 
FIL 3707C CAH-FILM 3(3,1)

Experimental Cinema II: 
FIL 3777C CAH-FILM 3(3,1)

FIL 3877C CAH-FILM 3(3,1)
Color and Lighting in Cinema: PR: FIL 3035C.

FIL 3880C CAH-FILM 3(3,1)
Images of Women in Film: PR: FIL 2030.

Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall, Spring.

FIL 3922C CAH-FILM 1(1)
Feature/TV Writing I: PR: FIL 4162C. Advanced working knowledge of AVID editing system, to edit assigned projects, give basic understanding of editorial styles and techniques in film storytelling. Occasional. M&S fee $45.00

FIL 4162C CAH-FILM 3(2,3)
Feature/TV Writing II: PR: FIL 4162C. Advanced working workshops, principles and methods of adaptation and reader’s coverage. Spring.

FIL 4163C CAH-FILM 3(2,3)

FIL 4443C CAH-FILM 3(2,4)
Intermediate Film Production: PR: Film major, FIL 3427C. Advanced exploration of the aesthetic and technical facets of filmmaking. Occasional. M&S fee $45.00

FIL 4434C CAH-FILM 3(2,4)
Capstone I: PR: FIL 3132 and FIL 3075C, or FIL 3427C. A notion of the document. Fall.

FIL 4442C CAH-FILM 3(3,0)
Episodic Production: PR: Film or Animation Majors. Episodic film production techniques. Occasional.

FIL 4433C CAH-FILM 3(3,0)

FIL 4574C CAH-FILM 3(3,1)
Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader’s coverage. Spring.

FIL 4566C CAH-FILM 3(3,2)
Editing II: PR: FIL 2274C. Theory, techniques and practices in picture editing. Fall. M&S fee $5.00

FIL 4512C CAH-FILM 3(3,1)

FIL 4537C CAH-FILM 3(3,1)
Capstone II: PR: FIL 4444C. Advanced tutorial guidance, instruction and evaluation of final film projects in post-production. May be repeated for credit. Spring. M&S fee $5.00

FIL 4602 CAH-FILM 3(3,0)
Film Production Management: PR: FIL 3427C or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.

FIL 4661 CAH-FILM 3(3,0)
The Film Producer: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry which deals with issues relating to the organization and production of motion pictures. Spring.

FIL 4678C CAH-FILM 3(3,0)
Advanced Animation: PR: C.I. or better in FIL 3745C and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. Fall, Odd Spring. M&S fee $45.00

FIL 4740C CAH-FILM 3(3,1)
Film and Digitalization: PR: FIL 3035C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.

FIL 4750C CAH-SVAD 3(2,4)
Animation Workshop: PR: Animation majors only, FIL 3720C, FIL 3734C, FIL 4735C, and a satisfactory portfolio review or C.I. A production level course in computer animation that emphasizes all phases of the commercial production process, including storyboard, budgets, client relations, and post-production. May be repeated for credit. Fall, Spring. M&S fee $45.00

FIL 4808 CAH-FILM 3(3,0)
Images and Text in Context: PR: FIL 3030 or C.I.

FIL 4830 CAH-FILM 3(3,0)
Motion Picture Genre: PR: FIL 2030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Occasional. M&S fee $5.00

FIL 4844 CAH-FILM 3(3,0)

FIL 4863C CAH-FILM 3(3,1)
Montage: PR: FIL 3035C and FIL 3067C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and discontinuities. The course is theoretical with practical exercises. Fall.

FIL 4904C CAH-FILM 3(3,0)
Current Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

FIL 4954C CAH-FILM 3(3,1)
Non-Linear Editing: PR: Film major and FIL 3427C.
FIL 4939C CAH-FILM 3(3,1) Current Problems in Film History: PR: FIL 3035C. Concentrations must register. Recent work in film studies concerned with film history. Occasional.

FIL 5165 CAH-FILM 3(3,0) Visual Storytelling: PR: Admission to Film and Digital Media master’s program or C.I. Traditional forms of visual storytelling ranging from storyboarding to classic structural paradigms for feature film scripts. Fall.

FIN 5414 CAH-FILM 3(3,0) Film Vision, Scenario & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, marketing, and distributing a digital, microbudget motion picture. Spring.

FIN 5419 CAH-FILM 3(3,0) Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media-Entre Digi Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIN 5612 CAH-FILM 3(3,0) Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films and television ventures, including online films, short films, television documentaries and the Internet. Fall.

FIN 5800 CAH-FILM 3(3,0) Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. Spring.

FIN 5853 CAH-FILM 3(3,0) Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media/Entre Digi Cin track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall.

FIN 5864 CAH-FILM 3(3,0) Ways of Seeing: The Expressive Potential of Film: PR: Admission to MFA Film and Digital Media or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. Fall.

FIN 5924 CAH-FILM 3(1,0) Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Strategies for a successful graduate experience, and forum for models of inquiry, film technique, production and distribution issues, and thesis defense preparation. Graded S/U. May be used in the degree program a maximum of 6 times. Fall.

FIN 2100 BA-FIN 3(3,0) Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

FIN 3303 BA-FIN 3(3,0) Financial Markets: PR: FIN 3403C; open to majors or minors who require this course. The role of short- and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

FIN 3403C BA-FIN 4(3,1) Business Finance: PR: Junior standing. ACG 2021 and ECO 2023. With the balance sheet as a reference point, this course provides an introduction and overview of the organization, financing, and management of business assets. Fall, Spring.

FIN 4303H BA-FIN 4(4,0) Business Finance - Honors: PR: Junior standing. ACG 2021 and ECO 2023. Open to University honors students and other students participating in the honors program. Same as FIN 3403C with honors level content. Occasional.

FIN 4314 BA-FIN 3(3,0) Intermediate Corporate Finance: PR: FIN 3403C; open to majors or minors which require this course. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.


FIN 4304 BA-FIN 3(3,0) Investment Analysis: PR: FIN 3403C; open to majors or minors which require this course. A survey of investments, including security markets, investment vehicles, and environment. Principles of asset valuation in efficient markets. Fall, Spring.

FIN 4313 BA-FIN 3(3,0) Management of Financial Institutions: PR: FIN 3303, 3403; open to majors or minors which require this course. Analysis of management policies of financial institutions, in-depth study of financial viability, and capital management. The economics and regulatory influence on competition is considered. Occasional.

FIN 4324 BA-FIN 3(3,0) Commercial Bank Management: PR: FIN 3303; open to majors or minors which require this course. Analysis of the operations of commercial banking policies and an analysis of current approaches to managing specific bank products. Fall.

FIN 4424 BA-FIN 3(3,0) Advanced Topics in Financial Management: PR: FIN 3414; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. Occasional.

FIN 4453 BA-FIN 3(3,0) Financial Models: PR: FIN 3403C, FIN 3414, and FIN 3504; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4514 BA-FIN 3(3,0) Portfolio Analysis and Management: PR: FIN 3403C. FIN 3303 and FIN 3504; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533 BA-FIN 3(3,0) Financial Derivatives: PR: FIN 3403C, FIN 3303 and FIN 3504; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C BA-FIN 4(3,1) Applied Portfolio Management 1: PR: Finance major, FIN 3403C, FIN 3504, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of Equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C BA-FIN 4(3,1) Applied Portfolio Management 2: PR: Finance major, FIN 4560C, and C.I. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. Occasional.

FIN 4604 BA-FIN 3(3,0) International Financial Management: PR: FIN 3403C; open to majors or minors which require this course. Analysis of the foreign financial markets and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730 BA-FIN 3(3,0) Senior Financial Consulting I: PR: Finance major, FIN 3403C, FIN 4314, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 4731 BA-FIN 3(3,0) Senior Financial Consulting II: PR: Finance major, FIN 4730. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. Occasional.

FIN 4941 BA-FIN 3(3,0) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75 and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160 ED-TL&L 3(3,0) Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes culture, language immersion, theoretical and applied knowledge of culture and language diversity. Occasional.


FLE 4314 ED-TL&L 3(3,0) Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign language in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

FLE 4333 ED-TL&L 3(3,0) Foreign Language Teaching in the Secondary School: PR: EDG 4333 or EDG 4626, 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-TL&L 3(3,0) Foreign Language Methods at the Secondary Level: PR: C.I., EDG 4333, or EDG 6260; classroom teaching experience, and fluency in the target language and English. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-TL&L 3(3,0) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4333 or FLE 5870, EDG 4323 or EDG 6266, and proficiency in the 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 used in the degree program a maximum of 2 times. 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. Survey, analysis, and evaluation of computer software and Internet materials for teaching foreign languages. Occasional.
UCF Courses and Descriptions

FRE 1120C CAH-LANG 4(3,1)
Elementary French Language and Civilization I: Introduces the student to French culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall, Spring.

FRE 1121C CAH-LANG 4(3,1)
Elementary French Language and Civilization II: Introduces beginning 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2200 CAH-LANG 3(3,1)
Intermediate French Language and Civilization I: PR: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2201 CAH-LANG 3(3,1)
Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 2240 CAH-LANG 3(3,0)

FRE 2270 CAH-LANG 8(16,10)

FRE 3300 CAH-LANG 3(3,0)
French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structure of French for students who intend to take French literature courses. Fall.

FRE 3410 CAH-LANG 3(3,0)
Advanced Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term in speaking French. May be repeated for credit. Occasional.

FRE 3420 CAH-LANG 3(3,0)
French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(3,0)
Advanced French Grammar Abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(3,0)

FRE 3441 CAH-LANG 3(3,0)

FRE 3760 CAH-LANG 3(3,0)
Advanced French Oral Communications: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Spring.

FRE 3780 CAH-LANG 3(3,0)
French Phonetics and Diction: French phonology, with emphasis on phonic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0)
Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0)
Advanced French Conversation: PR: FRE 3790. Advanced conversation on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0)
Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471 CAH-LANG 6(6,0)
Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.

FRE 4500 CAH-LANG 3(3,0)

FRE 4503 CAH-LANG 2(2,0)
Quebecois Civilization: PR: 2 years of college level French or equivalent. Studies with the to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4782 CAH-LANG 2(2,0)
Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.

FRT 3140 CAH-LANG 3(3,0)
French and Francophone Literary Masterworks in Translation: PR: FRE 2200. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. Occasional.

FRT 3562 CAH-LANG 3(3,0)
French Contemporary Pop Culture: PR: FRE 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

FRT 4421 CAH-LANG 3(3,0)
French Medieval Literature and Culture: PR: FRE 3910. Provides the skills needed to read, discuss, and write about French literature and culture of medieval France. Occasional.

FRW 3100 CAH-LANG 3(3,0)
Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 15th century. Fall.

FRW 3101 CAH-LANG 3(3,0)
Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

FRW 3370 CAH-LANG 3(3,0)
Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

FRW 3740 CAH-LANG 3(3,0)

FRW 3752 CAH-LANG 3(3,0)
French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.

FRW 3760 CAH-LANG 3(3,0)

FRW 3770 CAH-LANG 3(3,0)
Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.
GEB 4152 BA-MAN  3(3,0)

GEB 4361 BA-FIN  3(3,0)

GEB 4363 BA-FIN  3(3,0)
Export and Import Management: PR: Finance major, intermediate standing in finance, and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. Occasional.

GEB 4374 BA-FIN  3(3,0)
International Negotiations and Transactions: PR: Finance major, intermediate standing and admission to CBA. Focuses on understanding of the concepts and skills required for international negotiations and transactions. Occasional.

GEB 4435 BA-MAN  3(3,0)

GEB 4824 BA-BUS  3(3,0)
Business Law in Sport & Entertainment: PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.

GEO 2201 CAH-LANG  2(2,0)
Modern German Civilization A/B: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lectures, readings, films, and other media. In German. Occasional.

GER 3102 CAH-LANG  3(3,0)
Germany - Past to Present: PR: GER 3760 or GER 2201 or equivalent. Development of skills in composition and understanding of the history of postwar Germany from the two Germanies to unification and today's Germany. Fall, Spring.

GER 3272 CAH-LANG  2(2,0)
Modern German Civilization A/B: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lectures, readings, films, and other media. In German. Occasional.

GER 3420 CAH-LANG  3(3,0)

GER 3440 CAH-LANG  3(3,0)
Business German A/B: PR: GER 2200. Introduction to German business language and practices. Occasional.

GER 3441 CAH-LANG  3(3,0)
Business German II: PR: GER 3440. Continuation of Business German I. Occasional.

GER 3470 CAH-LANG  6(6,0)
Advanced German Study Abroad: PR: GER 2201 or equivalent. Development of skills in composition. Occasional.

GER 3760 CAH-LANG  3(3,0)
Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in diction and enunciation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

GER 3780 CAH-LANG  3(3,0)
German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation. Occasional.

GER 4422 CAH-LANG  3(3,0)
Advanced German Grammar: PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designated for advanced students of the German language. Occasional.

GER 4510 CAH-LANG  3(3,0)
Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520 CAH-LANG  3(3,0)
Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today’s Germany. Occasional.

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.

Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

Multi-Unit Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.


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.

Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing or C.I. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.

Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.


Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.

Golf Planning & Operations I: Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.


Golf & Club Event Operations: PR: HFT 1000; HFT 2500; or C.I. Development, plan, and organize golf tournaments of all types. Occasional.

Event Design, Production & Technology: PR: HFT 1000, HFT 2750, and HFT 3670; or C.I. Aspects of event production, including art, design and staging. How technology is used in the event industry to increase effectiveness and productivity. Fall, Spring.

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.
Resort Management:

HFT 4269 RCHM-HOS  3(3,0)
Study methodology to advanced topics in restaurant and
techniques in the management of resorts.

HFT 4255 RCHM-HOS  3(3,0)
Advanced Hotel Development: PR: HFT 4464,
HFT 3444, HFT 3603 and Senior Standing. Provides the
advanced student with firsthand knowledge of the day-
to-day operations of a hotel property. Reconciles conflicts
between theory and practice in a real life hotel. Occasional.

HFT 4255 RCHM-HOS  3(3,0)
Advanced Hotel Development: PR: HFT 4464,
HFT 3444, HFT 3603 and Junior Standing. Risk management
and other investment decision factors. Occasional.

HFT 4266 RCHM-HOS  3(3,0)
Restaurant Brand Management: PR: HFT 3263
and junior standing or C.I. Exploration of the principles of
brand management for the corporate restaurant industry.
Occasional.

HFT 4268 RCHM-HOS  3(3,0)
Casual Studies in Restaurant Management: PR:
HFT 3263 and junior or senior C.I. Application of case
study methodology to advanced topics in restaurant and
food service management. Fall, Spring.

HFT 4269 RCHM-HOS  3(3,0)
Case Studies in Multi-Unit Restaurant Management:
PR: HFT 3263. Application of case study methodology to advanced topics in chain or multi-unit res-
taurant and foodservice operations. Occasional.

HFT 4274 RCHM-HOS  3(3,0)
Resort Management: PR: HFT 1000, HFT 2254, or
C.I. Comprehensive analysis of applied theories, principles,
and techniques in the management of resorts. Occasional.

HFT 4275 RCHM-HOS  3(3,0)
Development of Vacation Ownership Resorts:
PR: HFT 3273 and HFT 4473 or C.I. Comprehensive
analysis of applied theories, principles, and techniques
used in the planning and development of vacation resorts.
Occasional.

HFT 4277 RCHM-TEA  3(3,0)
Yacht, Country, and City Club Management:
PR: HFT 1000 and junior standing or C.I. A study of the
history, development, operation and management of Yacht,
Country and City Clubs. Emphasis will be placed on opera-
tional aspects. Fall.

HFT 4281 RCHM-HOS  3(3,0)
Restaurant Leadership Strategies and
Tactics: PR: Hospitality Management Core and
Restaurant Management Core or C.I. An analysis of the
leadership styles of restaurant industry founders and execu-
tives. Fall, Spring.

HFT 4284 RCHM-HOS  3(3,0)
Training and Employee Performance in the
Foodservice Industry: PR: HFT 2220; HFT 3540;
HFT 4270, HFT 4343; FSS 3124; FSS 4135.
Teaching and training methodologies relative to the service
positions in a restaurant. Encompasses training techniques,
guest interaction, and assessment of service performance.
Occasional.

HFT 4286 RCHM-HSP SERV  3(3,0)
Hospitality Communications: PR: HFT 1000; HFT
2220; FSS 2221; HFT 2254; HFT 2250; HFT 3603; HFT
2750; HFT 2401; HFT 3444; HFT 3540). Communication
exchanges in the hospitality industry for effective presenta-
tions, conflict resolution, and report writing. Emphasis on
inter departmental dependence by managers in hospitality
enterprises in the areas of reading, writing, speaking, and
listening. Fall, Spring.

HFT 4286 RCHM-HSP SERV  3(3,0)
Leadership and Strategic Management in
Hospitality Industry: PR: Completion of Hospitality
Management Core program. Principles of strategic decision
making in various hospitality and tourism organizations;
lectures, class discussions, and group case analysis pre-
sentations. Fall, Spring.

HFT 4298 RCHM-HSP SERV  3(3,0)
Hospitality Business Consulting: PR: HFT 1000
and junior standing or C.I. A systematic approach to
Hospitality Management. Students apply their cumulative
knowledge in an active learning environment in a small
hospitality operation. Occasional.
Advanced Wine Management: Seminar in Quality Brewing and Fine Beer: 3(3,0)  
- Objective: Introduction to the world of wine.  
- Topics: Malt beverages, history, and production of grape varieties used in making wine.  
- Prerequisites: HFT 3792, FSS 2221C, HFT 3802, and HFT 3797.  
- Course: Pass-Fail.  
- Fee: $45.00.

HFT 4226C  RCHM-HOS  3(3,4)  
- Course: Food and beverage management.  
- Topics: Principles and mechanics of coding systems for outpatient health information retrieval; ICD-9-CM, DRGs, encoders.  
- Prerequisites: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; CPT/HCPCS, APICs, encoders.  
- Fee: $45.00.

HFT 4835C  RCHM-HOS  3(3,0)  
- Course: Managing the Guest Experience in the Theme Park and Attraction Industry.  
- Topics: Development, event production, creative processes, casting, and management of theme parks.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HIM 3116C  HPA-HMI  4(3,2)  
- Course: Health Record Organization and Management.  
- Topics: Introduction to the health information management (HIM) profession; assembly, revision, and distribution of health information.  
- Prerequisites: HSC 3537 or C.I. Nomenclature/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; and building and maintaining health information libraries.  
- Fee: $45.00.

HIM 4434C  HPA-HMI  3(2,2)  
- Course: Health Information Department Administration.  
- Topics: Health information processing and management; health information processing for patient care; computerized information systems; and health information processing for the health care industry.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HIM 4508C  HPA-HMI  3(2,2)  
- Course: Quality Management.  
- Topics: Principles and mechanics of quality improvement; utilization review; case management; and risk management.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HIM 4767 HPA-HMI  3(3,0)  
- Course: Professional Development and Issues in Health Information Management.  
- Topics: Health information management; management of the health information management profession; and project management concepts.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HIM 4816C  HPA-HP  3(1,4)  
- Course: Professional Practice Experience II.  
- Topics: Health care delivery systems; assembly and analysis of information; and management of health care delivery systems.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HIS 3462 CAH-HIST  3(3,0)  
- Course: History of Science.  
- Topics: History of science, including the relationship between science and society.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HIS 3949 CAH-HIST  0(0,8)  
- Course: Cooperative Education in History.  
- Topics: Cooperative education experience in history.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HIS 4070 CAH-HIST  3(3,0)  
- Course: Oral History.  
- Topics: Practices and procedures of oral history.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HIS 4150 CAH-HIST  3(3,0)  
- Course: History and Historians.  
- Topics: An study of European and/or American historiography.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HIS 4323 CAH-HIST  3(3,0)  
- Course: History of the Future.  
- Topics: Discussions of the future and how they were influenced by issues relevant to the period.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HIT 5000 HCA-CA  1(1,0)  
- Course: Teaching Elementary School Health and Physical Education.  
- Topics: Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HMA 3031 HPA-HMI  3(3,0)  
- Course: Health Information Processing and Administration.  
- Topics: Information systems in healthcare and in healthcare information technology.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.

HSA 3111 HPA-HP  3(3,0)  
- Topics: History and organization of the health care delivery system.  
- Prerequisites: HFT 4755.  
- Fee: $45.00.
HSA 4150 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 4180 HPA-HP 3(3,0) Principles of Managed Care: PR: HSA 3111; ECO 2023; or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4184 HPA-HP 3(3,0) Organization & Management for Health Agencies I: PR: HSA 3111 or admitted to HIIM program. 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, Spring.

HSA 4191 HPA-HP 3(3,0) Health Care Automation: PR: HSA 3111; CGS 2100C or CGS 1080C; 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 control issues with emphasis on risk reduction, risk reduction and risk transfer in health care. Fall, Spring.

HSA 4701 HPA-COM SCA/DIS 6(6,0) Introduction to Research in the Health Professions: PR: Senior or post-bac 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: STA 2014C or STA 2023) and Junior Standing. Or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 4850 HPA-HMI VAR Health Services Administration Internship: PR: 2.5 UCF GPA, 50 overall credit hours, 24 HSA credit hours, approval of the Internship Director. Administrative experience in an approved health care organization. Fall, Spring.

HSA 4939 HPA-HMI 3(3,0) Health Services Administration Capstone: PR: HSA major and senior standing, HSA 3170, HSA 3430 and HSA 4184. Capstone course applies healthcare administration theory to a healthcare organization. Students will integrate previous coursework to evaluate an existing healthcare organization. Fall, Spring.

HSA 5177 HPA-HP 3(3,0) Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

HSA 5198 HPA-HP 3(3,0) Health Care Decision Sciences and Knowledge Management: PR: STA 2023 or passing score on statistics assessment exam. Emphasis on development of a general systems approach to solving problems under uncertainty. The role of informatics and application of information technology in improving managerial decision making process will be presented. Occasional.

HSA 5257 HPA-HP 3(3,0) IC9D Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. 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: PR: Freshman and Sophomores only. A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Fall.


HSC 2300 HPA-HP 3(3,0) LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGN 1036C, IDS 1040C, GEB 1091C or EDG 1030C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.

HSC 3110 HPA-HP 3(3,0) Medical Self Assessment: PR: ENC 1101 and MGF 1106. Development of clinical skills and understanding of one’s health to encourage active participation of individuals in their own health care. Fall, Spring.

HSC 3147 HPA-HP 3(3,0) Introduction to Pharmacology: Review of terminology and regulations. Study of drug types and usage. Fall, Spring.

HSC 3211 HPA-HP 3(3,0) Preventive Health Care: PR: PCB 3703C. An established interdisciplinary approach to help people maintain health and prevent chronic diseases, stress, and addiction. Fall, Spring.

HSC 3406C HPA-HP 3(2,3) CPR & First Aid: To train individuals to accepted and recognized medical standards in emergency first aid and CPR to include medical, environmental and trauma related emergencies. Occasional.

HSC 3432 HPA-HP 3(3,0) Occupational Safety for the Health Care Professional: PR: ZOO 3733C and PCB 3703C. Issues surrounding the health care environment and the risks associated with working there. Fall, Spring.

HSC 3557 HPA-HP 3(3,0) Medical Terminology: A study of the language of medicine and allied health specialties, including work construction, definitions, and application of terms. Fall, Spring.

HSC 3559 HPA-COM SCDIS 3(3,0) Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall.

HSC 3593 HPA-HP 3(3,0) HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. Fall, Spring.

HSC 3640 HPA-HP 3(3,0) Health Law: PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. Fall, Spring.

HSC 4009 HPA-HP 3(3,0) Professional Development in Health Professions: PR: ENC 1102 and Junior Standing. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements. Fall, Spring.

HSC 4158 HPA-HP 3(3,0) Medical Pharmacology I: PR: BSC 2014C and admission to Cardiopulmonary Sciences program, or C.I. General pharmacological principles such as regulations, prescriptions, routes of administration, drug action mechanisms, indications/contraindications, and the side effects of cardiopulmonary drug classes. Fall.


HSC 4201 HPA-HP 3(3,0) Community Health: PR: ENC 1102 and Junior Standing, or C.I. Historical, sociocultural and economic factors in community health; current community health problems, interphase of governmental, voluntary and private agencies. Fall, Spring.

HSC 4243 HPA-HP 3(3,0) Analysis of Instruction in Health Professions: Development of teaching aids, audiovisuals, learning packages. Course development, quality control strategies, evaluation of didactic and clinical performance. Spring.

HSC 4500 HPA-HP 3(3,0) Epidemiology: PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.

HSC 4551 HPA-HP 3(3,0) Epidemiology of Chronic Diseases: PR: HSC 4555, HSC 4558, and either STA 2014C or STA 2023. Epidemiology of chronic diseases including risk factors, etiology, mortality and morbidity as they relate to clinical practice, research, and intervention. Fall, Spring.

HSC 4555 HPA-HP 3(3,0) Pathophysiology I: PR: ZOO 3733C and PCB 3703C, or C.I. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the immune, cardiovascular, respiratory, and renal systems. Fall, Spring.

HSC 4558 HPA-HP 3(3,0) Pathophysiology II: PR: PCB 3703C and ZOO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the digestive, hepatobiliary, nervous, and endocrine systems. Fall, Spring.
HSC 4564 HPA-HP  3(3,0)  Health Care Needs of the Elderly: PR: HSA 3111 or C.I. An overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.


HSC 4652 HPA-HP  3(3,0)  Health Law and Ethics: PR: ENC 1102 and Junior Standing, or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall, Spring.

HSC 4739 HPA-HP  3(3,0)  Applied Health: Arts and Sciences Methodology (STA 2023 or STA 2014C) and HSA 4702 and Senior Standing. Clinical research issues including: clinical research questions, protocol, patient safety, IRB, ethics and patient rights. Fall, Spring.

HSC 5317 ED-CFCS  3(3,0)  Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, principles, and curriculum to develop a comprehensive school health program. Occasional.

HSC 5595 HPA-HP  3(3,0)  AIDS: A Human Concern: Focus on epidemiology, transmission, prevention, legal and health care issues, economic impact, psychosocial aspects, sexuality, substance abuse, testing, referral, services and the decision making process. Occasional.

HUM 2020 CAH-PHIL  3(3,0)  Encountering the Humanities: The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities. Spring.

HUM 2210 CAH-PHIL  3(3,0)  Humanities Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2210H CAH-PHIL  3(3,0)  Honors Humanities Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall.

HUM 2230 CAH-PHIL  3(3,0)  Humanities Tradition II: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2230H CAH-PHIL  3(3,0)  Honors Humanities Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. Spring.

HUM 3252 CAH-PHIL  3(3,0)  Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. Occasional.

HUM 3255 CAH-PHIL  3(3,0)  Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period. Occasional.

HUM 3320 CAH-PHIL  3(3,0)  Contemporary Multicultural Studies: PR: HUM 2210, Junior standing, or C.I. Studies the influence of diverse cultures making up North America in the Information Age, focusing on core primary sources in philosophy, literature, visual arts and music. Even-Fall.

HUM 3394 CAH-PHIL  3(3,0)  Representations of Place and Space: PR: HUM 2200 or C.I. Phenomenological, symbolic, constructivist, and determinist approaches to personal and social space and place. Occasional.

HUM 3401 CAH-PHIL  3(3,0)  Asian Humanities: PR: HUM 2230, Asian Studies minor, or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music. Occasional.

HUM 3417 CAH-PHIL  3(3,0)  Hindu Thought and Culture: PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from Vedic times to the modern age, with emphasis on religion, literature, philosophy, art, and music. Occasional.

HUM 3419 CAH-PHIL  3(3,0)  Islamic Thought and Culture: PR: HUM 2230, REL 2300, or C.I. The development of Islamic thought and culture, concentrating on the philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. Occasional.

HUM 3419H CAH-PHIL  3(3,0)  Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. With Honors content. Occasional.

HUM 3423 CAH-PHIL  3(3,0)  African Humanities: PR: HUM 2230, HUM 3320, or C.I. Contemporary art, culture, and philosophy in selected African countries. Occasional.

HUM 3431 CAH-PHIL  3(3,0)  Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. Occasional.

HUM 3435 CAH-PHIL  3(3,0)  Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. Occasional.

HUM 3460 CAH-PHIL  3(3,0)  Latin American Humanities: PR: HUM 2210 or HUM 2220. Ideas in cultures of Latin America and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. Occasional.

HUM 3552 CAH-PHIL  3(3,0)  Christian Thought: PR: ENC 1102. Christian thought from 4th century to present, concentrating on human nature, social justice, the state, war, and attitudes toward women. Occasional.

HUM 3553 CAH-PHIL  3(3,0)  Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Deals with the main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

HUM 3800 CAH-PHIL  3(3,0)  Research Methods in Humanities: PR: Junior standing or Honors. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formalizing, and methods for citing references and constructing bibliographies. Occasional.

HUM 4031 CAH-PHIL  3(3,0)  The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

HUM 4301 CAH-PHIL  3(3,0)  The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. An interdisciplinary exploration of religious perspectives concerning secular forms of spirituality from ancient to contemporary periods; critical interrogation of the relationship between religion and spirituality. Occasional.

HUM 4330 CAH-PHIL  3(3,0)  Performance Theory: PR: Junior standing and HUM 2230, or either PHI 2010, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performative, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

HUM 4393 CAH-PHIL  1(1,0)  Portfolio: PR: Last semester as Humanities major. Presentation of a representative sampling of student's best undergraduate work, with appropriate revisions, including a cover narrative indicating development of humanistic knowledge and skills. Graded S/U. Fall, Spring.

HUM 4554 CAH-PHIL  3(3,0)  Religious Quest and Human Dilemma: PR: ENC 1102 or C.I. Critical examination of quests for meaning and value as articulated by religious philosophers dealing with existential questions; emphasizes problems of truth, knowledge, faith and belief. Occasional.

HUM 4556 CAH-PHIL  3(3,0)  Religion and the Arts: PR: One of: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance and ritual practices in religious traditions, with emphasis on the contemporary. Occasional.

HUM 4823 CAH-PHIL  3(3,0)  Queer Theory in the Humanities: PR: HUM 2210 and HUM 2230 and Junior standing or C.I. Developments in queer theory. Challenge to research by scholars, activists, performers, and visual artists. Occasional.

HUM 4933 CAH-PHIL  3(3,0)  Senior Research Seminar: PR: Senior standing and Humanities majors. Three or four semester course on research, developing effective oral and written communication skills. Occasional.

HUM 5802 CAH-PHIL  3(3,0)  Applied Contemporary Humanities: PR: HUM 5803, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. Occasional.

HUM 5803 CAH-PHIL  3(3,0)  Theories and Methods of the Humanities: PR: Junior undergraduate standing and at least one of the following: HUM 3252, HUM 3320, or PHI 4808 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. Fall.

HUM 6002 HPA-HP  3(3,0)  Modern Concepts in Nutrition: An examination of the eating patterns of today's American people. Topics include: nutrients in our diets, consumer demand in the food industry; fast food outlets, food trends and hunger. Fall, Spring.

HUM 3011 CON-NURS  3(3,0)  Human Nutrition: PR: or CR: ZOO 3733C and CHM 1032 or C.I. Essentials of nutrition related to the life cycle, including the physiological, psychosocial and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.


HUM 5247 HPA-HP  3(3,0)  Principles of Human Nutrition: PR: Admission to Health Sciences MS Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. Occasional.
### UCF Courses and Descriptions

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<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
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<tr>
<td>IDH 1921H</td>
<td>Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.</td>
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<tr>
<td>IDH 1923H</td>
<td>Honors Foundation of 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.</td>
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<tr>
<td>IDH 3600H</td>
<td>CAH-PHIL 3(3,0) Honors Case Studies in Ethics: PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinary problems and will participate in team debates. With Honors consent. Fall.</td>
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<tr>
<td>IDH 4030H</td>
<td>BHC-HON 1(3,0) Honors Windows To The World: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts disciplines as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.</td>
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<tr>
<td>IDS 1040C</td>
<td>COS-COM 1(1) Foundations of Leadership: PR: LEAD Scholars Program, Seminar for LEAD Scholars in the College of Arts &amp; Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.</td>
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<tr>
<td>IDS 3160</td>
<td>UGST-INTERDISC 3(1,0) Foundations of Environmental Studies: PR: Junior standing or approved equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.</td>
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<tr>
<td>IDS 3180</td>
<td>HPA-PUB 3(3,0) Civic Engagement: PR: Junior standing and either PAS 360 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. Even Fall, Even Spring.</td>
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<tr>
<td>IDS 3333</td>
<td>UGST-INTERDISC 3(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.</td>
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<tr>
<td>IDS 3334</td>
<td>CAH-HIST 3(3,0) Topics in Latino Studies: PR: ENC 1102. Interdisciplinary course exploring various topics pertaining to Latinos in the U.S. Occasional.</td>
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<tr>
<td>IDS 3933</td>
<td>UGST-INTERDISC 3(3,0) Cornerstone Experience: PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.</td>
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<tr>
<td>IDS 4156</td>
<td>UGST-INTERDISC 3(3,0) Solving Environmental Problems: PR: IDS 3150, ECF 4003, GIS 3043C, GIS 4301C and PUP 3203, or C.I. Capstone course in Environmental Studies focusing on how environmental dilemmas are addressed. Occasional.</td>
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<tr>
<td>IDS 4204C</td>
<td>ECS-ECS 3(2,2) Advanced Topics on Energy and Sustainability: PR: Acceptance into the Energy and Sustainability Minor, Senior standing and Completion of GEP or C.I. Contemporary topics in energy and sustainability, seminars and lectures from industry, academia, government, and UCF speakers. Students are required to work on individual or team assignments, research projects, and present their work in the format of mini seminars. Occasional.</td>
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<tr>
<td>IDS 4215</td>
<td>COS-POLS 3(3,0) Global Perspectives: PR: Completion of general education requirements and junior standing or C.I. The historical and contemporary contexts of globalization. Spring.</td>
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<tr>
<td>IDS 4355</td>
<td>CAH-CAH 3(3,0) Latino Artistic Expressions: PR: IDS 3334 or C.I. Latino culture represented by the Arts in the United States. Odd Spring.</td>
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<tr>
<td>IDS 4934</td>
<td>UGST-INTERDISC 3(3,0) Capstone Experience: PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposure of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic career goals. Fall, Spring. M&amp;S fee $17.00</td>
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<tr>
<td>IDS 4935</td>
<td>COS-SOC 3(3,0) Multidisciplinary Research Methods: PR: McNair Scholar and Junior Standing, Research methods of various disciplines designed for McNair Program Scholars. Occasional.</td>
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<tr>
<td>IDS 5127</td>
<td>COM-MSM 3(3,0) Foundation of Bio-Imaging Science: PR: Graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. Occasional.</td>
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<tr>
<td>IDS 5145</td>
<td>ECS-EMS 3(3,2) Interdisciplinary Course in Simulation: PR: Calculus, matrix algebra, probability and statistics, high level programming language. An interdisciplinary course on simulation with hands-on experience in discrete event modeling, continuous modeling and shared virtual world. May be repeated for credit. Occasional.</td>
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<tr>
<td>IDS 5717C</td>
<td>COS-PYCH 2(2,2) Introduction to Modeling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary science and engineering. Fall.</td>
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<tr>
<td>IDS 5719</td>
<td>COS-PYCH 3(3,0) Qualitative 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.</td>
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<tr>
<td>IDS 5915</td>
<td>CAH-PHIL 3(3,0) Research Methods in Cognitive Sciences: PR: Permission to graduate certificate in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, and behavioral capacities. Fall.</td>
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<tr>
<td>IDS 5936</td>
<td>CAH-PHIL 3(3,0) Topics in Cognitive Sciences: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.</td>
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<tr>
<td>IDR 4204C</td>
<td>COS-PYCH 3(3,2) Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychological principles applicable to problems in industrial organizations. Fall.</td>
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<tr>
<td>IDR 3141C</td>
<td>COS-PYCH 1-3(3,0-9) Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.</td>
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<tr>
<td>IDR 3951</td>
<td>COS-PYCH 3(10,10) Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.</td>
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<tr>
<td>IDR 4252</td>
<td>COS-PYCH 3(3,0) Advanced Industrial Psychology: PR: INP 3004C and PSY 3213C. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment. Occasional.</td>
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<tr>
<td>IDR 4313</td>
<td>COS-PYCH 3(3,0) Organizational Psychology: PR: INP 3004C. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, inter-group behavior, and organization development. Occasional.</td>
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<tr>
<td>IDR 4380</td>
<td>COS-PYCH 3(3,0) Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups from social and applied psychology perspectives. Occasional.</td>
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<tr>
<td>IDR 5825</td>
<td>COS-PYCH 3(3,0) Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.</td>
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<tr>
<td>INR 2002</td>
<td>COS-POLS 3(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.</td>
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<tr>
<td>INR 3016</td>
<td>COS-POLS 3(3,0) Global Political Issues: PR: POS 2041 or C.I. Current and relevant political topics from political development and income gap to gender issues and environmental challenges. Occasional.</td>
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<tr>
<td>INR 3253</td>
<td>COS-LAT 3(3,0) International Politics—Theory: PR: Junior standing or C.I. The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.-African relations. Occasional.</td>
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<tr>
<td>INR 4030</td>
<td>COS-POLS 3(3,0) Diplomacy: PR: POS 2041, Junior standing or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. Spring.</td>
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</table>
| INR 4035     | COS-POLS 3(3,0) International Political Economy: The international politics of regional and global economic interdependence with emphasis on North-South relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.
UCF Courses and Descriptions

ITI 3443 CAH-LANG 3(3,0)
Occasional. and contemporary Italian culture in the natural environment. Dante's Inferno. In English.

ITI 4956 CAH-LANG 3(3,0)
Study Abroad: Modern and contemporary Italian culture, taught in the native environment.

JOU 2100C COS-COMM 3(3,1)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

JOU 3101 CAH-LANG 3(3,0)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

JOU 3201 CAH-LANG 3(3,0)
Editing I: PR: Journalism major or Magazine Journalism minor and meet grammar proficiency requirement. Editing copy, writing headlines, managing newsroom operations. Fall, Spring. M&S fee $15.00

JOU 3304 COS-COMM 3(3,0)
History of American Journalism: Development of mass media, leading innovators, and the media's role in the nation's history. Fall, Spring.

JOU 3305 COS-COMM 3(3,1)
Sports Reporting: PR: Journalism major and a minimum grade of C (2.0) in JOU 2100C. Covering sports for the print media, issues, principles, and practices. Occasional.

JOU 3313C COS-COMM 3(2,1)
Page Design: PR: Journalism major and JOU 3201. Designing newspaper pages, including stories, headlines, and other content. Occasional.

JOU 3421C COS-COMM 3(2,1)
Informational Graphics: PR: Journalism major and a minimum grade of C (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. Occasional.

JOU 3421C COS-COMM 3(2,1)
Page Design: PR: Journalism major and JOU 3201. Designing newspaper pages, including stories, headlines, and other content. Occasional.

JOU 3422 COS-COMM 3(3,0)
Magazine Editing and Production: PR: Journalism major or Magazine Journalism minor, and a minimum grade of C (2.0) in JOU 2100C. Covering the decision process, text, and relationship; the nature of man-woman interactions in ancient Israel.

JST 3120 CAH-JUD 3(3,0)

JST 3121 CAH-JUD 3(3,0)
Classic Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qumran documents, Mishnah, Talmud, the Targum, as well as Jewish mystical writings. Occasional.

JST 3125 CAH-JUD 3(3,0)

JST 3126 CAH-JUD 3(3,0)
Romantic Love in the Bible: PR: ENC 1102, Junior standing. The dimensions of romantic love in the Hebrew Bible. Focus on the depiction of human feelings of love and relationship; the nature of man-woman interactions in ancient Israel.

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.

JPN 2200 CAH-LANG 3(3,1)

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 3312H CAH-JUD 3(3,0)

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 in the biblical era through the Graeco-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-JUD 3(3,0)
Biblical Archaeology: PR: ENC 1102. Examines archaeological excavations in Israel and the ancient Near East to shed light on events and stories recorded in the Bible. Occasional.

JST 3450 CAH-JUD 3(3,0)
Modem Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel. Occasional.

JST 3481 CAH-JUD 3(3,0)
20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Solovechik, within the historical context of European immigration to the U.S. Occasional.

JST 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)
The Holy and the Profane: The Introduction of Secularism into Modern Judaism: PR: ENC 1102 or JST 3401 or JST 3462. Examines cultural, religious, and social processes through traditional Judaism to the beginning of secularism in 18th-19th century European Jewry by studying Hebrew & Jewish Enlightenment. Occasional.

JST 3620 CAH-JUD 3(3,0)

JST 3701 CAH-JUD 3(3,0)

JST 3751 CAH-JUD 3(3,0)

JST 3803 CAH-JUD 3(3,0)
The Israeli Experience in Short Stories: PR: ENC 1102. The Israeli experience in contemporary short stories. Themes include Judaism - Past & Present; War & Peace; Society; the Holocaust; the Ributz and Israeli reality. Occasional.

JST 3810 CAH-JUD 3(3,0)

JST 3820 CAH-JUD 3(3,0)
Modern Hebrew Culture: The Development of the State of Israel. Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. Occasional.

LAE 3414 ED-TL&L 3(3,0)
Literature for Children: PR: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of interests, needs, and abilities of children. Fall, Spring.

LAE 4314 ED-TL&L 3(3,0)
Language Arts in the Elementary School: PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. Fall, Spring.

LAE 4342 ED-TL&L 3(3,0)
Programs in Teaching Language and Composition: PR: EDG 4410 or C.I. LAE 3460 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. Fall, Spring.

LAE 4360 ED-TL&L 3(3,0)
English Instructional Analysis: PR: EDG 4410, EDF 4467, TSL 4080, 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 school and high grade, Fall, Spring.

LAE 4361 ED-TL&L 3(3,0)
Literacy Strategies for Middle and High School: PR: EDG 4323 or ECT 3365 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 Spring.

LAE 4464 ED-TL&L 3(3,0)
Survey of Adolescent Literature: PR: ENC 1101 and admission to the college. This course is designed to explore adolescent/young adult literature from an educational and historical perspective.

LAE 5195 ED-TL&L 3(3,0)
CFWP Teacher Consultant: PR: C.I. This course is designed for Fellows of the CFVP Summer Institute who will plan, practice, and present writing instruction components to public schools. Occasional.

LAH 5205 ED-TL&L 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.

LAH 5319 ED-TL&L 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.

LAH 5337 ED-TL&L 3(3,0)
Literacy Strategies for Middle and Secondary Teaching: PR: EDG 5236 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. Occasional.

LAH 5338 ED-TL&L 3(3,0)
Teaching Writing in Middle and High School: PR: EDG 6236 or C.I. Techniques and methods in teaching dialects, semantics, and the various grammars within the context of writing. Fall, Spring.

LAH 5346 ED-TL&L 3(3,0)
Teaching English Language Arts: PR: EDG 6236 or C.I. Designed for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English. Fall, Spring.

LAE 5367 CAH-ENG 3(3,0)
English Composition and Literature for Teachers of Advanced Placement: PR: Graduate status or senior standing, and C.I. A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.

LAE 5415 ED-TL&L 3(3,0)
Children's Literature in Elementary Education: PR: Graduate selection according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curricula. Spring.

LAE 5456 ED-TL&L 3(3,0)
Literature for Adolescents: PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. Spring.

LAE 5495 ED-TL&L 3(3,0)
Assessing Writing: PR: C.I. Students will explore a variety of strategies for assessing students' writing including holistic scoring, primary trait scoring, and portfolio assessment. Spring.

LAH 3130 CAH-HIST 3(2,0)

LAH 3200 CAH-HIST 3(3,0)

LAH 3400 CAH-HIST 3(3,0)
History of Mexico and Central America: PR: EUH 2000 and 2001 or C.I. A survey of Mexican and Central American history from pre-Columbian times to the present. Occasional.

LAH 3470 CAH-HIST 3(3,0)
History of the Caribbean: PR: EUH 2000 and 2001 or C.I. History of Cuba, Puerto Rico, Dominican Republic, and Haiti from Pre-Columbian times to the present. Occasional.

LAH 4136 CAH-HIST 3(3,0)
Colonial Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. Odd Fall.

LAH 4461 CAH-HIST 3(3,0)

LAH 4480 CAH-HIST 3(3,0)

LAH 4512 CAH-HIST 3(3,0)

LAH 4742 CAH-HIST 3(3,0)
The Mexican Revolution: PR: AMH 2020 or C.I. Political and social history of Mexico since 1910 and domination of one party rule over 70 years. Occasional.

LAH 4750 CAH-HIST 3(3,0)

LAH 5713 CAH-HIST 3(3,0)
Colloquium in U.S.-Latin American Relations: PR: Graduate status or senior standing or C.I. The course will analyze U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussion of selected materials. Occasional.

LAS 5001 CAH-LAS 3(3,0)
Topics in Latin American Studies: Contemporary issues in Latin America including, but not limited to, Amazon rainforest preservation, the Panama Canal, economic embargo of Cuba, NAFTA, drug trafficking, and immigration. Fall, Spring.
FALL

LAT 3101 CAH-LAS (3,0)
Latin American Popular Culture: PR: SPN 1120C and/or SPN 1121C. Examines folklore and digital media of Latin American culture with a special focus on Mexico, Puerto Rico, and Peru. Occasional.

LAT 4023 CAH-AAS (3,0)
African Caribbean Experience: PR: Junior standing or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. Occasional.

LAT 1120C CAH-LANG (4,1)
Elementary Latin Language and Civilization I: introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.

LAT 1120H CAH-LANG (4,1)
Honors Elementary Latin Language and Civilization I: PR: Permission of Honors. Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.

LAT 1121 CAH-LANG (4,1)
Elementary Latin Language and Civilization II: PR: LAT 1120C or equivalent. Continuation of LAT 1120C. Spring.

LAT 1121H CAH-LANG (4,1)
Honors Elementary Latin Language and Civilization II: PR: LAT 1120H or equivalent and permission of Honors. Continuation of LAT 1120H, with honors-level content. Occasional.

LDR 2001 UGST-INTERDISC (2,0)
Foundations of Leadership: PR: Student enrolled in LEAD Scholars, Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.

LDR 2002 UGST-INTERDISC (2,0)

LDR 2262 UGST-INTERDISC (1,0,1)
Focused Volunteer Community Service: Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded S/U. Fall, Spring.

LDR 3215 UGST-INTERDISC (2,0)
Leadership Through Service: An Advanced Leadership Experience: PR: LDR 2001 and LDR 2002. Theories, processes, and leadership role in social change will be explored, contemporary leadership theories and practices related to citizenship and civic engagement will be studied, and leadership will be practiced in various settings. Fall.

LDR 3950 UGST-INTERDISC (2,0)
Leadership in Action: Capstone Experience for LEAD Students: PR: LDR 3215. Leadership theories and programs, including related principles and practices. Students will develop a professional portfolio, reflect on their course of study, practice public speaking, and articulate their leadership philosophy. Spring.

LIN 3010 CAH-ENG (3,0)

LIN 3673 CAH-ENG (3,0)
Grammar & Advanced Prose Style: PR: ENC 1102. Build on fundamental principles of grammatical correctness by learning and practicing the techniques that today’s expert writers use to increase sentence clarity and elegance. Occasional.

LIN 3713 HPA-COM SC&DIS (3,0)
Language Science: PR: or CR: SPA 3471. Language components, models of language production and comprehension, and theories of language development. Fall, Spring.

LIN 3716 HPA-COM SC&DIS (3,0)
Language Development: PR: LIN 3713; CR: LIN 3716L. Spoken and written language development from infancy to adulthood. Fall, Spring.

LIN 3716L HPA-COM SC&DIS (2,0,2)

LIN 3717 HPA-COM SC&DIS (3,0)

LIN 4105 CAH-ENG (3,0)
History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern, Fall. Spring.

LIN 4600 CAH-WRITE (3,0)
Language and Society: PR: Grade of C (2.0) or better required in ENC 1102. Examines language and society, including the relationship of sociolinguistic variations to identity and culture. Occasional.

LIN 4615 CAH-ENG (3,0)
African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinesics, proxemics, paralinguistics, and gender roles. Occasional.

LIN 4643 CAH-ENG (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 (3,0)
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 (3,0)
Linguistics and Literature: PR: Grade of C (2.0) or better required in LIN 3010 or C.J. Language study as an aid to understanding literature. Occasional.

LIN 4680 CAH-ENG (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 (3,0)
Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. Fall, Spring.

LIN 4711L HPA-COM SC&DIS (1,0,1)
Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language samples across the lifespan. Graded S/U. Fall, Spring.

LIN 4801 CAH-ENG (3,0)
Linguistics 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 (3,0)
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 (3,0)
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 (3,0)
Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of 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 (3,0)
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 (3,0)
World Literature II: PR: ENC 1102. Readings from Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 2120H CAH-ENG (3,0)
World Literature II - Honors: PR: Permission of Honors. Same as LIT 2120, with honors-level content. Occasional.

LIT 3082 CAH-ENG (3,0)
Continental European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3192 CAH-ENG (3,0)
Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture, in English. Occasional.

LIT 3192H CAH-ENG (3,0)
Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture, taught in English. Honors content. Occasional.

LIT 3202 CAH-ENG (3,0)
Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3313 CAH-ENG (3,0)

LIT 3313H CAH-ENG (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 (3,0)
Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3383 CAH-ENG (3,0)
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, Tom Morrisson, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG (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, Tom Morrisson, Adrienne Rich, Gwendolyn Brooks. Honors content. Occasional.

LIT 3394 CAH-ENG (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.
MAC 2311H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1114 with a grade of "C" (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and "C" (2.0) or better in MAC 1141 or MAC 1140, or MAC 2147 of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit for MAC 2311. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2312H COS-MATH 4(4,0) Calculus with Analytic Geometry II: PR: MAC 2311 or 2311H or MAC 1140C with a C (2.0) or better in MAC 2311, or score of 5 on the Calculus AB Advanced Placement Exam, or C.I. Differentiation and integration of transcendental functions; inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2313H COS-MATH 4(4,0) Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 4 or 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stokes' Theorem. Fall, Spring.

MAC 2311H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1114 with a grade of "C" (2.0) or better, or score of 3 or better on the Calculus AB Advanced Placement Exam, 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. Not open to students with credit for MAC 2311. The "NC" grading policy applies to this course. With Honors consent. Fall, Spring.

MAD 2104 COS-MATH 3(3,0) Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAD 2403 COS-MATH 3(3,0) Applied Combinatorics: PR: MAC 2312, and either MHF 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets; recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. Fall.

MAD 4301 COS-MATH 3(3,0) Graph Theory: PR: MAC 2313 and MHF 3302, or C.I. Graph theory; isomorphism; connectivity; traversability; matchings, factorizations; planarity, colorings, and Ramsey theory. Spring.

MAD 4203 COS-MATH 3(3,0) Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Polya's theory of counting; Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. Odd Spring.

MAD 2801 ED-TL&L 4(3,1) Elementary School Mathematics: PR: MAC 1105C or MHF 1108. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAD 4300 ED-CFCS 3(3,0) Math Curriculum Assessment in the Childhood: PR: EEC 4661, EEC 4207; CR: EEC 3940. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAD 4326 ED-TL&L 3(3,0) How Children Learn Mathematics: PR: MAD 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning; evaluation of mathematical learning, and diagnostic techniques. Fall, Spring. M.S. fee $10.00.

MAD 4360 ED-TL&L 4(3,2) Mathematics Instructional Analysis: PR: EDG 4323. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.


MAD 5357 ED-TL&L 3(3,0) Teaching Middle School Mathematics: PR: EDG 6225 or EDG 6236 or C.I. The course will focus on issues which have special application for teaching mathematics. Spring.

MAD 5358 ED-TL&L 3(3,0) Current Issues 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.

MAD 5933 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and issues with international status. Fall.

MAN 2021 BA-MAN 3(3,0) Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(4,0) Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 4(4,0) Honors Management of Organizations: PR: Junior standing and business major or minor, permission of Honors, ECO 2013, ECO 2023 and ACG 2071. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and control. Applicable to honors students. Occasional.

MAN 3301 BA-MAN 3(3,0) Management of Human Resources: PR: Junior standing and approved major or minor. MAN 3520. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.


MAN 3354 BA-MAN 3(3,0) Employee Training for Non-Business Majors: PR: MAN 3525. Employee training needs and practices as defined and administered by supervisors and managers under the direction of organizational specialists. Design for non-business majors. Occasional.


MAN 4029 BA-MAN 3(3,0) Service Organization Management: PR: Management major, MAN 3025 and MAN 3350. Study of the special characteristics, problems, and methods for managing service-oriented organizations. Occasional.

MAN 4101 BA-MAN 3(3,0) Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4240 BA-MAN 3(3,0) Organizations: Theory and Behavior: PR: Management major, MAN 3025. A general, macro approach to organization-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 4310 BA-MAN 3(3,0) Human Resource Management Issues: PR: Management major, Junior standing, MAN 3025. An orientation-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, 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, 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) Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. Occasional.

MAN 4521 BA-MAN 3(3,0) Production Planning and Control: PR: Management major, MAN 3520. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4583 BA-MAN 3(3,0) Project Management: PR: GE 3303 and MAN 3025. Foundations of project management in assorted business organizations (large/small; manufacturing/service; for profit/ not for profit). Covers all project phases from initiation to termination. Occasional.
MAN 4600 BA-MAN 3(3,0)
International Management: PR: Approved major or minor, MAP 3025. This course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0)
Business Ethics and Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today’s complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 BA-MAN 4(4,0)
Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403C and GEB 3001. Students assume a strategic view of organizations and integrate and apply material learned in a sponsoring organization to modern organizational problems and opportunities. Fall, Spring.

MAN 4720H BA-MAN 4(4,0)

MAN 4802 BA-MAN 3(3,0)
Entrepreneurship: PR: GEB 3001 or (MAN 3025 and MAR 3023). Study of entrepreneurship with emphasis on innovative planning, organizing, product and service concepts, and organizing and developing and 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 4941 BA-MAN 3(0,3)
Management Internship: PR: Management major, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. Occasional.

MAN 5021 BA-MAN 1.5(1,0)
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-BAN 2(2,0)

MAN 5867 BA-BAN 3(3,0)

MAP 2302 COS-MATH 3(3,0)
Differential Equations: PR: Grade of “C” (2.0) or better in MAC 2312. Methods of solution for first order equations. Linear equations, Laplace transforms. Series solutions. Selected applications. Fall, Spring.

MAP 2302H COS-MATH 3(3,0)
Differential Equations (Honors): PR: Grade of “C” (2.0) or better in MAC 2312, and permission of Honors. Methods of solution for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. Occasional.

MAP 3482H COS-MATH 3(3,0)

MAP 3923 COS-MATH 1(1,0)
Frontiers in Mathematical Research: Colloquium and Put-It-To-Use: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 3937 COS-MATH 1(1,0)
Techniques of Problem Solving: PR: MAC 2311 and CR: MAC 2312, or C.I. Methods for solving problems in a wide variety of standing or C.I. methods of problem solving, with an emphasis on mathematical programming and writing of solutions. Graded S/U. May be repeated for credit. Fall.

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)

MAP 4363 COS-MATH 3(3,0)

MAP 4364 COS-MATH 3(3,0)

MAP 4371 COS-MATH 3(3,0)

MAP 4384 COS-MATH 3(3,0)

MAP 5006 COS-MATH 3(3,0)
Introduction to Quantitative Aspects of Modeling and Simulation: PR: MAC 2323, graduate status or senior standing, or C.I. An introduction to calculus, matrix algebra, probability and statistics, and high level programming languages. A student who has mastered this content does not have to take this course. Occasional.

MAP 5117 COS-MATH 3(3,0)
Mathematical Modeling: PR: STA 4321, MAP 4363, 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(3,0)

MAP 5396 COS-MATH 3(3,0)
Splines and Data Fitting: PR: MAT 3106, MAT 3409, and MAP 2302, and graduate status or senior standing 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 computation. Occasional.

MAP 5404 COS-MATH 3(3,0)
Mathematical Foundations for Industrial Engineering and Operations: PR: MAP 2302, ESI 5219 or equivalent, ESI 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 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 applications to engineering. Occasional.

MAP 5514 COS-MATH 3(3,0)
Linear and Nonlinear Waves: PR: MAP 2302, MAP 4383, and graduate status or senior standing, or C.I. Equations of motion in viscous and inviscous fluids, energy equations 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 presented for a sense of diversity. Occasional.

MAR 3023 BA-MAR 4(4,0)
Marketing: PR: Admission to UCF. Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. Fall, Spring.

MAR 3023H BA-MAR 4(4,0)
Marketing - Honors: PR: Permission of Honors College. Honors introductory course in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. Fall.

MAR 3203 BA-BAN 4(4,0)
Supply Chain Management: PR: Consent of Honors. Planning and management of all activities involved in designing and managing the processes, assets, flows of materials and information required to meet customer’s demands. Fall, Spring.

MAR 3203H BA-MAR 4(4,0)
Honors Supply Chain Management: PR: Consent of Honors. Planning and management of all activities involved in designing and managing the processes, assets, flows of materials and information required to meet customer’s demands. With Honors content. Fall, Spring.

MAP 5395 BA-MAR 3(3,0)
Integrated Marketing Communications: 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 sales promotion and public relations programs consistent with integrated marketing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0)
Professional Selling: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor: Written and verbal communications skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling. Fall, Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MAR 3391H</td>
<td>BA-MAR</td>
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<td>MAR 3403</td>
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<td>MAR 3503</td>
<td>BA-MAR</td>
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<td>MAR 3613</td>
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<td>MCB 1310C</td>
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<td>MCB 2004C</td>
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<td>MCB 4304</td>
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</table>

### Description

1. **Healthcare Marketing**:
   - **Course Code**: MAR 3403
   - **Credit Hours**: (3,0)
   - **Prerequisites and Appropriate Major or Minor**: Study of marketing as it applies to healthcare managers, intermediaries and providers. Occasional.

2. **Entertainment Marketing**:
   - **Course Code**: MAR 3503
   - **Credit Hours**: (3,0)
   - **Prerequisites and Appropriate Major or Minor**: Marketing Major or Minor and MAR 3503 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.

3. **Marketing Management**:
   - **Course Code**: MAR 3721
   - **Credit Hours**: (3,0)
   - **Prerequisites and Appropriate Major or Minor**: Contemporary marketing and the implementation of services strategies. Fall, Spring.

4. **Marketing Strategy**:
   - **Course Code**: MAR 3765
   - **Credit Hours**: (3,0)
   - **Prerequisites and Appropriate Major or Minor**: Exploration of how marketing and entrepreneurship affect and are affected by one another. Fall, Spring.

5. **Intermediate Algebra**:
   - **Course Code**: MAT 1033C
   - **Credit Hours**: (2,4)
   - **Prerequisites and Appropriate Major or Minor**: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions, radicals, rational exponents, linear and quadratic equations. Linear inequalities, and applications of information concerning external forces impacting market decision making. Occasional.

6. **Linear Algebra**:
   - **Course Code**: MAS 5145
   - **Credit Hours**: (3,0)
   - **Prerequisites and Appropriate Major or Minor**: Application of linear algebra to problems relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, leisure, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.

7. **Microbiology for Health Professionals**:
   - **Course Code**: MCB 2004C
   - **Credit Hours**: (4,3)
   - **Prerequisites and Appropriate Major or Minor**: A survey of microbiology for the health professional. Spring. M&S fee $45.00.

8. **Principles of Infectious Disease**:
   - **Course Code**: MCB 3202C
   - **Credit Hours**: (3,0)
   - **Prerequisites and Appropriate Major or Minor**: Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunology, vaccines and antimicrobials, and virulence mechanisms. Occasional.

9. **Pathogenic Microbiology**:
   - **Course Code**: MCB 3522
   - **Credit Hours**: (3,0)
   - **Prerequisites and Appropriate Major or Minor**: Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee $45.00.

10. **Pathogenic Microbiology Lab**:
    - **Course Code**: MCB 3522L
    - **Credit Hours**: (1,0)
    - **Prerequisites and Appropriate Major or Minor**: Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee $45.00.
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>MCB 3522H</td>
<td>Biotechnology and Genetic Engineering Seminar</td>
<td>3(3.0)</td>
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<td>MCB 4203</td>
<td>Infectious Processes</td>
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<td>MCB 4204</td>
<td>Cellular Microbiology: Host-Pathogen Interactions</td>
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<td>MCB 4276</td>
<td>Epidemiology of Infectious Diseases</td>
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<td>MCB 4720</td>
<td>Industrial Perspective Seminar</td>
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<tr>
<td>MCB 4721C</td>
<td>Methods in Biotechnology</td>
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<td>MCB 4920C</td>
<td>Group-Effort Applied Research</td>
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<td>PR: Mac 3202C</td>
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<td>MCB 5205</td>
<td>Infectious Processes</td>
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<td>Cellular Microbiology: Host-Pathogen Interactions</td>
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<td>MCB 5505</td>
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**Note:**
- M&S fee: $70.00
- M&S fee: $45.00

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**Course Descriptions:**

- **MCB 3522H:** Biotechnology and Genetic Engineering Seminar. Introduction to the principles, applications, laws, ethics, and impact of biotechnology and genetic engineering in agriculture, medicine, forestry, environment, computer/industrial chemical engineering and business administration. Occasional.

- **MCB 4114C:** Deterministic & Stochastic Microbiology. Principles and applications of determining parameters and nomenclature techniques for identifying and characterizing the phyto and taxa of bacteria. Occasional. M&S fee: $15.00

- **MCB 4203:** Infectious Processes. PR: Mac 3202C. The infectious process and the response of host cells and tissue to infection. Fall.

- **MCB 4204:** Cellular Microbiology: Host-Pathogen Interactions. PR: Mac 3202C. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

- **MCB 4276:** Epidemiology of Infectious Diseases. PR: Mac 3202C. An in-depth study of the molecular biology of diseases in experimental animal models and human populations. Occasional.

- **MCB 4312:** Molecular Biotechnology. PR: Mac 3202C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents; and regulations. Fall.

- **MCB 4414:** Microbial Metabolism. PR: Mac 3202C, CR: BCH 4053. Interrelationship between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.


- **MCB 4603:** Environmental Microbiology. PR: Mac 3202C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

- **MCB 4720:** Industrial Perspectives Seminar. PR: Biotechnology major and CR: Mac 3202C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. Fall.

- **MCB 4721C:** Methods in Biotechnology. PR: BSC 3432C. Fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee: $70.00

- **MCB 4920C:** Group-Effort Applied Research. PR: Mac 3202C and BSC 3432C. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on highly parallel technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

- **MCB 5205:** Infectious Processes. PR: Mac 3202C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

- **MCB 5208:** Cellular Microbiology: Host-Pathogen Interactions. PR: Grad. standing, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.
UCF Courses and Descriptions


MLS 4830C COM-M&M 4(4,8) Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4625, MLS 4630. Clinical instruction and practice in the clinical laboratory. In-depth examination review, hands on practice on both the student lab and affiliate. Fall. M&S fee $15.00

MLS 4831C COM-M&M 4(4,8) Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4550C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. Fall. M&S fee $15.00

MLS 4832C COM-M&M 4(4,8) Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 4550, MLS 4550C. Advanced study of hematology and pathophysiologic correlation to hematology disorders. Correlation of case studies and clinical practice in both student labs and clinical affiliates. Fall. M&S fee $15.00

MLS 4833C COM-M&M 4(4,8) Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4550, MLS 4550C. Clinical application of modern bactericidal procedures with clinical specimens to include mycology & virology and appropriate quality control. Clinical practice in both student lab and affiliate. Fall. M&S fee $15.00

MLS 4834C COM-M&M 4(4,8) Advanced Instrumentation: PR: Admission to the MLS program, MLS 4550, MLS 4550C. An examination review & practice of techniques impacting the clinical laboratory to include flow cytometry, PCR, LIS, robotics. Case studies will be a fundamental part of this course. Occasional.


MMC 4411 COS-COMM 3(3,0) Advertising and Public Relations: PR: As PR majors only and ADV 3008, PUR 4000, PUR 3100 or ADV 4101. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. Even Fall, Odd Spring.

MMC 4602 COS-COMM 3(3,0) Contemporary Media Issues: PR: RTV 3007 or C.J. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media's relationship with government. Even Spring.

MUC 1101C CAH-MUSIC 2(1,1) Composition I: PR: Open to qualified majors and non-music majors with C.J. Creative work in small forms. May be repeated for credit. Fall, Spring.

MUC 2104C CAH-MUSIC 2(1,1) Composition II: PR: MUC 1101C and Music or composition major. Composition of Composition 1. Competence determined by faculty jury. May be repeated for credit. Fall, Spring.

MUC 3105C CAH-MUSIC 3(1,1) Composition III: PR: MUC 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4106C CAH-MUSIC 4(1,1) Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4950 CAH-MUSIC 0(0,0) Composition Recital: CR: MUC 4106C. Culuminating public concert of works written while studying Composition I-IV. Graded S/U. Odd Fall.

MUC 5112 CAH-MUSIC 2(1,0) Composition V: PR: Graduate standing in music education or C.J. 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 or MUC 1101C, or C.J. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. Occasional.

MUC 7240 CAH-MUSIC 2(2,0) Introduction to Music Education: PR: None. An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. Fall.

MUC 8211 ED-CFCF 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.

MUC 8234 CAH-MUSIC 1(0,2) Vocal Techniques: PR: Music major or C.J. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.

MUC 8240 CAH-MUSIC 1(0,2) vocal Techniques: PR: MUED major, junior standing or C.I. Class instruction in string playing and pedagogical techniques. Spring. M&S fee $30.00

MUC 8250 CAH-MUSIC 1(0,2) Woodwind Techniques I: PR: MUED major, Junior standing or C.J. Class instruction in woodwind playing and pedagogical techniques. Fall.

MUC 8260 CAH-MUSIC 1(0,2) Brass Techniques: PR: MUED major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUC 8270 CAH-MUSIC 1(0,2) Percussion Techniques: PR: MUED major, junior standing or C.J. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&S fee $35.00

MUC 8271 CAH-MUSIC 1(1,1) Percussion Techniques II: PR: MUC 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

MUC 8320 ED-TL&L 1(1,1) Music in the Elementary School: PR: EDF 2005; CR: ARE 4313, HLF 4722, RED 4519, MAE 4326, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.
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**UCF Courses and Descriptions**

The table above lists various courses offered by the University of Central Florida, categorized by course number and title. Each course entry includes the number of credits and the terms in which the course is offered. The courses cover a wide range of topics, from music education and theory to specific fields like American Popular Music, Medieval and Renaissance Music, and Jazz Styles and Analysis.
UCF Courses and Descriptions

MUL 2014 CAH-MUSIC 3(3,0)
Introduction to Music History and Literature: PR: Music major or C.I. Musical repertoires and cultures from the Western art music tradition, American jazz, and non-western music. Odd Fall.

MUL 2016 CAH-MUSIC 3(3,0)
Evolution of Jazz: Survey of jazz literature and performance. Fall, Spring.

MUL 2720 CAH-MUSIC 3(3,0)

MUL 3381 CAH-MUSIC 3(3,0)
Contemporary Popular Music: PR: MUL 2010 or MUL 1122 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. Spring.

MUL 3400 Piano Literature I: PR: Major in Music or C.I. Survey of stringed keyboard literature from the 16th century to the present, with emphasis on technical, formal and performance problems. Odd Fall.

MUL 3401 Piano Literature II: PR: MUL 3400. Continued study of piano literature. Odd Fall.


MUL 347 CAH-MUSIC 3(3,0)

MUL 3438 Guitar Literature and Pedagogy: PR: MUL 2014. Important literature written for guitar instruments, and pedagogy from the Renaissance to the present. Odd Fall.


MUL 5215 CAH-MUSIC 3(3,0)

MUL 5436 CAH-MUSIC 3(3,0)
Guitar Literature and Pedagogy: PR: Graduate standing in Music or C.I. Survey of significant repertoire and pedagogy for classical guitar. Odd Spring.

MUL 5439 String Literature and Pedagogy: PR: Graduate standing in Music or C.I. Study of string literature from the Baroque period to the 20th century, along with prominent pedagogical principles. Odd Fall.

MUL 547 CAH-MUSIC 3(3,0)
Woodwind Literature and Pedagogy: PR: Graduate standing in Music or C.I. Major works written for woodwind instruments, as well as the study of the basic concepts and techniques fundamental to teaching woodwind instruments. Odd Spring.

MUL 548 Brass Literature and Pedagogy: PR: Graduate standing in Music or C.I. Significant brass repertoire, study materials and a review of teaching techniques for artistic brass performance. Even Fall.

MUM 5806 CAH-MUSIC 3(3,0)
Performing Arts Management: PR: Graduate status or senior standing or C.I. Structure of nonprofit performing arts organization (PAOs), examining the fundamental elements of administration, audience development, marketing, and fund-raising. Spring.

MUN 2442 CAH-MUSIC 1(1,0)
Percussion/Mallet Ensemble: PR: C.I. Preparation and performance of music for percussion with mallets. May be repeated for credit. Fall, Spring. M&S fee $30.00

MUN 3113 CAH-MUSIC 2(0,8)
Marching Band: PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. Fall. M&S fee $36.54

MUN 3123 CAH-MUSIC 1(0,3)
Concert Band: PR: Open to all students with audition. Study and performance of music for large ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3143 CAH-MUSIC 1(0,4)
Wind Ensemble: PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3283 CAH-MUSIC 1(0,5)
Symphony Orchestra: PR: Audition. Open to all students by audition. Rehearsal and performance of works from the symphonic repertoire. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3313 CAH-MUSIC 1(3,0)
University Choir: PR: C.I. Open to all students by audition. Study and performance of large ensemble music. Possible tours. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3323 CAH-MUSIC 1(0,3)
Women's Chorus: PR: Audition and C.I. Study and performance of music for women's voices. Open to all students. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3343 CAH-MUSIC 1(0,3)
Madrigal Singers: PR: C.I. Open to all students by audition. Extra rehearsals and Madrigal Dinners required. Tours. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3423 CAH-MUSIC 1(0,2)
Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3426 CAH-MUSIC 1(1,0)
Saxophone Ensemble: PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all saxophones. May be used in the degree program a maximum of 6 times. Fall, Spring. M&S fee $20.00

MUN 3427 CAH-MUSIC 1(1,0)
Flute Ensemble: PR: Student must pass an audition in front of the instructor. Study and performance of music written for an ensemble comprised of all flutes. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $20.00

MUN 3431 CAH-MUSIC 1(0,2)
Brass Quintet: PR: Audition and Consent of Instructor. Rehearsal and performance of music for brass quintet. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

MUN 3433 CAH-MUSIC 1(0,2)
Brass Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3437 CAH-MUSIC 1(1,0)
Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. Occasional. M&S fee $20.00

MUN 3443 CAH-MUSIC 1(0,2)
Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $35.00

MUN 3444 CAH-MUSIC 1(1,0)
Mallet Ensemble: PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. Fall, Odd Spring. M&S fee $35.00

MUN 3453 CAH-MUSIC 1(0,3)
Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3483 CAH-MUSIC 1(0,2)
String Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3487 CAH-MUSIC 1(0,2)
Guitar Ensemble: PR: Audition or C.I. Study and performance of music for guitar ensemble. May be used in the degree program a maximum of 8 times. Odd Spring. M&S fee $20.00

MUN 3713 CAH-MUSIC 1(0,4)
Jazz 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 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 pre-classical music. 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 $25.00

MUN 5215 CAH-MUSIC 1(0,5)
Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5325 CAH-MUSIC 1(0,3)
Women's Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women's voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5368 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 5385 CAH-MUSIC 1(0,3)
Graduate University Chorus: PR: Graduate standing in Music Education and C.I. Study and performance of large ensemble music. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00
MUN 5445 CAH-MUSIC 1(0.2) 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.

MUO 2501C CAH-MUSIC 2(1,1) Opera Skills: PR: Open to all students by audition. Integration of singing, acting, and movement in opera; explores basic stage movement, character preparation, and performance of opera arias. Fall.

MUO 3503L CAH-MUSIC 4(4,0) Opera Workshop: PR: MUO 2501C, or C.I., and audition. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 6 times. Occasional. M&S fee $70.00.

MUO 5505L CAH-MUSIC 1(0.3) Graduate Opera Workshop: PR: C.I. and audition. Study of audition techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $70.00.

MUT 1010 CAH-MUSIC 0(9.2) Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall. Spring.

MUT 1250 CAH-MUSIC 1(2.0) IPA for Singers: PR: Music major or C.I. The International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. Odd Fall.


MUS 2360C CAH-MUSIC 1(2.2) Introduction to Music Technology: PR: Music or Digital Media major or C.I. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CoS, and the Internet. Fall, Spring. M&S fee $15.83.


MUS 3593 CAH-MUSIC 0(1.0) Recital Performance I: PR: Junior Level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC 3(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 3(3.0) Health and Wellness for the Performing Musician: PR: MUT 2127 or C.I. Basic musculoskeletal anatomy, posture, common injuries and injury prevention, mental training, performance anxiety, practical performance, and pedagogic applications. Even Spring.

MUS 4900 CAH-MUSIC 3(3.0) 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 S/U. Occasional.

MUS 4905 CAH-MUSIC 1-4(1-4) Directed Experience: PR: C.I. and Junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 4954 CAH-MUSIC 0(1.0) Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 5365 CAH-MUSIC 3(3.0) Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. Occasional.

MUS 5670 CAH-MUSIC 3(3.0) Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.


MUT 1004 CAH-MUSIC 3(3.0) Fundamentals of General Music I: Basic music theory and reading music at the keyboard. Fall.

MUT 1121 CAH-MUSIC 4(2.3) Music Theory and Musicianship I: PR: MUT 1004 or C.I. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1122 CAH-MUSIC 4(2.3) Music Theory and Musicianship II: PR: MUT 1121 or C.I. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2126 CAH-MUSIC 4(2.3) Music Theory and Musicianship III: PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 3170 CAH-MUSIC 3(3.0) Jazz Theory I: PR: MUT 1112 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3171 CAH-MUSIC 3(3.0) Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Fall.

MUT 3622 CAH-MUSIC 3(3.0) Analytical Approaches to Musical Rhythm: PR: MUT 2127 or equivalent. Contemporary, cognitive, hypometric, and projective approaches to musical rhythm in dance, performance, and non-Western music. Occasional.

MUT 3923 CAH-MUSIC 3(3.0) Jazz Workshop: PR: MUT 3171 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. Odd Spring.

MUO 4031 CAH-MUSIC 1(1.0) Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.


MUO 4401 CAH-MUSIC 3(3.0) Counterpoint: PR: MUT 2127. Counterpoint in Western music from the 16th to the 20th Centuries. Even Spring.

MUO 4571 CAH-MUSIC 3(3.0) Analysis of Twentieth-Century Music: PR: MUT 2127 or equivalent. Technical and theoretical analysis for various styles of twentieth-century music. Odd Fall.

MUO 5316 CAH-MUSIC 3(3.0) Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. Odd Spring.

MUO 5381 CAH-MUSIC 3(3.0) Arranging and Composing Music: PR: Satisfactionary 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.

MUO 5445 CAH-MUSIC 3(3.0) Counterpoint: PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day. Even Spring.

MUO 5620 CAH-MUSIC 3(3.0) Analysis of Twentieth Century Music: PR: Graduate standing in Music or C.I. Analysis of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. Fall.

MUO 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 1212 CAH-MUSIC 10(1) Secondary French Horn: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in French Horn. Intended for non-music majors. May be repeated for credit. Fall, Spring.
MVB 1213 CAH-MUSIC 1(0,1)
Secondary Trombone: PR: Consent of Music Chair, CR: Performing ensemble. Advanced instruction in trombone. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1214 CAH-MUSIC 1(0,1)
Secondary Euphonium: PR: Consent of Music Chair, CR: Performing ensemble. Advanced instruction in euphonium, intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1215 CAH-MUSIC 1(0,1)
Secondary Tuba: PR: Consent of Music Chair, CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1411 CAH-MUSIC 2(1,1)
Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC 2(1,1)
French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC 2(1,1)
Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC 2(1,1)
Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Even Spring.

MVB 2421 CAH-MUSIC 2(1,1)
Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1)
French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1)
Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC 2(1,1)
Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1)
Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC 2-3(1,1)
Trumpet III: PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3432 CAH-MUSIC 2-3(1,1)
French Horn III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3433 CAH-MUSIC 2-3(1,1)
Trombone III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3434 CAH-MUSIC 2-3(1,1)
Euphonium III: PR: MVB 2424 and competence determined by faculty jury. 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.
Jazz Drum Set V: PR: Audition; graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring. M&S fee $35.00

MVK 1111 CAH-MUSIC 1(0.2) Class Piano I: Class instruction for beginning piano students. Open to non-music majors whose major performing medium is piano. Fall, Spring.

MVK 1112 CAH-MUSIC 1(0.2) Class Piano II: PR: MVK 1111, Music major, or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1211 CAH-MUSIC 1(0.1) Secondary Piano I: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in piano. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVK 1411 CAH-MUSIC 2(1,1) Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 1800 CAH-MUSIC 2(2.0) Keyboard Class I: Keyboard training for non-Music students with no prior keyboard training. Fall, Spring.

MVK 1801 CAH-MUSIC 2(1,1) Keyboard Class II: PR: MVK 1800. Continuation of Keyboard class I. Occasional.

MVP 1411 CAH-MUSIC 2(1,1) Percussion I: PR: Major in music or consent of chair, audition. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVP 2421 CAH-MUSIC 2(1,1) Percussion II: PR: MVP 1411 and competence determined by faculty jury. Continuation of MVP 1411. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVP 3431 CAH-MUSIC 2-3(1,1) Percussion III: PR: MVP 2421 and competence determined by faculty jury. Intensive advanced performance study of percussion. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $35.00

MVP 3630 CAH-MUSIC 2(0) Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. Fall, Spring.

MVP 4441 CAH-MUSIC 4(1,1) Percussion IV: PR: MVP 3431 and competence determined by faculty jury. Intensive advanced performance study of percussion for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $50.00

MVS 1211 CAH-MUSIC 1(0,1) Secondary Violin: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1212 CAH-MUSIC 1(0,1) Secondary Viola: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in viola. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1213 CAH-MUSIC 1(0,1) Secondary Cello: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in cello. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1214 CAH-MUSIC 1(0,1) Secondary Bass: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bass. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1216 CAH-MUSIC 1(0,1) Secondary Guitar: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in guitar. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1411 CAH-MUSIC 2(1,1) Violin I: PR: Major in music or consent of chair, audition. May be repeated for credit. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVS 4346</td>
<td>CAH-MUSIC</td>
<td>Guitar IV: PR: MVS 4346 and competence determined by faculty jury. Intensive advanced performance study of the guitar, for performance majors. May be used in the degree program a maximum of 3 times.</td>
<td>(1,1)</td>
</tr>
<tr>
<td>MVS 4441</td>
<td>CAH-MUSIC</td>
<td>Voice IV: PR: MVS 4341 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times.</td>
<td>(1,1)</td>
</tr>
<tr>
<td>MVS 4442</td>
<td>CAH-MUSIC</td>
<td>Viola IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the viola, for performance majors. May be used in the degree program a maximum of 3 times.</td>
<td>(1,1)</td>
</tr>
<tr>
<td>MVS 4443</td>
<td>CAH-MUSIC</td>
<td>Cello IV: PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times.</td>
<td>(1,1)</td>
</tr>
<tr>
<td>MVS 4444</td>
<td>CAH-MUSIC</td>
<td>Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the string bass, for performance majors. May be used in the degree program a maximum of 3 times.</td>
<td>(1,1)</td>
</tr>
<tr>
<td>MVS 4445</td>
<td>CAH-MUSIC</td>
<td>Harp IV: PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the harp, for performance majors. May be used in the degree program a maximum of 3 times.</td>
<td>(1,1)</td>
</tr>
<tr>
<td>MVS 4511</td>
<td>CAH-MUSIC</td>
<td>Violin Vi: PR: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td>(1,0)</td>
</tr>
<tr>
<td>MVS 4521</td>
<td>CAH-MUSIC</td>
<td>Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td>(1,0)</td>
</tr>
<tr>
<td>MVS 4531</td>
<td>CAH-MUSIC</td>
<td>Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td>(2,0)</td>
</tr>
<tr>
<td>MVS 4545</td>
<td>CAH-MUSIC</td>
<td>Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td>(2,0)</td>
</tr>
<tr>
<td>MVS 4551</td>
<td>CAH-MUSIC</td>
<td>Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td>(2,0)</td>
</tr>
<tr>
<td>MVS 4565</td>
<td>CAH-MUSIC</td>
<td>Guitar V: PR: Graduate status or senior standing and C.I. May be used in the degree program a maximum of 4 times.</td>
<td>(2,0)</td>
</tr>
<tr>
<td>MVS 1111</td>
<td>CAH-MUSIC</td>
<td>Class Voice: Class instruction in beginning voice. May be repeated for credit.</td>
<td>(1,0)</td>
</tr>
<tr>
<td>MVS 1411</td>
<td>CAH-MUSIC</td>
<td>Voice I: PR: Major in music or consent of chair, audition. May be repeated for credit.</td>
<td>(2,1)</td>
</tr>
<tr>
<td>MVS 1873</td>
<td>CAH-MUSIC</td>
<td>Secondary Voice: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in voice. Intended for non-music majors. May be repeated for credit.</td>
<td>(1,0)</td>
</tr>
<tr>
<td>MVS 2421</td>
<td>CAH-MUSIC</td>
<td>Voice II: PR: MVS 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVS 1411. Major in music or consent of chair, audition. Private and class lessons. May be repeated for credit 2 times.</td>
<td>(1,1)</td>
</tr>
<tr>
<td>MVS 3431</td>
<td>CAH-MUSIC</td>
<td>Voice III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times.</td>
<td>(2,1)</td>
</tr>
<tr>
<td>MVS 3441</td>
<td>CAH-MUSIC</td>
<td>Voice IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times.</td>
<td>(2,1)</td>
</tr>
<tr>
<td>MVS 4460</td>
<td>CAH-MUSIC</td>
<td>Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer.</td>
<td>(2,0)</td>
</tr>
<tr>
<td>MVS 4461</td>
<td>CAH-MUSIC</td>
<td>Voice Pedagogy II: PR: C.I. Continuation of MVS 4460. Intermediate to advanced levels. May be repeated for credit.</td>
<td>(1,0)</td>
</tr>
<tr>
<td>MVS 5451</td>
<td>CAH-MUSIC</td>
<td>Voice V: PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 4 times.</td>
<td>(2,1)</td>
</tr>
<tr>
<td>MVS 5651</td>
<td>CAH-MUSIC</td>
<td>Voice Pedagogy: PR: Graduate standing or senior standing and C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer.</td>
<td>(3,0)</td>
</tr>
<tr>
<td>MVS 1211</td>
<td>CAH-MUSIC</td>
<td>Secondary Flute: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in flute. Intended for non-music majors. May be repeated for credit.</td>
<td>(0,1)</td>
</tr>
<tr>
<td>MVS 1212</td>
<td>CAH-MUSIC</td>
<td>Secondary Oboe: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in oboe. Intended for non-music majors. May be repeated for credit.</td>
<td>(1,0)</td>
</tr>
<tr>
<td>MVS 1213</td>
<td>CAH-MUSIC</td>
<td>Secondary Clarinet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in clarinet. Intended for non-music majors. May be repeated for credit.</td>
<td>(1,0)</td>
</tr>
<tr>
<td>MVS 1214</td>
<td>CAH-MUSIC</td>
<td>Secondary Bassoon: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bassoon. Intended for non-music majors. May be repeated for credit.</td>
<td>(0,1)</td>
</tr>
<tr>
<td>MVS 1215</td>
<td>CAH-MUSIC</td>
<td>Secondary Saxophone: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in saxophone. Intended for non-music majors. May be repeated for credit.</td>
<td>(0,1)</td>
</tr>
<tr>
<td>MVS 1411</td>
<td>CAH-MUSIC</td>
<td>Flute I: PR: Major in music or consent of chair, audition. May be repeated for credit.</td>
<td>(2,1)</td>
</tr>
<tr>
<td>MVS 1412</td>
<td>CAH-MUSIC</td>
<td>Oboe I: PR: Major in music or consent of chair, audition. May be repeated for credit.</td>
<td>(2,1)</td>
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<tr>
<td>MVS 1413</td>
<td>CAH-MUSIC</td>
<td>Clarinet I: PR: Major in music or consent of chair, audition. May be repeated for credit.</td>
<td>(2,1)</td>
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<tr>
<td>MVS 1414</td>
<td>CAH-MUSIC</td>
<td>Bassoon I: PR: Major in music or consent of chair, audition. May be repeated for credit.</td>
<td>(2,1)</td>
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<tr>
<td>MVS 1415</td>
<td>CAH-MUSIC</td>
<td>Saxophone I: PR: Major in music or consent of chair, audition. May be repeated for credit.</td>
<td>(2,1)</td>
</tr>
<tr>
<td>MVS 2421</td>
<td>CAH-MUSIC</td>
<td>Flute II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit.</td>
<td>(2,1)</td>
</tr>
<tr>
<td>MVS 2422</td>
<td>CAH-MUSIC</td>
<td>Oboe II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit.</td>
<td>(2,1)</td>
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<tr>
<td>MVS 2423</td>
<td>CAH-MUSIC</td>
<td>Clarinet II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit.</td>
<td>(2,1)</td>
</tr>
<tr>
<td>MVS 2424</td>
<td>CAH-MUSIC</td>
<td>Bassoon II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit.</td>
<td>(2,1)</td>
</tr>
<tr>
<td>MVS 2425</td>
<td>CAH-MUSIC</td>
<td>Saxophone II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit.</td>
<td>(2,1)</td>
</tr>
<tr>
<td>MVS 3431</td>
<td>CAH-MUSIC</td>
<td>Flute III: PR: MVS 2421 and competence determined by faculty jury. Continuation of MVS 2421 and competence determined by faculty jury.</td>
<td>(3,1)</td>
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<tr>
<td>MVS 3432</td>
<td>CAH-MUSIC</td>
<td>Oboe III: PR: MVS 2422 and competence determined by faculty jury. Continuation of MVS 2422 and competence determined by faculty jury.</td>
<td>(2,1)</td>
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<tr>
<td>MVS 3433</td>
<td>CAH-MUSIC</td>
<td>Clarinet III: PR: MVS 2423 and competence determined by faculty jury. Continuation of MVS 2423 and competence determined by faculty jury.</td>
<td>(2,1)</td>
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<tr>
<td>MVS 3434</td>
<td>CAH-MUSIC</td>
<td>Bassoon III: PR: MVS 2424 and competence determined by faculty jury. Continuation of MVS 2424 and competence determined by faculty jury.</td>
<td>(2,1)</td>
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<tr>
<td>MVS 3435</td>
<td>CAH-MUSIC</td>
<td>Saxophone I: PR: MVS 2425 and competence determined by faculty jury. Continuation of MVS 2425 and competence determined by faculty jury.</td>
<td>(2,1)</td>
</tr>
<tr>
<td>MVS 4441</td>
<td>CAH-MUSIC</td>
<td>Flute IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be repeated for credit.</td>
<td>(1,1)</td>
</tr>
<tr>
<td>MVS 4443</td>
<td>CAH-MUSIC</td>
<td>Clarinet IV: PR: MVS 3433 and competence determined by the clarinet, for performance majors. May be used in the degree program a maximum of 3 times.</td>
<td>(1,1)</td>
</tr>
<tr>
<td>MVS 4444</td>
<td>CAH-MUSIC</td>
<td>Bassoon IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times.</td>
<td>(1,1)</td>
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<tr>
<td>MVS 4445</td>
<td>CAH-MUSIC</td>
<td>Saxophone IV: PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times.</td>
<td>(1,1)</td>
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<tr>
<td>MVS 5451</td>
<td>CAH-MUSIC</td>
<td>Oboe I: PR: Major in music or consent of chair, audition. May be repeated for credit.</td>
<td>(2,1)</td>
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<tr>
<td>MVS 5452</td>
<td>CAH-MUSIC</td>
<td>Oboe I: PR: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td>(2,1)</td>
</tr>
</tbody>
</table>
NUR 3028 CON-NURS 2(2,0) Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3055L and NUR 3056L, NUR 3065L, NUR 3065L, NUR 3065L, NUR 3064L, NUR 3064L, NUR 3064L, Apply nursing process and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. Fall.

NUR 3028L CON-NURS 1(1,0) Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3028L and NUR 3065L, NUR 3065L, NUR 3065L, NUR 3065L, NUR 3064L, NUR 3064L, NUR 3064L, Apply nursing process and core scientific principles to technical psychomotor nursing skills. Graded S/U. Fall. M&S fee $45.00

NUR 3065 CON-NURS 2(2,0) Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Fall, Spring.

NUR 3065L CON-NURS 1(1,0) Health Assessment Laboratory: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&S fee $15.00

NSP 3125 CON-NURS 3(3,0) Pathophysiology for Nursing Practice: PR: Admission to BSN program. Successful completion of the first semester in the nursing curriculum. CR: Concurrent enrollment in NUR 3225; NUR 3225L; NUR 3145; NUR 3445L; NUR 3445L, Concepts of critical care nursing. Application of principles of the pathophysiological basis of illness. Fall.

NSP 3145 CON-NURS 3(3,0) Pharmacology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3445; NUR 3445L, Principles of pharmacology and application to nursing practice. Fall.

NSP 3165 CON-NURS 3(3,0) Nursing Research: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program students: successful completion of the first semester; for RN to BSN students: NUR 3805 and RN status; C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.

NSP 3165H CON-NURS 3(3,0) Nursing Research: PR: Permission of honors; admission to nursing and completion of previous nursing courses; STA 2014C or 2023; co-requisites per the plan of study or in consultation with Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. Occasional.

NSP 3167 CON-NURS 1(2,0) Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. Spring.

NSP 3225 CON-NURS 3(3,0) Nursing Care of the Adult I: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125; NUR 3145; NUR 3445L; NUR 3445L, Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall.

NSP 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 first semester of the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125; NUR 3145; NUR 3445L; 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 5871 CON-NURS 3(3,0) Health Care Informatics: PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. May be used in the degree program a maximum of 2 times. 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: Graduate standing and admission to the M.S. in Nursing or Doctor of Nursing Practice Program tracks or C.I. Concepts and skills for advanced health assessment over the lifespan. Application of the diagnostic reasoning process through differential diagnostic models. May be used in the degree program a maximum of 2 times. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3445 CON-NURS</td>
<td>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, theoretical and skill management for childbearing and childbearing families. Fall.</td>
</tr>
<tr>
<td>NUR 3445L CON-NURS</td>
<td>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 3225L; NUR 3125; NUR 3145; NUR 3445. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. Fall M&amp;S fee $45.00.</td>
</tr>
<tr>
<td>NUR 3634 CON-NURS</td>
<td>3(3,0) Community Health Nursing: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall.</td>
</tr>
<tr>
<td>NUR 3634L CON-NURS</td>
<td>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 3634L. EsSENTIALS of community health nursing focusing on community as client, and levels of prevention across the lifespan. Graded S/U. Fall. M&amp;S fee $45.00.</td>
</tr>
<tr>
<td>NUR 3755L CON-NURS</td>
<td>2(0,6) Essentials of Nursing Practice Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634L; NUR 3634L. 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&amp;S fee $45.00.</td>
</tr>
<tr>
<td>NUR 3805 CON-NURS</td>
<td>3(3,0) Dimensions of Professional Nursing Practice: PR: Nursing major/junior level or C.I.; ENC 1101. Theoretical and practical aspects of professional nursing practice for RN to BSN students. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 3806 CON-NURS</td>
<td>1(1,0) Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Spring.</td>
</tr>
<tr>
<td>NUR 3825 CON-NURS</td>
<td>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.</td>
</tr>
<tr>
<td>NUR 3825H CON-NURS</td>
<td>2(2,0) The Role of the Professional Nurse Honors: PR: Admission to BSN program. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. Fall.</td>
</tr>
<tr>
<td>NUR 3936 CON-NURS</td>
<td>2(2,0) 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.</td>
</tr>
<tr>
<td>NUR 4177 CON-NURS</td>
<td>3(3,0) Holistic Nursing: Explore lived experience of health-wellness, body-mind-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.</td>
</tr>
<tr>
<td>NUR 4197 CON-NURS</td>
<td>3(3,0) Genetics and Genomics in Nursing Practice: PR: NUR 3125, RN Licensure, or C.I. The application of genetics and genomic principles to clinical nursing practice. Occasional.</td>
</tr>
<tr>
<td>NUR 4227 CON-NURS</td>
<td>4(0,4) Nursing Care of the Adult II: PR: Admission to the BSN program, CR: successful completion of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4335; NUR 4335L; or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring.</td>
</tr>
<tr>
<td>NUR 4227L CON-NURS</td>
<td>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 4335; NUR 4335L; or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Spring.</td>
</tr>
<tr>
<td>NUR 4257 CON-NURS</td>
<td>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.</td>
</tr>
<tr>
<td>NUR 4286 CON-NURS</td>
<td>3(3,0) Gerontologic Nursing: PR: NUR 4286 or RN licensure or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.</td>
</tr>
<tr>
<td>NUR 4349 CON-NURS</td>
<td>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.</td>
</tr>
<tr>
<td>NUR 4535 CON-NURS</td>
<td>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 4335L. Nursing interventions of mental health and the prevention, treatment and rehabilitation of mental illness. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 4535L CON-NURS</td>
<td>2(0,6) Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4495L; NUR 4495L Practicum; NUR 4637L; NUR 4495L. Concepts of public health nursing focusing on population-based health care delivery systems. Fall. Spring.</td>
</tr>
<tr>
<td>NUR 4637L CON-NURS</td>
<td>1(0,3) Public Health Nursing Clinical: PR: Admission to BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4495L; NUR 4495L; NUR 4495L. Clinical Course to apply concepts of public health nursing. Students will complete findings of community assignments completed in NUR 4637L Public Health Nursing. Graded S/U. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 4675 CON-NURS</td>
<td>3(3,0) Issues in Rural Health Care: PR: NUR 3065 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.</td>
</tr>
<tr>
<td>NUR 4760 CON-NURS</td>
<td>3(3,0) Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Occasional.</td>
</tr>
<tr>
<td>NUR 4765 CON-NURS</td>
<td>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.</td>
</tr>
<tr>
<td>NUR 4827 CON-NURS</td>
<td>3(3,0) Leadership and Management Principles: PR: NUR 3065, RN Status or C.I. Scientific theories and principles of leadership and management function in leadership, management, and teaching roles in professional nursing. Application of decision making process. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 4828 CON-NURS</td>
<td>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.</td>
</tr>
<tr>
<td>NUR 4828H CON-NURS</td>
<td>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. Occasional.</td>
</tr>
<tr>
<td>NUR 4837 CON-NURS</td>
<td>3(3,0) Health Care Issues, Policy, and Economics: PR: Permission of Honors; admission to the BSN program; successful completion of the first two semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4335L. Nursing interventions of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 4837H CON-NURS</td>
<td>3(3,0) Honors Health Care Issues, Policy, and Economics: PR: Permission of Honors; admission to the BSN program; successful completion of the first two semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4335L. Nursing interventions of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 4906 CON-NURS</td>
<td>3(3,0) Variable Independent Study: Directed Study. Graded S/U or Letter grade. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>NUR 4907H CON-NURS</td>
<td>3(3,0) Directed Reading/Research-Honors: PR: Permission of Honors and program director. 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.</td>
</tr>
<tr>
<td>NUR 4930 CON-NURS</td>
<td>3(3,0) Health Issues in Minority and Special Populations: PR: Nursing Majors/Junior Level, or C.I. Identifies and critically analyzes structural and sociocultural factors that influence the health of minorities and special populations. Occasional.</td>
</tr>
</tbody>
</table>
NUR 4942L CON-NURS 3(0,3) Nursing Practicum for International Students: PR: C.I. Fall. Opportunities for clinical nursing practice for international students. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

NUR 4945L CON-NURS 4(0,4) Nursing Practicum: PR: Admission to the BSN program; STA 2044 or STA 2044C. For Basic program successful completion of the first three semesters; for RN to BSN students; NUR 3005 and RN status or C.I. Designed to enhance student’s knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4971H CON-NURS 1-3(1-3) Thesis or Project Works-Honors: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. Occasional.


OSE 3490 OPT-OPT 3(3,0) Nanophotonics: PR: PHY 2040C or C.I. Optical photonics; growth, fabrication and interactions with elements of physics & engineering. Occasional.

OSE 4052 OPT-OPT 3(3,0) Introduction to Photonics: PR: EEL 3470. Properties of light as rays, waves, fields, and photons. Introduction to optical devices, fibers, and lasers. Applications in imaging, signal processing, sensing, communications, and displays. Fall.

OSE 4470 OPT-OPT 3(3,0) Optical Fiber Communication Systems: PR: EEE 3350 and OSE 4052. Introduction to the principles and design of optical fiber communication systems including the optoelectronic devices used in transmitters and receivers. Spring.

OSE 4830 OPT-OPT 3(3,0) Introduction to Imaging Systems: PR: EEL 3123C and OSE 4052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic and hyperspectral systems. Remote sensing and biological and medical applications. Spring.

OSE 5041 OPT-OPT 3(3,0) Introduction to Wave Optics: PR: EEL 4440 or PHY 4440 or C.I. Electronic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.


OSE 5312 OPT-OPT 3(3,0) Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials; classical and quantum mechanical description of optical properties. Fall, Spring.

OSE 5313 OPT-OPT 3(3,0) Materials for Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OSE 5414 OPT-OPT 3(3,0) Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices such as diodes, lasers, and quantum well semiconductor devices. Fall.

OSE 5630C OPT-OPT 3(2,1) Thin Film Optics: PR: PHY 4424 or EEL 4440 or OSE 5041 or OSE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasional.

PAD 3003 HPA-PUB 3(3,0) Public Administration in American Society: PR: PUB 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. Ethical dimensions of public administration. Development of personal values, 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 3930 HPA-HPA 1(1,0) American Humimics Human Service Workshop: PR: Enrollment in American Humimics Minor or National Certificate Program through American Humimics Program office. Discussion and activity based course exploring concepts and processes to prepare students for management and leadership positions in human services. Student Association activities included. May be repeated for credit. Fall, Spring.

PAD 4034 HPA-PUB 3(3,0) The Administration of Public Policy: PR: ECO 2003. 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 administrative practice. 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.

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 non profit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0) Resource Development in the Nonprofit Sector: PR: Junior 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. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. Fall, Spring.

PAD 4223 HPA-PUB 3(3,0) Public Budgeting: Skills and Techniques: PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysis, focusing on the process of generating and using information. Occasional.

PAD 4253 HPA-PUB 3(3,0) Community & Economic Development: PR: PAD 3003 or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. Fall.

PAD 4325 HPA-PUB 3(3,0) Program Evaluation for Public and Non-Profit Organizations: PR: 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, subdivisions, controls, redevelopment and sprawl. Fall.

PAD 4334 HPA-PUB 3(3,0) Urban Design: CR: PAD 4333 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: 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, Spring.

PAD 4395 HPA-PUB 3(3,0) Disaster Response and Recovery: 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) Public Personnel Administration: The history, operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. Fall, Spring.

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 currently faced. Occasional.

PAD 4461 HPA-PUB 3(3,0) Reengineering Government: PR: PAD 3203. Acquaint 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 RFP or ITB, contract award and contract management. Occasional.
UCF Courses and Descriptions

PAD 4712 HPA-PUB 3(3,0)
Information Systems for Public Managers and Planners: PR: PAD 3330 or C.I. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 HPA-PUB 3(3,0)
Survey Research in Public Administration: Introduction to the techniques, 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, budgeting, and public relations. Graded S/U. Occasional.

PAD 4948 HPA-PUB 3(0,3)
American Humanities Internship: PR: Enrollment in American Humanities AH Certification Program, completion of AH restricted electives, and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humanities certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. Fall, Spring.

PAD 5041 HPA-PUB 3(3,0)
Ethics and Values in Urban Administration: Examination of ethics in the public sector. Public concerns, past ethical issues, and contemporary ethical 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 method. Occasional.

PAD 5145 HPA-PUB 3(3,0)
Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree. Nonprofit certificate or C.I. Volunteer development in nonprofit organizations, including board selection, development and leadership, volunteer recruitment, training, retention and theories of motivation, leadership, ethical issues. Fall, Spring.

PAD 5146 HPA-PUB 3(3,0)

PAD 5336 HPA-PUB 3(3,0)
Introduction to Urban Planning: Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning. Fall.

PAD 5337 HPA-PUB 3(3,0)
Urban Design: Planning techniques such as planned unit developments, capital improvements planning, and growth management, and planning methods, including needs assessment and graphic design. Fall.

PAD 5338 HPA-PUB 3(3,0)
Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Spring.

PAD 5356 HPA-PUB 3(3,0)
Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policies and managerial issues at the local level. Spring.

PAD 5425 HPA-PUB 3(3,0)
Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427 HPA-PUB 3(3,0)

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)

PAF 3755H 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)
Zoo and Aquarium Management: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PCB 3023 COS-BIOL 3(3,0)
Molecular Cell Biology: PR: BSC 2010C, CHM 2210, and PCB 3063, or C.I. Structure and function of eukaryotic cells including bioenergetics, protein structure and function, chromosome structure, DNA repair and recombination, membrane structure and transport, intracellular vesicle trafficking, cell signaling, apoptosis and cell cycle control and organization and functions of the cytoskeleton and extracellular matrix. Fall, Spring.

PCB 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 microscopic experimental approaches to understanding cell structure and function. Occasional.

PCB 3044 COS-BIOL 3(3,0)

PCB 3044L COS-BIOL 3(3,0)
Principles of Ecology Laboratory: PR: or CR: PCB 3024L 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. and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.

PCB 3063L COS-BIOL 1(0,3)
Genetics Laboratory: PR: or CR: PCB 3063 or C.I. Introduction to laboratory techniques of genetics. Fall. M&S fee $28.00

PCB 3233 COM-M&M 3(3,0)
Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immune therapy. Fall.

PCB 3333L COM-M&M 1(0,3)
Immunology Laboratory: PR: PCB 3233. Introduction to laboratory techniques in immunology. Fall. M&S fee $45.00

PCB 3301C COS-BIOL 4(3,4)

PCB 3304C COS-BIOL 4(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 week field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.

PCB 3442 COS-BIOL 3(3,0)

PCB 3522 COM-M&M 3(3,0)
Molecular Biology I: PR: CHM 2111 and MCB 3020 or C.I. The general principles governing the structure and function of both procaryotic and eucaryotic genes. 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 $70.00

PCB 3703H COM-M&M 4(3,3)
Human Physiology Honors: PR: BSC 2010C, CHM 2046 and consent of Honors College. The physiology and interrelationships of organ systems of the human body. With honors level content. Fall.

PCB 4028 COM-M&M 3(3,0)
Molecular and Cellular Pharmacology: PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

PCB 4174 COM-M&M 3(3,0)

Molecular Immunology: PR: PCB 3522. Advanced understanding of the workings of the immune system, cellular and molecular mechanisms with clinical cases. Spring.

Tissue Engineering: PR: MCB 3020C or CHM 2045C. Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. Occasional.

Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

Physiochemical Limnology: PR: BSC 2010C and BSC 2011C, or C.I. Limnology and methods for freshwater ecology, with respect to physical, and chemical parameters. Occasional. M&S fee $15.00


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.

Genetics II: PR: PCB 3063. Advanced topics in Genetics, including extra-nuclear inheritance, epigenesis, gene and chromosome mutation, genetics of development and behavior, and advanced genetic analytical techniques. Occasional.

Molecular Biology II: PR: PCB 3522. The processes regulating gene function in procaryotes and eucaryotes; specialized genetic aspects underlying multi-cellular existence. DNA evolution. Spring.

Molecular Biology II-Honors: PR: Permission of Honors and PCB 3522. Same as PCB 4525 with honors level content. Spring.


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.

Evolution and Medicine: PR: PCB 4524 or C.I. Evolutionary theory and perspectives to investigate problems in human health and disease. Odd Fall.

Evolutionary Biology: PR: A grade of “C” (2.0) or better in PCB 3044 and PCB 3063 or C.I. Demographic and genetic structure of populations and their relationship to speciation, adaptation and macroevolutionary processes in plants and animals. Fall, Spring.

Evolutionary Biology Lab: PR: or CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology. Fall, Spring. M&S fee $10.00

Population Genetics: PR: Grade C or better in PCB 3063 and PCB 4663, or C.I. Field of population genetics and the study of the various forces that result in evolutionary changes through time. Even Spring.

Laboratory Virtual Simulations in Physiology: CR: PCB 4833C. Conduct experiments in physiology that enhance the ability to design, conduct, analyze data and report results in a scientific manner. Fall.

Animal Physiology: PR: PCB 3023 or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology. Fall.

Comparative Endocrinology: PR: PCB 3023 and PCB 3044, or C.I. Hormonal regulation of an animal’s physiological responses to environmental changes. Occasional.


Molecular Aspects of Obesity, Diabetes & Metabolism: PR: PCB 3522 or BCH 4053. Advanced topics of physiological processes at the cellular, molecular and system level. Spring.

Cellular and Molecular Basis of Brain Functions: PR: PCB 3522, PCB 3703C, ZOO 3733C. Designed to provide advanced undergraduate students the basic concepts required to understand the physiological basis of brain functions at the molecular, cellular and system levels. Fall.

Advanced Human Physiology: PR: PCB 3522, PCB 3703C, ZOO 3733C. Advanced topics of physiological processes at the cellular, molecular and system levels. Fall.

Advanced Human Physiology: PR: PCB 3522, PCB 3703C, ZOO 3733C. Advanced topics of physiological processes at the cellular, molecular and system levels. Fall.

Cellular and Molecular Pharmacology: PR: Graduate standing, PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

Conservation Biology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Designed to provide graduate students the concepts required to enhance the ability to design, collect, analyze data and report results in a scientific manner. Even Fall.

Advanced Human Physiology: PR: Graduate standing or C.I. Designed to provide graduate students advanced knowledge of physiological processes at the cellular, molecular and system levels. Fall.

Advanced Human Physiology: PR: Graduate Standing or C.I. Designed to provide graduate students advanced knowledge of physiological processes at the cellular, molecular and system levels. Fall.

Cellular and Molecular Basis of Brain Functions: PR: Graduate Standing or C.I. Designed to provide graduate students the concepts required to understand the physiological basis of brain functions at the cellular, molecular and system levels. Fall.

Population Genetics: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Population genetics and the study of the various forces that result in evolutionary changes through time. Even Spring.

Interviewing and Counseling: PR: PSY 2012, PPE 3013 and C.I. A review of various interviewing and counseling theories and techniques used in Mental Health settings as well as practical experience in interviewing and counseling procedures. Fall, Spring.
PEL 2111 ED-CFCS 2(1,1) Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional. M&S fee $5.00

PEL 2112 ED-CFCS 2(1,1) Intermediate Bowling: PR: PEL 2111, bowling experience and a 140 average on league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

PEL 2120 ED-CFCS 2(1,1) Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring. M&S fee $5.00

PEL 2122 ED-CFCS 2(1,1) Intermediate Golf: PR: PEL 2121 or equivalent competency. A study of performance and application of intermediate skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2341 ED-CFCS 2(1,1) Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional. M&S fee $3.00

PEL 2342 ED-CFCS 2(1,1) Intermediate Tennis: PR: PEL 2341 or equivalent competency. Performance and application of advanced skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2640 ED-CFCS 2(1,1) Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional. M&S fee $6.00

PEM 2101 ED-CFCS 2(1,1) Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2104 ED-CFCS 3(2,1) Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall, Spring.

PEM 2121C ED-CFCS 3(1,3) Yoga: Performance and application of a series of basic movements, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered. Fall, Spring. M&S fee $3.00

PEM 2127C ED-CFCS 2(1,1) Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional. M&S fee $3.00

PEM 2131 ED-CFCS 2(1,1) Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring. M&S fee $5.00

PEM 2134C ED-CFCS 2(1,1) Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional. M&S fee $3.00

PEM 2171 ED-CFCS 2(1,1) Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEM 2173 ED-CFCS 2(1,1) Step Aerobics: Appropriate rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEM 2175 ED-CFCS 2(1,1) Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEM 2176C ED-CFCS 2(1,1) Cardio Kickboxing: Proper technique and fundamentals of cardio kickboxing. Occasional. M&S fee $6.00

PEM 2179C ED-CFCS 2(1,1) Boot Camp Fitness: Study and application of aerobic and anaerobic fitness activities to improve core strength, posture, breath control, body alignment and flexibility. Occasional.

PEM 2405 ED-CFCS 3(1,2) Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

PEM 2443 ED-CFCS 2(1,2) Tae Kwon Do: An analysis and application of the martial arts as an overall physical and mental training system. Occasional.

PEM 5408C ED-CFCS 3(2,1) Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.

PET 1121 ED-CFCS 2(1,1) Elementary Swimming: For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. Occasional.

PEO 2011 ED-CFCS 3(2,1) Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring. M&S fee $5.00

PEO 2031 ED-CFCS 3(2,1) Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring. M&S fee $9.00

PEO 2623C ED-CFCS 2(1,1) Officiating Basketball: Skills, knowledge, and practical experiences in basketball officiating. Occasional. M&S fee $6.00

PEO 2624 ED-CFCS 3(2,1) Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall.

PEO 3041 ED-CFCS 3(3,0) Games Analysis: PR: Admission to Physical Education program. The analysis of skill performance and team strategies. Spring.

PEO 3219 ED-CFCS 3(2,0) Coaching Baseball and Softball: PR: Admission to Sport and Fitness program/minors or C.I. Theories and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. Fall.

PEO 3324 ED-CFCS 3(2,1) Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

PEO 3514C ED-CFCS 3(2,1) Coaching Soccer: PR: Admission to Sport and Fitness program/minors or C.I. Theories and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Occasional.


PET 2081 ED-CFCS 1(1,0) Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 2084 ED-CFCS 3(3,0) Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science program. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.

PET 3097 ED-CFCS 3(3,0) Health and Wellness: PR: Admission into the Sport and Exercise Science program. Explore wellness through scientific principles related to mortality and morbidity. Students will interpret indicators, evaluate choices using assessment-intervention-reinforcement protocols. Fall, Spring.

PET 3125 ED-CFCS 3(3,0) Fitness and Weight Management: PR: Admission to Sport and Fitness Program. ZOO 3765C, PET 4215, PET 4550C (all required); or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.

PET 3137 ED-CFCS 3(3,0) Coaching and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or C.I. Examination of experiences in Sport and Exercise Science program: concepts, practices, and science. Fall, Spring.


PET 3361 ED-CFCS 3(3,0) Nutrition and Metabolism in Sport and Exercise Science: PR: PET 2084, BSC 2010C. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, metabolism, and athletic performance in sport and exercise sciences. Fall, Spring.

PET 3510C HPA-HP 3(2,1) Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles.

PET 3740C ED-CFCS 2(1,1) Teaching Physical Education in the Secondary and Middle School (6-12): PR: Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

PET 3765 ED-CFCS 3(3,0) Coaching Theory: PR: Admitted to COE or C.I. Theories of coaching team and individual sports. Fall, Spring.

PET 3785 ED-CFCS 3(3,0) Group Exercise Instruction: PR: Admission to Sport and Fitness Program. ZOO 3765C, PET 4550C, PET 4312C (all required); or C.I. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.

PET 3771 ED-CFCS 3(3,0) Strength and Conditioning Concepts: PR: PET 2084. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. Fall, Spring.

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)

PET 3941 ED-CFCS 6(0,16)

PET 4002 ED-CFCS 3(1,2)
Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the "adventure activity curriculum," camping, water activities, fishing, orienteering, 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 4520C, PET 4312C (all required); or C.I. An in-depth study into personal training and fitness related concepts. Spring.

PET 4088 ED-CFCS 3(3.0)

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 athletic performance. Fall, Spring.

PET 4312C ED-CFCS 3(2,1)
Kinesiology/Biomechanics: PR: PET 2084, BSC 2010c. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall, Spring.

PET 4315C HPA-HP 3(2,2)
Biomechanics of Sport: PR: PHY 2053C or PHY 2048C & L. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Spring.

PET 4315C ED-CFCS 3(2.1)
Exercise Physiology: PR: PET 2084, BSC 2010c, and either PGY 4312C or ZOO 3733C or ZOO 3736C. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to sport and exercise science. Fall, Spring.

PET 4401 ED-CFCS 3(3.0)
Administration and Evaluation in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Addressing administrative, measurement and evaluation aspects of Sport and Fitness programs. Fall, Spring.

PET 4500C ED-CFCS 3(2,1)
Assessment and Evaluation in Exercise Science: PR: PET 4351C. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Fall, Spring.

PET 4552 ED-CFCS 3(3.0)
Exercise Prescription for Special Populations: PR: BSC 2010c and PET 4351C. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercise for populations dealing with aging, osteoporosis, diabetes, obesity, heart disease, and pregnancy. Fall, Spring.

PET 4600 HPA-HP 3(3.0)

PET 4640 ED-CFCS 3(3.0)
Adapted Physical Education: Principles and methods of adapted education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

PET 4710 ED-CFCS 3(3.0)
Methods for Physical Activity for Children and Adolescents: PR: Admission to the College of Education and/or the 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 philosophic considerations of physical education programs. Occasional.

PET 4763 ED-CFCS 3(3.0)
Coaching Methods And Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/ coaching strategies with emphasis given to conditioning and leadership styles. Occasional.

PET 4823C ED-CFCS 3(2,1)
Teaching Sports Skills II: PR: PET 3820. Skill proficiency and knowledge to plan, implement and evaluate sports skills. 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 9(0,0)

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 5216 ED-CFCS 3(3.0)
Motivational Aspects of Coaching: PR: Graduate standing and/or C.I. Assist students to understand and conceptually integrate mental and physical performance, moral and ethical issues and ideas relative to contemporary image making. Occasional.

PET 5255 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, and neuromuscular, cardiovascular, and respiratory systems during exercise. 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 and/or C.I. Specializes in coaching and sport leadership in self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. Occasional.

PET 5767 ED-CFCS 3(3.0)

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.

PET 2401C CAH-SVAD 3(3,2)
Beginning Photography: PR: PET 2020C, ART 2300C or C.I. Introduction to photography with an art emphasis. Fall. M&S fee $45.00.

PET 3002 CAH-SVAD 3(3,0)
Contemporary Photography: PR: PET 2010C or C.I. Late 20th and 21st century (1970's-present) contemporary movements in photography, special emphasis on issues, ideas, and ideas relative to contemporary image making. Occasional.

PET 3265C CAH-SVAD 3(2,4)
Photographic Lighting Techniques: PR: PET 2107, PET 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.

PET 3276 CAH-SVAD 3(3,0)
The Professional Environment: PR: PET 2020C 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.

PET 3410C CAH-SVAD 3(3,2)

PET 3451C CAH-SVAD 3(2,4)

PET 3480 CAH-SVAD 3(3,0)
Museum and Gallery Practices: PR: PET 3002. Contemporary Photography. The museum and gallery environment focusing on the acquisition and display of photographic materials and curatorial functions. The course includes a service learning component. Occasional.

PET 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. 35 MM SLR camera with manual mode required. Fall, Spring. M&S fee $45.00.

PET 3620C COS-COMM 3(1,2)

PET 3630 COS-COMM 3(3,0)

PET 3651C CAH-SVAD 3(2,4)
Narrative Editorial Photography: PR: PGY 2655. 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.

PET 3653C CAH-SVAD 3(2,4)
Advanced Editorial Photography: PR: PGY 3651C. Exploration of imagery created to illustrate articles, including still-life, portrait, documentary, and/or fashion photography. Emphasis on the creation of multiple or conceptually seamless images. Spring. M&S fee $45.00.

PET 3700C CAH-SVAD 3(2,4)
Photography & the Web: PR: PGY 3821C or C.I. Advanced issues in digital imaging, emphasis on professional output solutions for the photographer such as web as well as interface, large format printing, and film recorder. Occasional. M&S fee $45.00.

PET 3751C CAH-SVAD 3(2,4)
Videojugery: PR: PGY 3821C or C.I. Creation of video narratives using the digital environment. Occasional.

PET 3821C CAH-SVAD 3(2,4)
Photo Visualization: PR: PGY 2210C, 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

PHI 4472C CAH-PHIL 3(2,1) Philosophy of Art: PR: PGY 4472C, or PGY 3002, or C.I. A study of the aesthetic experience and the nature of art. Fall, Spring. M&S fee $40.00

PHI 5100C CAH-PHIL 3(3,0) Ethics of Virtual Worlds: PR: PHI 2010. Course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. Occasional.

PHI 3451 CAH-PHIL 3(3,0) Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological theories and other psychological issues. Occasional.

PHI 3601 CAH-PHIL 3(1,0) Practical Wisdom: PR: Junior standing or PHI 2010 or C.I. Course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. Occasional.

PHI 3625 CAH-PHIL 3(3,0) Virtual Ethics: PR: COP 3052C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3626 CAH-PHIL 3(3,0) Advanced Ethics in Science and Technology: PR: COP 3052C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3672 CAH-PHIL 3(3,0) Animal Ethics: PR: PHI 2010 or C.I. Major issues in the fields of animal ethics, including both theoretical and applied dimensions. Occasional.

PHI 3683 CAH-PHIL 3(3,0) Philosophy of Friendship: PR: One of: PHI 2010, PHI 3670, PHI 3638, or C.I. Philosophical aspects of friendship, focusing on its interpersonal, moral, social, and political significance and implications. Occasional.

PHI 3684 CAH-PHIL 3(3,0) Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of "the good life." Occasional.

PHI 3700 CAH-PHIL 3(3,0) Philosophy of Religion: PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. Odd Spring.

PHI 3720 CAH-PHIL 3(3,0) Faith and Reason: PR: REL 2300 or PHI 2010 or C.I. Emergence of two discrete ways of knowing: Faith and Reason. Occasional.
Gross Anatomy/Neuroscience II Lab: PR: PHT 3112L. CR: PHT 3113L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. Occasional.
PHT 3113 L HPA-HP 3(3,0)

Regional cadaver dissection. PR: PHT 3112; PHT 3259. Lab course emphasizing use of various therapeutic exercise modalities. Occasional.
PHT 3259 L HPA-HP 2(2,0)

PHT 5218 HPA-HP 2(2,0)

2(2,0) PR: PHY 2049C. Electrical, magnetism, optics. Fall, Spring. M&S fee $15.00

PHT 5718 HPA-HP 2(2,0)

PHT 5718L HPA-HP 1(0,2)

Neurological Physical Therapy Lab: PR: CR Neurological Physical Therapy. Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee $45.00
PHT 5240 L HPA-HP 1(1,0)

Patient Care Skills: PR: 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 5260 L HPA-HP 1(0,2)

Patient Care Skills Lab: PR: Patient Care Skills. Lab course emphasizing therapeutic exercise for the treatment of patients with musculoskeletal dysfunction. Spring. M&S fee $15.00
PHT 5241 HPA-HP 2(2,0)

PHT 5241L HPA-HP 2(2,0)

Therapeutic Exercise I Lab: PR: CR Therapeutic Exercise I. Lab course emphasizing therapeutic exercise for the treatment of patients with musculoskeletal dysfunction. Spring.
PHT 5240 HPA-HP 2(2,0)

PHT 5240L HPA-HP 2(0,4)

Patient Care Skills: PR: Patient Care Skills. Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee $45.00
PHT 5240 HPA-HP 2(2,0)

PHT 5240L HPA-HP 2(0,4)

PHT 4230 HPA-HP 2(2,0)

PHT 4230L HPA-HP 2(0,2)

Therapeutic Exercise I Lab: PR: CR: Therapeutic Exercise I Lab. Course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee $45.00
PHT 4230 HPA-HP 2(2,0)

PHT 4230L HPA-HP 2(0,2)

PHT 4230 HPA-HP 2(2,0)

PHT 4230L HPA-HP 2(0,2)

PHT 4230 HPA-HP 2(2,0)

PHT 4230L HPA-HP 2(0,2)

PHT 4230 HPA-HP 2(2,0)

PHT 4230L HPA-HP 2(0,2)

PHT 4230 HPA-HP 2(2,0)

PHT 4230L HPA-HP 2(0,2)

PHT 4230 HPA-HP 2(2,0)

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PHT 4230 HPA-HP 2(2,0)

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PHT 4230 HPA-HP 2(2,0)
UCF Courses and Descriptions

PHZ 5045 COS-PHYS 3(3,0) Attosecond Laser Physics: PR: PHY 5006, PHY 5346, PHY 4324, or C.I. Technique for generating atto-
second optical pulses using both semi-classical models and quantum mechanics theories. Illustrative examples of atto-second applications. Odd Spring.

PHZ 5156 COS-PHYS 3(3,0) Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHZ 5304 COS-PHYS 3(3,0) Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. Occasional.

PHZ 5405 COS-PHYS 3(3,0) Condensed Matter Physics: PR: PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHZ 5425C COS-PHYS 3(3,3) Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applica-
tions of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

PHZ 5432 COS-PHYS 3(3,0) Introduction to Soft Condensed Matter Physics: PR: PHY 3513 or C.I. Introduction to the physics of polymers, colloids, surfactants using basic tools of statistical mechanics. Occasional.

PHZ 5437 COS-PHYS 3(3,0) Nanophase Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PHZ 5445 COS-PHYS 3(3,0) Nanofabrication using Focused Ion Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interac-
tion; fundamental principle of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques. Odd Spring.

PHZ 5505 COS-PHYS 3(3,0) Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experi-
mental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PHZ 5601 COS-PHYS 1(1,0) Special Relativity for Teachers: PR: Graduate status or senior standing or C.I. Length contraction, time dilatation, simultaneity, conservation of mass-energy, con-
servation of momentum, Compton scattering. Occasional.

PLA 3014 HPA-LS 3(3,0) Law and the Legal System: A survey course designed to acquaint the student with the American legal system, ethical considerations, terminology, legal reason-
ing, and the role of the legal assistant. Fall, Spring.

PLA 3018 HPA-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 3155 HPA-LS 3(3,0) Legal Writing: PR: PLA 3108. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3108. Fall, Spring.

PLA 3205 HPA-LS 3(3,0) Civil Practice and Procedure: PR: PLA 3014 or C.I. The student becomes familiar with the Florida civil pro-
cedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3205H HPA-LS 3(3,0) Civil practice and Procedure - Honors: PR: Permission of Honors and PLA 3014 or C.I. Same as PLA 3205 with honors level content. Occasional.

PLA 3277 HPA-LS 3(3,0) The Law of Torts: PR: PLA 3014 or C.I. Theories governing civil injures not arising from contractual ob-
servations; systems and procedures used in preparation, trial and appeal of Torts cases. Fall, Spring.

PLA 3306 HPA-LS 3(3,0) Criminal Law: Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.

PLA 3309 HPA-LS 3(3,0) Criminal Procedure: PR: PLA 3014 or C.I. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3315 HPA-LS 3(3,0) Property and Real Estate Law: PR: PLA 3014. Study of the law of real and personal property; real estate transac-
tions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 4020 HPA-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 move-
ments. Occasional.

PLA 4226 HPA-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. Odd Spring.

PLA 4240 HPA-LS 3(3,0) Negotiation Alternatives in Law: PR: PLA 3014C. The skills involved in negotiation, media-
tion and other dispute resolutions processes. Occasional.

PLA 4263 HPA-LS 3(3,0) Evidence: PR: PLA 3014 and 3201 or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

PLA 4424 HPA-LS 3(3,0) The Law of Contracts: Study of the basic law of con-
tacts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4436 HPA-LS 3(3,0) Florida Partnerships and Corporations: Statutory requirements of Florida partnerships and corpora-
tions; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.

PLA 4464 HPA-LS 3(3,0) Bankruptcy Law: PR: C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

PLA 4472 HPA-LS 3(3,0) Employment Discrimination Law: PR: C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4485 HPA-LS 3(3,0) Administrative Law: PR: 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-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-LS 3(3,0) Environmental Law: PR: PLA 3014 and PLA 4465 or C.I. Environmental law and policy related to the protec-
tion of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Odd Fall, Odd Spring.


PLA 4583H HPA-LS 3(3,0) Honors Cyber Law: PR: Honors C.I. Basic topics in the law of cyberspace. May be repeated for credit. Occasional.

PLA 4601 HPA-LS 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-LS 3(3,0) Estate Administration: PR: PLA 4607. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703 HPA-LS 3(3,0) Professional Ethics and Liability: PR: PLA 3014. Ethical responsibilities of professionals. Canons of legal eth-
ics, liability for professional malpractice. Fall, Spring.

PLA 4710 HPA-LS 1(1,0) Careers in Legal Studies: PR: Major in Legal Studies or C.I. Applications of Legal Studies. Students will explore options in legal studies, professional development, and ethics. Graded S/U. Occasional.

PLA 4734 HPA-LS 3(3,0) Advanced Legal Applications Computer Software: PR: PLA 3014 or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today’s law firms and law-
related fields. Occasional.

PLA 4764 HPA-LS 3(3,0) Law Office Practices: PR: 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-LS 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-LS 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-LS 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-LS 3(3,0) Entertainment Law: PR: PLA 3014 or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4826 HPA-LS 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-LS 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 4864 HPA-LS 3(3.0)

PLA 4910 HPA-LS 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-LS 3(3.0)
Cases and Legal Issues: PR: senior status, PLA 3155, Legal Studies majors. The legal and socio-legal analysis of issues that require students to synthesize their legal study into an application. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-LS 3(3.0)
Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment. "For" and "Against" interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

PLA 5937 HPA-LS 3(1.2)

POR 1120C CAH-LANG 4(3.1)
Elementary Portuguese Language and Civilization I: introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall.

POR 1121C CAH-LANG 4(3.1)
Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. Course emphasizes the four major language skills: reading, writing, listening, and speaking. Spring.

POR 2200 CAH-LANG 3(3.0)
Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. Development of Portuguese language skills at the intermediate level. Fall, Spring.

POR 2201 CAH-LANG 3(3.0)
Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 3140 CAH-LANG 3(3.0)
Accelerated Portuguese for Speakers of Romance Languages: PR: FNE 2201, or ITA 2201, or SPN 2201, or C.I. 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)

POS 3122H COS-POLS 3(3.0)

POS 3173 COS-POLS 3(3.0)

POS 3182 COS-POLS 3(3.0)
Florida Politics: PR: POS 2401 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.

POS 3182H COS-POLS 3(3.0)

POS 3223 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, class and opinions, voting, and political behavior. Fall.

POS 3224 COS-POLS 3(3.0)
Protest in American Politics: PR: POS 2401 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 3225 COS-POLS 3(3.0)
Mass Media and Politics: PR: POS 2401 or C.I. Influence of media on campaigns, political 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 2401 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 consent. 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 2401 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 system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

POS 3413 COS-POLS 3(3.0)
The American Presidency: PR: POS 2401 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 2401 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, and political processes. Fall.

POS 3443 COS-POLS 3(3.0)
Political Parties and Caucuses: PR: POS 2401 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.

POS 3463 COS-POLS 3(3.0)
Interest Groups: PR: POS 2401 or C.I. Analyzes the non-electoral behavior of economically, ideologically, 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(0.0)

POS 4074 COS-POLS 3(3.0)
Latino Politics: PR: POS 2401 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)
Behavioral Political Science: PR: POS 2401 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

POS 4206 COS-POLS 3(3.0)
Psychological Politics: 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 2401 or C.I. Analysis of recruitment and socialization processes. Identification of the social 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 2401 or C.I. Development of American federal and national power, commerce clause, and nationalization of the economy. Fall.

POS 4604 COS-POLS 3(3.0)
American Constitutional Law II: PR: POS 2401 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4662 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)
RTV 3228C COS-COMM 3(2,1) Lighting for Video: PR: RTV 3228C or RTV 3260C, and RTV Major - Production Specialization. Basic techniques for both studio and location, single and multicamera video production. Students should expect significant work in the RTV facility outside of class. Odd Fall, Spring. M&S fee $30.00

RTV 3228C COS-COMM 4(3,1) Studio Television Production: PR: RTV 3200 and RTV Major - Production Specialization. Analog and digital television studio production including audio, video, camera, lighting, switching, and television graphics. Students should expect significant work in the RTV facility outside of class. Odd Fall, Even Spring. M&S fee $30.00

RTV 3234C COS-COMM 3(2,1) Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on auditioning, performance in scenes and commercials. Expect extensive studio work in the RTV facility outside the class. Occasional. M&S fee $15.00

RTV 3260C COS-COMM 4(3,1) Single Camera Video Production and Editing: PR: RTV Major - Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera television production and including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $30.00

RTV 3263C COS-COMM 3(2,1) Advanced Video Post-Production: PR: RTV 3260C - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $15.00

RTV 3283C COS-COMM 3(2,1) Production of Interactive Multimedia: PR: COS 1060c, major status in R-TV, Ad-PR, Journalism, Organization and Professional Communication, Production and production of electronic interactive multimedia for the broadcast industry. Students should expect significant work in the RTV facility outside of class. Odd Fall. M&S fee $15.00

RTV 3301 COS-COMM 3(3,0) Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills and their accompanying ethical considerations for analog and digital delivery of broadcasting journalism. Fall, Spring.

RTV 3304 COS-COMM 3(3,0) Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newswriting and newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring.

RTV 3942L COS-COMM 1-3(3-9) Practicum: PR: C.I. RTV Major, and either RTV 3210C, RTV 3228C, or RTV 3260C. Student will serve in some position of responsibility for UCF Television Network or RTV program. Graded SU. May be repeated for credit. Occasional.

RTV 4206C COS-COMM 3(2,1) Television Directing: PR: RTV 3228C, RTV 3260C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV facility outside of class. Fall, Even Spring. M&S fee $30.00

RTV 4211C COS-COMM 3(2,1) Audio Production I: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4271C COS-COMM 3(2,1) Radio Production and Programming: PR: RTV 3210C and RTV Major - Broadcast Journalism Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today’s radio listeners. Students should expect significant work in the RTV lab facility outside of class. Fall.

RTV 4280C COS-COMM 3(2,1) Webcasting I: PR: RTV Major and PR or CR: RTV 3283C. Presentation of broadband material on the web. Integrates the distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4281C COS-COMM 3(2,1) Webcasting II: PR: RTV 4280C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4320C COS-COMM 4(1,3) Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee $15.00

RTV 4322C COS-COMM 3(2,1) Advanced TV News: PR: RTV 4320C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4403 COS-COMM 3(3,0) Electronic Media, Technology, and Society: PR: or CR: RTV 3007. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring.

RTV 4503 COS-COMM 3(3,0) Sports Programming in Electronic Media: PR: SPC 1608 or COM 1000 or RTV 3007 or C.I. Factors that determine how sporting events are constructed for programming on broadcast stations, cable television, and other forms of electronic media. Occasional.

RTV 4505 COS-COMM 3(2,1) Program Issues for TV & Motion Pictures: PR: RTV 3007 or FIL 2030 or C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4700 COS-COMM 3(3,0) Regulation of Broadcasting: PR: RTV Majors only, RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4800 COS-COMM 3(3,0) Broadcast Management: PR: RTV Majors only. RTV 4700. Examination of broadcast management programs in station operations at local, regional, and national levels. Odd Spring.

RUS 1120 CAH-LANG 4(4,1) Elementary Russian Language and Civilization I: Introduces the student to Russian cultural, social, political and literary life through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in the language. Occasional.


RUS 2200 CAH-LANG 3(3,1) Intermediate Russian Language and Civilization I: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Occasional.

RUS 2201 CAH-LANG 3(3,1) Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

RUS 2210 CAH-LANG 3(3,0) Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

RUS 3248 CAH-LANG 3(3,0) Russian Civilization: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

RUS 3760 CAH-LANG 3(3,0) Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocabulary building with systematic training in dictation and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Occasional.

SCC 3311 HPA-CJ 3(3,0) Security Administration: Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

SCC 3314 HPA-CJ 3(3,0) Physical Security: PR: C.I. major or minor or C.I./CCJ 3024. Concepts and procedures for the development, implemention, and management of a physical security program and its application to assets protection. Occasional.

SCC 3316 HPA-CJ 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 3310 ED-TL&L 3(3,0) Teaching Science in Elementary School: PR: EDG 4410 or C.I. Selected concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring. M&S fee $10.00

SCE 4304 ED-CFCS 3(3,0) 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.

SCE 4360 ED-TL&L 4(3,2) Science Instructional Analysis: PR: EDG 4323 or C.I. Course objectives for a school curriculum and methods and materials for the middle and high school. Fall, Spring. M&S fee $8.00

SCE 4361 ED-TL&L 3(3,0) Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Spring.

SCE 5325 ED-TL&L 3(3,0) Teaching Middle School Science: PR: EDG 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary learning, technology use, ESOL, and inquiry in science. Occasional.

SCE 5337 ED-TL&L 3(3,0) Issues and Methods in Secondary School Science: PR: EDG 6236 or C.I. Secondary science education special methods course is designed to assist students’ understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.

SCE 5836 ED-TL&L 3(3,0) Space and Physical Science for Educators: PR: C.I. Course objectives for introducing space and physical science, manned space flight, and space education curriculum. Occasional.
SOW 5387 HPA-SOWK 3(0,0) Nonprofit Resource Development: PR: Admission to MSW program. Generalist Field Education. Preparation for non-profit organizations, including board development and leadership, volunteer program development, staff development, grant writing, fundraising, marketing, and government contract development and management. Occasional.

SOW 5404 HPA-SOWK 3(0,0) Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. Fall.

SOW 5432 HPA-SOWK 3(0,0) Generalist Field Education I: PR: Admission to MSW program. Supervised practice of social work in an agency for 224 clock hours. Graded S/U. Odd Fall, even Spring.

SOW 5533 HPA-SOWK 2(2,0) 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 250 clock hours. Graded S/U. Fall, Spring.

SOW 5539 HPA-SOWK 3(0,0) 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 250 clock hours. Graded S/U. Occasional.

SOW 5546 HPA-SOWK 1(0,0) Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: Generalist Field Education II. Continuation of generalist field education integrative seminar I and II. Faculty and 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 5505; CR: SOW 5306. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded S/U. Occasional.


SOW 5624 HPA-SOWK 3(0,0) 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(0,0) Social Work with Women: Alternative approaches to the treatment of women in the urban setting. Occasional.

SOW 5642 HPA-SOWK 3(0,0) Aging in Social Situations: PR: Admission to MSW program or Gerontology certificate program or C.I. Knowledge about elderly in social situations or environmental context. Occasional.

SOW 5662 HPA-SOWK 3(0,0) Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. Occasional.

SPA 3002 HPA-COM SC&DIS 3(0,0) Introduction to Communication Disorders: PR: PSY 2012 or SYG 2000. Ethology, symptoms, and methods of diagnosing and treating communication disorders. For beginning and progressive clinicians in Communication Sciences and Disorders. Occasional.

SPA 3011 HPA-COM SC&DIS 3(0,0) Speech Science I: Production: PR: SPA 3112. CR: SPA 3011L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011L HPA-COM SC&DIS 1(0,1) Speech Production Lab: PR: SPA 3112. CR: SPA 3011L. Physiological and acoustic measurement of speech production Graded S/U. Fall, Spring.

SPA 3101 HPA-COM SC&DIS 3(0,0) Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. Introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

SPA 3104 HPA-COM SC&DIS 3(0,0) 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 SC&DIS 3(0,0) Basic Phonetics: PR: SPA 3123L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. Fall, Spring.


SPA 3123 HPA-COM SC&DIS 3(0,0) Speech Science I: Perception: PR: SPA 3012; SPA 3011. CR: SPA 3123L. How the perception of human speech differs from that of other auditory signals. Fall, Spring.

SPA 3123L HPA-COM SC&DIS 0(0,1) Speech Perception Lab: CR: SPA 3123. Laboratory techniques used in evaluating human speech perception. Graded S/U. Fall, Spring.

SPA 3412 HPA-COM SC&DIS 3(0,0) Brain Stories: A Communication Disorders Perspective: PR: SPA 3471 (may be taken as corequisite) or PSY 2012 or C.I. A case study approach to communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.


SPA 4201 HPA-COM SC&DIS 3(0,0) 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(0,0) Genetic Aspects of Communication Disorders: PR: BSC 2010C. Junior or senior standing. The study of genetic and the genetic aspects of communication and feeding disorders. Spring.

SPA 4321 HPA-COM SC&DIS 3(0,0) Audologic Rehabilitation: PR: SPA 3001, SPA 3101, SPA 4123, and SPA 4032. Principles and procedures in the use of residual hearing, auditory training, speech reading, and the use of hearing aids. Fall, Spring.

SPA 4400 HPA-COM SC&DIS 3(0,0) Language Disorders Across the Life Span: PR: LIN 2116. Ethology, assessment, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia. Fall, Spring.

SPA 4476 HPA-COM SC&DIS 3(0,0) Speech Disorders Across the Lifespan: PR: SPA 3471, SPA 3101, and SPA 3112. 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(0,0) Multicultural Aspects of Communication Disorders & Differences: PR: LIN 3716. Cultural and linguistic diversity for communicating with an individual with a communication disorder and the genetic aspects of communication and feeding disorders. Spring.

SPA 4501L HPA-COM SC&DIS 3(0,3) Undergraduate Clinical Practicum: PR: SPA 4400 or C.I. 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(0,3) Counseling in Communication Disorders: PR: SPA 4400 or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.

SPA 4580 HPA-COM SC&DIS 3(0,3) Augmentative and Alternative Communication Systems: PR: LIN 3717 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.

SPA 4634 HPA-COM SC&DIS 3(0,3) Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803 HPA-COM SC&DIS 3(0,3) Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C HPA-COM SC&DIS 3(2,1) Capstone Course: PR: or C.I.: All required CS&D courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.
SPA 4948 HPA-COM SC&DIS 3(0,3)
Community Internship: PR: SPA 4400 or SPA 4476 and seals standing. Supervised interaction and planned activities with individuals experiencing communication dis-
orders 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 Differences and Disorders: PR: Graduate stand-
ing. Introduction to cultural and linguistic diversity among
individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-
American cultures.

SPA 5554 HPA-COM SC&DIS 3(3.0)
Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for indi-
viduals 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 older
individuals with communication disorders. Occasional.

SPB 3003 BA-BUS 3(3.0)
Introduction to Sport Business Management: PR: Sophomore Standing. The sport industry and the
principles and applications of sport business management in professional, collegiate, and Olympic sport. Occasional.

SPB 3503 BA-BUS 3(3.0)
Ethics in Sport Business: PR: SPB 3003. The eth-
ics and moral issues in sport and their business implications
focusing on the responsibilities of decision makers in profes-
sional, collegiate, and Olympic sport. Occasional.

SPB 3603 BA-BUS 3(3.0)
Diversity and Social Issues in Sport Business Management: PR: SPB 3003 and either FIN 2100 and
MAR 3023 or admission to a business major. Diversity,
social issues, social responsiveness, and financial per-
formance in professional, collegiate, and Olympic sport.
Occasional.

SPB 3823 BA-BUS 3(3.0)
The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPB 3003, and either
FIN 2100 and MAR 3023 or admission to a business major.
Analyzes business entrepreneurship in sport/entertainment
by examining various entrepreneurs and cultural move-
ments in business organizations. Theories/concepts of busi-
ness and entrepreneur behavior are applied. Occasional.

SPB 4104 BA-BUS 3(3.0)
Intercollegiate Sport Industry: PR: SPB 3003. The
structure, evolution and governance of intercollegiate sport
management and a framework for sound business decision
making. Occasional.

SPB 4204 BA-BUS 3(3.0)
Professional Sport Industry: PR: SPB 3003. The
structure, evolution and governance of professional sport
management and a framework for sound business decision
making. Occasional.

SPB 4304 BA-BUS 3(3.0)
Sports Event and Facility Management: PR:
SPB 3003, and either FIN 2100 and MAR 3023 or admis-
sion to a business major. The principles of facility and event
management in sport business and their applications in
professional, collegiate, and Olympic sport. Occasional.

SPB 4404 BA-BUS 3(3.0)
Sport Business Law: PR: SPB 3003. The legal
framework for sport business management and its appli-
cations in professional, collegiate, and Olympic sport.
Occasional.

SPB 4704 BA-BUS 3(3.0)
Sport Business Strategy: PR: SPB 3003. The skills
and knowledge applicable to the process of building and
sustaining excellent sport organizations. Occasional.
UCF Courses and Descriptions

SPN 1170 CAH-LANG 8(16,10)
Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. Occasional.

SPN 2200 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization I: PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

SPN 2200H CAH-LANG 3(3,1)
Honors Intermediate Spanish: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.

SPN 2201 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. Occasional.

SPN 2240 CAH-LANG 3(3,1)
Advanced Spanish Native Fluency I: PR: SPN 1121C or equivalent. Continuation of Advanced Spanish Native Fluency I or emphasizing the remaining grammatical topics and composition skills. Spring.

SPN 3402 CAH-LANG 3(3,0)
Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

SPN 3512 CAH-LANG 3(3,0)
Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.

SPN 3345 CAH-LANG 3(3,0)
Advanced Spanish Native Fluency II: PR: SPN 3344 or C.I. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and compo-

SPN 3760 CAH-LANG 3(3,0)
Advanced Spanish Oral Communication: PR: SPN 2201 or SPN 2240 or equivalent. Vocabulary building with systematic training in diction and pronunciation. Speech and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

SPN 3850 CAH-LANG 3(3,0)

SPN 3852 CAH-LANG 3(3,0)

SPN 3933 CAH-LANG 1(1,0)
Spanish Across the Curriculum: PR: SPN 2201 or C.I. CR: concurrent enrollment in a designated course. Improvement of skills in Spanish within the student’s major or minor. Open to students in all colleges. May be repeated for credit. Fall, Spring.

SPN 4143 CAH-LANG 3(3,0)
Business Spanish IV: PR: C.I. Advanced course in business terminology and development of advanced language skills. Odd Fall.

SPN 4410 CAH-LANG 3(3,0)
Advanced Spanish Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG 3(3,0)
Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Even Spring.

SPN 4510 CAH-LANG 3(3,0)
Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from pre-Roman times to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG 3(3,0)
Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4780 CAH-LANG 3(3,0)
Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

SPN 4800 CAH-LANG 3(3,0)
Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. The course examines the Spanish language from its beginning to the present, with special emphasis as it is written and spoken in Latin America and the U.S. Occasional.

SPN 4801 CAH-LANG 3(3,0)
Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Emphasizes the structures as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish language as well as the use and correct application of criterion when analyzing texts. Taught in Spanish. Occasional.

SPN 5502 CAH-LANG 3(3,0)
Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.

SPN 5505 CAH-LANG 3(3,0)
Spanish Philology: PR: Graduate status or senior standing or C.I. An overview of the principles of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

SPN 5654 CAH-LANG 3(3,0)
History of the Spanish Language: PR: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish language with respect to philological constraints, morphosyntax, second language influences, and historical development. Occasional.

SPN 5825 CAH-LANG 3(3,0)
Spanish Dialectology: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Odd Fall.

SPN 5845 CAH-LANG 3(3,0)
Spanish Phonetics: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

SPN 5920 CAH-LANG 3(3,0)
AP Spanish Language: PR: Graduate status or senior standing on C.I. PR: C I. An overview of the knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing. Occasional.

SPT 3800 CAH-LANG 3(3,0)
Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

SPT 3805 CAH-LANG 3(3,0)
Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.

SPT 3809 CAH-LANG 3(3,0)
Medical Spanish Translation/Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

SPT 3831 CAH-LANG 3(3,0)
Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 3300. This course introduces the major procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. Even Fall.
Prize-Winning writers. Through readings, students will analyze, discuss and research English translations of Spanish and Latin American Nobel Prize literature and works of the Nineteenth century to the present. Students will explore the universality of Spanish literature. Occasional.

SPW 3100 CAH-LANG 3(3,0)
Survey of Spanish Literature I; PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. Fall.

SPW 3101 CAH-LANG 3(3,0)
Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

SPW 3130 CAH-LANG 3(3,0)
Spanish Short Story; PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. Occasional.

SPW 4272 CAH-LANG 3(3,0)
20th Century Spanish Novel; PR: SPW 3101 or SPW 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4310 CAH-LANG 3(3,0)
Golden Age Drama; PR: SPW 3100 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Alarcon, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

SPW 4322 CAH-LANG 3(3,0)
Contemporary Iberian Theatre; PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4364 CAH-LANG 3(3,0)
Latin-American Narrative; Essay; PR: SPW 3100 or SPW 3130 or SPW 3131 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis on 20th century texts, contrasting techniques, structures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4381 CAH-LANG 3(3,0)
Latin-American Poetry; PR: SPW 3100 or SPW 3130 or SPW 3131 or SPW 3370. Study of Latin-American poetry/poetry (changing topics by semester) with emphasis on 20th century texts, contrasting techniques, structures, and literary theories. May be repeated for credit only when course content is different. 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 4163 or STA 6185. Discussion and presentation by practitioners. Occasional.


STA 5103 COS-STAT 3(3.0) Advanced Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages, data manipulation, graphical data presentation; data analysis; creating analytical reports. Fall.


STA 5175 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 5176 COS-STAT 3(3.0) Introduction to Biostatistics: PR: STA 4163 or STA 4172, graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5205 COS-STAT 3(3.0) Experimental Design: PR: STA 4164, STA 5206 or ESI 5212, graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; incomplete block designs; factorial and fractional designs; design resolution and interpretation. Spring.

STA 5206 COS-STAT 3(3.0) Statistical Analysis: PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation and tests of hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.

STA 5505 COS-STAT 3(3.0) Categorical Data Methods: PR: STA 4163 or STA 5646, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar's test, Mantel-Haenszel test. Occasional.


STA 5703 COS-STAT 3(3.0) Data Mining Methodology I: PR: STA 5103 and STA 5206, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. Fall.

STA 5825 COS-STAT 3(3.0) Stochastic Processes and Applied Probability Theory: PR: STA 4321, and graduate status or senior standing or C.I. Conditional probability and conditional expectations, sequences of random variables, branching processes, random walks, Markov chains, recurrent events, renewal theory, queuing theory, and simple stochastic processes. Spring.

STA 5940 COS-STAT 1(1.0) Statistical Advice for Researchers: PR: Graduate status or senior standing or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer program usage, analysis, interpretation. May be repeated for credit. Graded S/U. Occasional.

STA 5948 COS-STAT 3(3.0) Actuarial Science Practicum: PR: STA 4163 or STA 6185. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.

SUR 2101C ECS-CECE 3(2.3) Surveying: PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. Fall.

SYA 3110 COS-SOC 3(3.0) Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. Theories concerning the `signs of marking as a `social being.' The nature of society from the beginnings of the scientific study of human life to World War II. Spring.

SYA 3120 COS-SOC 3(3.0) Contemporary Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. A study of major European and American contributors to modern sociology since World War II. Occasional.

SYA 3400C COS-SOC 4(3.1) Applied Social Statistics: PR: SYG 2000 and one other sociology course. Application of statistical techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. Fall.


SYA 4300C COS-SOC 4(3.2) Research Methods: PR: SYG 2000 or SYG 2010 or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.

SYA 4310C COS-SOC 4(3.1) Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. Occasional.
SYA 4450 COS-SOC 4(3.2) Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Fall.


SYA 5625 COS-SOC 3(3.0) ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in subspecialties of sociological areas that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. Fall.

SYA 5652 COS-SOC 3(3.0) Advanced Population: PR: Graduate standing or C.I. Examines the theories, methods, and information utilized by demographers and focuses on techniques of application of those skills. Occasional.


SYD 3700 COS-SOC 3(3.0) Race and Ethnicity: PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.


SYD 3752 COS-SOC 3(3.0) Modern Law in Indian Country: PR: 2000 level social science course or C.I. Examination of works of modern North American Indian women within context ofBeginning rights. Issues include myths, gender roles, coerced sterilization, child welfare, and economic opportunities. Occasional.

SYD 3800 COS-SOC 3(3.0) Sex and Gender in Society: PR: SYG 2000 or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.


SYD 4510 COS-SOC 3(3.0) Environment and Society: PR: SYG 2000 or C.I. Applies the sociological perspective and sociological methods of analysis to the relationships between human behavior and the environment. Odd Spring.


SYD 4810 COS-SOC 3(3.0) Women in Contemporary Society: PR: SYG 2000 or C.I. Examines the role of women in the context of the major social institutions (e.g., family, education, religion, economy and polity.). Fall, Spring.


SYD 5517 COS-SOC 3(3.0) Environment and Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.

SYD 5795 COS-SOC 3(3.0) Class, Race, and Gender in American Society: PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the interactions of race, class, and gender in American society. Occasional.

SYG 2000H COS-SOC 3(3.0) Introduction to Sociology: PR: SYG 2000 or SYG 2010 or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.

SYG 2000H COS-SOC 3(3.0) Social Problems: PR: SYG 2000 or SYG 2010 or C.I. Chief causes of anti-social behavior and current methods of studying 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 4300 COS-SOC 3(3.0) Political Sociology: PR: SYG 2000 or SYG 2010 or C.I. Theoretical analysis of political 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: PR: SYG 2000 or C.I. Theoretical analysis of patient behaviors and health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYO 4300 COS-SOC 3(3.0) Social Change: PR: SYG 2000 or SYG 2010 or C.I. Theoretical analysis of patient behaviors and health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYO 3300 COS-SOC 3(3.0) Social Change: PR: SYG 2000 or SYG 2010 or C.I. Theoretical analysis of patient behaviors and health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYO 3300 COS-SOC 3(3.0) Social Change: PR: SYG 2000 or SYG 2010 or C.I. Theoretical analysis of patient behaviors and health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYO 3750 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 3300 COS-SOC 3(3.0) Social Change: PR: SYG 2000 or SYG 2010 or C.I. Theoretical analysis of patient behaviors and health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYO 4300 COS-SOC 3(3.0) Political Sociology: PR: SYG 2000 or SYG 2010 or C.I. Theoretical analysis of political 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.
THE 4954 CAH-THEA  0(0,0)

THE 5205 CAH-THEA  3(3,0)

THE 5215 CAH-THEA  3(3,0)
Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Theatre arts and traditions of various countries with an emphasis on non-western countries. Occasional.

THE 5237 CAH-THEA  3(3,0)
Cultural Diversity in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Goodness of human experience among various groups through the study of dramatic literature. Occasional.

THE 5248 CAH-THEA  3(3,0)
Musical Theatre in History: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Venetian operetta to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genres. Emphasis will be placed upon historical trends and theatrical viability. Occasional.

THE 5288 CAH-THEA  3(3,0)
Musical Theatre Lab: PR: TPF 5157C. Practical course in developing musical theatre skills for the actor. Spring.

THE 5289 CAH-THEA  3(3,0)
Period Costumes, Architecture and Décor I: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the renaissance. Fall.

THE 5289 CAH-THEA  3(3,0)

THE 5307 CAH-THEA  3(3,0)

THE 5385 CAH-THEA  3(3,0)
Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.

THE 5425 CAH-THEA  3(3,0)
Women in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women's contributions to theatre. Occasional.

THE 5545 CAH-THEA  3(3,0)

THE 5910 CAH-THEA  3(3,0)
Research Methods in Theatre: PR: MFA and MA in Theatre. Practice knowledge, skills and techniques needed by students to conduct research to include organization, styles, formats, and bibliographic forms. Fall.

THE 5945L CAH-THEA  1(0.20)
Theatre Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students' practical working knowledge in theatre. Occasional.

THE 5946L CAH-THEA  1(0.20)
Theatre Practicum II: PR: Admission into the graduate program. Theatre Practicum I: A laboratory course designed to develop students' practical working knowledge in theatre. Occasional.
UCF Courses and Descriptions

TPA 4264C CAH-THEA 3(2,2)
Sound Design for Theatre II: PR: "C" (2.0) or better in TPA 2260C. Project sound design work with emphasis on design communication and professional standards and practices. Occasional.

TPA 4293L CAH-THEA 1(0,VAR)
Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2293L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $15.00.

TPA 4384C CAH-THEA 3(3,4)
Advanced Topics in Technical Theatre: PR: C (2.0) in TPA 2210 and TPA 2211. Variable topics which may include Technical Direction or other advanced topics. May be used in the degree program a maximum of 4 times. Occasional. M&S fee $35.00.

TPA 4400 CAH-THEA 3(3,0)
Theatre Management: PR: "C" (2.0) or better in THE 2000 or THE 2020. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatre programs. Additional emphasis placed on management theory and style. Fall.

TPA 4401C CAH-THEA 3(2,2)

TPA 4602 CAH-THEA 3(3,0)
Advanced Stage Management: PR: B.F.A. Stage Management major, C (2.0) or better required in TPA 3601. Skills necessary for stage managers in contemporary entertainment. Fall.

TPA 5029C CAH-THEA 3(2,2)
Lighting Design Studio: PR: TPA 5024C and TPA 5025C. Advanced work in the process of designing light for the stage with an emphasis on the use of light as an artistic expression. Occasional.

TPA 5042C CAH-THEA 3(2,2)
Costume Design Studio: PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. Occasional.

TPA 5062C CAH-THEA 3(2,2)
Scene Design Studio: PR: Graduate status or C.I. Advanced work in the conceptualization and communication of scenic design ideas for use in theatre. Spring.

TPA 5081C CAH-THEA 3(3,3)
Design Concepts for Youth Theatre: PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. Odd Spring.

TPA 5085C CAH-THEA 2(2,2)

TPA 5095C CAH-THEA 1(1,1)
Rendering for Theatre I: PR: Admission to the graduate program in Theatre or C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design. Fall.

TPA 5175C CAH-THEA 1(1,1)

TPA 5345C CAH-THEA 2(2,2)
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.

TPA 5346C CAH-THEA 2(2,2)
3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. Occasional.
TPP 4221 CAH-THEA 3(3,0) Auditioning: PR: “C” (2.0) or better in TPP 2170C. Selection of monologues, auditioning techniques and cold readings. Spring.

TPP 4233 CAH-THEA 3(2,2) Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4243 CAH-THEA 2(2,2) Circus Arts: PR: Theatre major or minor; “C” (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA 3(2,2) The Art of Storytelling: PR: Theatre major or minor; “C” (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 4253 CAH-THEA 3(2,2) Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and a "C" (2.0) or better in TPP 3252 and TPP 3256C. Advanced work in character-person construction and performance with an emphasis on show preparation. Occasional.


TPP 4265 CAH-THEA 3(3,2) Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1950-1) European playwrights. Emphasis on the works of Ibsen/Chekhov/Shaw. Spring.

TPP 4270 CAH-THEA 2(2,2) Music Theatre Voice V: PR: “C” (2.0) or better in TPP 4923C. Advanced study of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TPP 4271 CAH-THEA 3(2,2) Movement Studio I: PR: Admission to MFA Theatre MFA or Musical Theatre Track. An advanced study course applying acting methodologies to the works of temporary American plays. Fall.

TPP 4273 CAH-THEA 3(2,2) Voice Production I, studying Skinner’s narrow transcription of sound, breathing, relaxation of physical tension, and fundamentals of speaking on stage: the correct production of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. Odd Spring.

TPP 4283 CAH-THEA 3(2,2) Musical Theatre Dance I: PR: TPP 5554C. Musical Theatre Dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. Fall.

TPP 4284 CAH-THEA 3(2,2) Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TPP 4940L CAH-THEA 6(0,VAR) Theatre Internship: PR: Restricted to B.F.A. Theatre majors, and Junior standing. Subject to Department approval. Off-campus internship programs in professional theatre. Required of all B.F.A. theatre majors. Fall, Spring.

TPP 5125 CAH-THEA 2(2,2) Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5256C CAH-THEA 3(2,2) Acting Studio I: PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

TPP 5317C CAH-THEA 3(2,2) Musical Theatre Dance III: PR: TPP 5554C. Musical Theatre Dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. Fall.


TPP 5715C CAH-THEA 2(2,1) Stage Voice I: PR: Admission to the MFA Performance program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner’s narrow transcription with consonants, review of all Linklater work, and introduction to the work of Arthur Lessac. Spring.

TPP 5754 CAH-THEA 2(2,0) Musical Theatre Voice I: PR: Admission to MFA Musical Theatre Program. Voice study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2,2) Contemporary Practices in Youth Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. Odd Spring.

TSL 3346 CAH-LANG 3(0,0) English as an International Language: PR: "C" (2.0) or better in TPP 3257C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TSL 4089 ED-TL&L 3(3,0) Theory and Practice of Teaching ESL Students in Schools: PR: Junior standing or C.I. Focuses on teaching English to Speakers of Other Languages (ESOL) curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. Fall, Spring.

TSL 4363 CAH-LANG 3(0,0) ESL Classroom Experiences: PR: TSL 3346 (B- or better). Practical instruction and experiences for future teachers of English conversation. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. Spring.

TSL 5085 ED-TL&L 3(3,0) Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LANG 3(3,0) ESL Strategies: PR: Graduate status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESL to meet the needs of limited English proficient students. Occasional.

TSL 5345 ED-TL&L 3(3,0) Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5376 CAH-LANG 3(3,0) Reading and Writing in a Second Language: PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5380 CAH-LANG 3(0,0) Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasizes research in computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.

TSL 5525 ED-TL&L 3(3,0) ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.
TSL 5601 CAH-LANG 3(3,0) Second Language Vocabulary Learning: PR: Graduate standing or C.I. Consideries lexical issues encountered by second language learners; explores best practices for learners and their teachers and examines current research for pedagogical application. Occasional.

TSL 5940 CAH-LANG 3(3,0) Issues in TEFL: PR: Graduate status or senior standing or C.I. Addresses issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 4274 ECS-CECE 3(3,0) Transportation Engineering Systems: PR: TTE 3810 with a grade of C (2.0) or better. Topics such as transportation will be covered. Occasional.

TTE 4601C ECS-CECE 3(2,2) Urban Systems Design: PR: TTE 3810 with a grade of C (2.0) or better and department consent. Project design coursework covering principles/techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes, locating out traffic relationships, designing of alignments/intersections. Occasional. M&S fee $25.00

TTE 5204 ECS-CECE 3(3,0) Traffic Engineering: PR: TTE 4004. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.

TTE 5700 ECS-CECE 3(3,0) Railroad Engineering: PR: TTE 4004 and C.I. The major technical factors in location, construction, maintenance, and operation of railroad transportation systems. Occasional.

TTE 5805 ECS-CECE 3(3,0) Geometric Design of Transportation Systems: PR: TTE 4004 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5835 ECS-CECE 3(3,0) Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. Occasional.

VIC 3001 COS-COMM 3(3,0) Visual Communication: PR: SPC 1608 or SPC 1609, COM 1000. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

WOH 2012 CAH-HIST 3(3,0) World Civilization I: A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.


WOH 2022 CAH-HIST 3(3,0) World Civilization II: Rise of modern civilization from 1500 to present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.

WOH 2022H CAH-HIST 3(3,0) World Civilization II - Honors: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. Occasional.

WOH 3015 CAH-WOM 3(3,0) Introduction to Women’s Studies: PR: ENC 1102 or C.I. An interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.

WOH 3015H CAH-WOM 3(3,0) Honors Introduction to Women’s Studies: PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. Even Spring.

WOH 3020 CAH-WOM 3(3,0) Girls’ Studies: PR: ENC 1102. Girls’ Studies, an emerging field within Women’s Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.

WOH 3371 CAH-WOM 3(3,0) Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership, obstacles women leaders face, and learning from women leaders. Occasional.

WOH 3460 CAH-WOM 3(3,0) Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.

WOH 3460H CAH-WOM 3(3,0) Honors Women, Race and Struggle: PR: Consent of Honors. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. With Honors content. Occasional.

WOH 3500 CAH-WOM 3(3,0) Gender Issues and Community Activism: PR: WST 3015 or C.I. Feminist perspectives applied to current community issues. Interdisciplinary analyses through service learning and field research. Issues will vary. May be repeated for credit. Occasional.

WOH 3522 CAH-WOM 3(3,0) First and Second Wave Feminism: PR: ENC 1102. History of Western feminist thought, from the late eighteenth century to the 1990s, through texts by First and Second Wave Feminists. Occasional.

WOH 3561 CAH-WOM 3(3,0) Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.

WOH 3621 CAH-WOM 3(3,0) Theories of Masculinity: PR: ENC 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WOH 4002 CAH-WOM 3(3,0) Research in Women and Gender: PR: WST 3015 or C.I. Examination of scholars and research in a variety of areas pertaining to the study of women and gender relations. Occasional.


WOH 4349 CAH-WOM 3(3,0) Ecofeminism: PR: ENC 1102 and WST 3015. Connections between feminism and the environment. Occasional.

WOH 4415 CAH-WOM 3(3,0) Global and Transnational Feminism: PR: ENC 1102 and WST 3015. Feminist theory from a global, multicultural perspective, combined with global feminist activism. Service learning component. Occasional.

WOH 5347 CAH-WOM 3(3,0) Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research seminar exploring relationships among feminist theorizing, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. Occasional.

WOH 5601 CAH-WOM 3(3,0) Theories in Gender Studies: PR: Graduate standing. Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on the theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

ZOO 3701C COM-M&M 3(1,4) Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach the skills required for the preparation of three dimensional materials/specimens. The primary student population should be junior/senior pre-health professional applicants preparing for the basic medical sciences of professional schools. Spring. M&S fee $70.00

ZOO 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 $65.00

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 Content. Spring.


ZOO 3744 COM-M&M 3(3,0) Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.


ZOO 4513 COS-BIOL 3(3,0) Animal Behavior: PR: PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.
ZOO 4603C COS-BIOL 5(3,4)  

ZOO 4605 COM-M&M 3(3,0)  

ZOO 4704C COM-M&M 4(3,1)  
Clinical Neuroanatomy and Neuroscience: PR: ZOO 3733C with a B (3.0) or better. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.

ZOO 4747H COM-M&M 4(3,1)  
Clinical Neuroscience Honors: PR: ZOO 3744 or ZOO 4704C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-ontology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors content. Spring.

ZOO 4753C COM-M&M 4(3,3)  
Vertebrate Histology: PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique. Spring. M&S fee $25.00

ZOO 4746C COS-BIOL 4(2,6)  
Ichthyology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Odd Spring. M&S fee $25.00

ZOO 4748C COM-M&M 5(3,3)  
Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.

ZOO 4749C COM-M&M 5(3,2)  
Clinical Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4704C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-ontology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.

ZOO 4750C COS-BIOL 4(3,4)  
Mammalogy: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective. Even Spring.

ZOO 5456C COS-BIOL 4(2,6)  
Ichthyology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Odd Spring. M&S fee $25.00

ZOO 5463C COS-BIOL 4(2,4)  
Herpetology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Odd Spring. M&S fee $60.00

ZOO 5475L COS-BIOL 3(0,6)  
Field Ornithology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics. Occasional. M&S fee $30.00

ZOO 5486 COS-BIOL 4(4,0)  
Mammalogy: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective. Even Spring.

ZOO 5745C COM-M&M 4(3,3)  
Essentials of Neuroanatomy: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&S fee $15.00

ZOO 5748C COM-M&M 5(3,2)  
Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.

ZOO 5749C COM-M&M 5(3,2)  
Clinical Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4704C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-ontology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.

ZOO 5881C COS-BIOL 4(3,4)  
Fisheries Management: PR: ZOO 4310C, graduate status or senior standing, or C.I. Fisheries management of freshwater environments to include identification, sampling methods, farming and hatchery operations, propagation and population estimates. Occasional. M&S fee $20.00
The date indicates the first year of employment at the University of Central Florida.

ABBAS, HADI, Associate Professor of Art (1999), B.F.A., M.F.A. ( Wichita State University)

ABDAŁŁAH, NAŻIH, Lecturer School of Electrical Engineering and Computer Science (2005), Ph.D. (University of Paris)

ABDEL-ATTY, MOHAMED, Professor of Engineering, Graduate Program Director (1995), B.S.C.E., M.S.C.E., Ph.D. (University of California at Davis), P.E. (Florida)

ABEL, EILEEN M., Associate Professor of Social Work (1978), A.B., M.S.W., Ph.D. (Case Western Reserve University)

ABRAHAM, CHARLIE, Associate Professor of Art (1996), B.F.A., M.F.A. (University of Mississippi)


ADAMS, KENNETH, Professor of Public Affairs (2003), Ph.D. (State University of New York at Albany)


AHERN, NANCY, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Central Florida)

AHLM, AL-RAWI, Visiting Professor of Physics (2010), Ph.D. (Kansas State University)

AJAYI, RICHARD A., Associate Professor of Finance (1996), B.Sc., M.B.A., Ph.D. (Temple University)

AKITA, KIMIKO, Associate Professor of Communication (2005), B.A., M.A., Ph.D. (Ohio University)

AL-DEEK, HAITHAM, Professor of Engineering (1992), B.C.E., M.S., Ph.D. (University of California at Berkeley), P.E. (Florida)

ALABI, FORTUNE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

ALBERG-BIDDLE, JUNIE, Instructor of Education (2001), B.A., M.A. (University of Central Florida)

ALDERMAN, BARBARA, Assistant Librarian (2002), B.A. M.S. (Florida State University)

ALLEN, DARRYL E., Lecturer of Accounting (2003), B.B.A., M.B.A., Ph.D. (George Washington University)

ALLEN, FRANK R., Associate Director for Administrative Services (1998), B.A., B.S., M.B.A., M.L.S. (University of Tennessee)

ALLEN, JEFFERY W., Associate Professor of Marketing (1990), B.S., M.B.A., D.B.A. (University of Kentucky)

ALLEN, KAY WILLIAMSON, Associate Professor of Education (1990), B.S., M.Ed., Ph.D. (University of South Carolina)


ALLGOOD, JANE, Graduate Coordinator and Assistant Professor of Social Work (2000), B.S.W., Ph.D. (University of Central Florida)

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)

ALMOTAREB, DEBORAH, Assistant Professor (2009), Ph.D. (Rutgers, the State University of New Jersey)

AMBROSE, MAUREEN L., Professor of Management (1999), B.A., A.M., Ph.D. (University of Illinois at Urbana-Champaign)

AMOEDE, CHRISTINA, Instructor, College of Nursing (2008), F.A.A.N., M.S.N. (Loyola University of Chicago)

AN, LINAN, Associate Professor of Engineering (2001), Ph.D. (Lehigh University)

ANDERSON, RANDY L., Howard Phillips Eminent Scholar Chair of Real Estate and Professor of Real Estate (2008), B.A., Ph.D. (University of Alabama)

ANDERSON, THADEUS A., Visiting Instructor of Music (2009), B.M.E., M.M., D.M.A. (University of Texas at Austin)

ANDREASEN, JANET, Instructor/Coordinator 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, THEODOROS, Professor of Health Sciences and Secondary Joint Professor of Medicine (1999), B.S., M.S., 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., Ph.D. (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 Connecticut)

AROIAN, KAREN, Professor, College of Nursing (2008), F.A.A.N., B.S., M.S., Ph.D. (University of Central Florida)

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.C.E., C.C.E.)

ATKINSON, TOM, Assistant Professor of Education (2006), B.M.E., M.S.E., Ph.D. (Louisiana State University)

AZMI, CYRUS, Lecturer of Psychology (2006), B.S., M.A., Ph.D. (Michigan State University)

BAGLEY, GEORGE M., Associate Professor of Communication (1994), B.A., M.A. (University of Utah)

BAI, HAIYAN, Assistant Professor of Education (2006), B.A., M.A., Ph.D. (University of Cincinnati)

BALL, I. CORI, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), M.D.

BAKER, BARRY B., Director, University Libraries (1997), B.A., M.L.S. (Louisiana State University)

BALKWILL, DAVID, Professor of Microbiology (2009), Ph.D. (Pennsylvania State University)

BALLANTYNE, JOHN, Professor of Chemistry (1998), B.S., M.S., Ph.D. (State University of New York at Stony Brook)

BALLINGER, BETHANY, Assistant Professor Emergency Medicine (2009), M.D. (University of London)

BARBER, SARAH, Assistant 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.

BARNICKEL, AMY, Visiting Associate Professor of Writing & Rhetoric (2010), B.A., M.A., Ph.D. (University of Central Florida)

BARONE, BRIAN, Instructor of Italian (2006), B.A., M.A. (University of Notre Dame)

BARRETT, AMY, Externship Coordinator and Instructor of Communication Sciences and Disorders (2004), B.S., M.A. (University of Central Florida)

BARTKEVICIUS, JOCELYN, Associate Professor of English (1994), B.A., M.A., M.F.A., Ph.D. (University of Iowa)


BASSIOUNI, MOSTAFA, Professor School of Electrical Engineering and Computer Science (1981), B.S., M.S., Ph.D. (Pennsylvania State University)

BAST, CAROL M., Associate Professor of Legal Studies (1992), B.A., M.A., J.D. (New York Law School)

BASU, SAPTARSHI, Assistant Professor of Engineering (2007), Ph.D. (University of Connecticut)

BATARSEH, ISSA E., Professor Department of Electrical Engineering and Computer Science (1991), B.S., M.S., Ph.D. (University of Illinois at Chicago), P.E. (Florida)

BATCHELLER, HEATHER, Visiting Assistant Professor (2008), B.A., M.A., Ph.D. (University of Central Florida)

BAYER, CYNTHIA A., Research Assistant, Professor (1996), B.S., Ph.D. (Syracuse University)

BEARDLESS, DAVID, Courtesy Instructor of Psychiatry (2008), 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)

BEDIWELL, JEFFREY, Associate Professor of Psychology (2010), B.S., M.S. Ph.D. (University of Georgia)

BEHAL, AMAN, Assistant Professor Department of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Clemson University)

BEHZADAN, AMIR, Assistant Professor of Engineering (2009), B.E., M.Eng., Ph.D. (University of Michigan)

BEIDEL, DEBORAH C, Professor of Psychology (2007), M.S., M.Ed., Ph.D. (University of Pittsburgh)


BEILER, ROSALIND J., Associate Professor and Chair of History (1994), B.A., Ph.D. (University of Pennsylvania)
UCF Faculty

CANNON, JOHN R., Professor of Mathematics (1993), B.A., M.A., Ph.D. (Rice University)
CAPURSI, MARIA G., Lecturer of Mathematics (2007), Ph.D. (University of Delaware, Newark, Delaware)
CAPUTO, MICHAEL, Professor of Economics (2003), B.S., M.A., Ph.D. (University of Washington)
CARBONE, THOMAS, Research Associate, FIEA (2005), B.S., M.S. (University of Utah)
CARDULLO, VICKY, Instructor of Education (2001), B.S., M.Ed. (University of Central Florida)
CARLSON, KEITH, Instructor/Coordinator of Mathematics (2009), B.A., M.S. (University of Illinois)
CARSON, CECYLE, Instructor of Mathematics and Computer Sciences and Disorders (2004), B.S., M.S., Ph.D. (Wichita State University)
CARTER, J. SCOTT, Associate Professor of Psychology (2010), B.A., M.A., Ph.D. (Bowling Green State University)
CARTER, J. SCOTT, Associate Professor of Sociology (2007), B.A., M.S., Ph.D. (University of South Carolina)
CARTER, NATHAN, Assistant Professor of Psychology (2010), B.A., M.A., Ph.D. (Bowling Green State University)
CARTER, SHANNON, Assistant Professor of Sociology (2007), B.A., M.A., Ph.D. (University of Florida)
CARUANA, RALPH, Associate Dean for Clinical Affairs, Chair of Clinical Sciences and Professor of Internal Medicine (2010), M.D. (Tufts University)
CASE, LYN, Head, Cataloging Service and Assistant Librarian (2000), B.A., M.L.I.S. (University of South Florida)
CASH, MASON, Associate Professor of Philosophy (2003), B.S., Dip.Hum, M. Phil, Ph.D. (University of Alberta)
CASMIER-PAZ, LYNN A., Associate Professor of English (1997), B.A., M.A., Ph.D. (University of Pittsburgh)
CASSANELLO, ROBERT V., Assistant Professor of History (2007), B.A., M.A., Ph.D. (Florida State University)
CHAI, KARL, Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (Medical University of South Carolina)
CHAKRABARTI, DEBOPAM, Professor of Molecular Biology and Microbiology (1995), Ph.D. (University of Calcutta-Bose Institute)
CHAKRABARTI, RATNA, Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (University of Calcutta)
CHAN, SIC LUNG, Assistant Professor (2005), Ph.D. (McGill University)
CHANDLER, MICHAEL, Colonel, USAF, Professor of Aerospace Studies (2009), B.S., M.S. (National War College)
CHANDLER, ROBERT C., Director and Professor of Communication (2008), B.A., M.A., Ph.D. (University of Kansas)
CHANG, NI-BIN, Professor of Engineering and Civil Engineering (2005), B.S.C.E., M.S.E., Ph.D. (Cornell University), P.E. (Texas)
CHARBA, JULIUS, Associate Professor (1969), Ph.D. (Washington State University)
CHASE, ARLEN F., Chair, University Physics Professor, and Professor of Anthropology (1984), B.A., Ph.D. (University of Pennsylvania)
CHASE, SUSAN, Associate Dean and Professor, Graduate Affairs, College of Nursing (2009), A.R.N.P., M.S.N., Ed.D. (Harvard University)
CHATTERJEE, MAINAK, Associate Professor Department of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D. (University of Texas at Arlington)
CHAVDA, JAGDISH J., Professor of Art (1972), B.F.A., M.F.A. (Michigan State University)
CHEN, HONGHUI, Associate Professor of Engineering and Associate Professor of NanoScience Technology (2001), Ph.D. (Tsinghua University)
CHEN, RUYE-HUNG, Professor of Engineering (1993), B.S., M.S., Ph.D. (University of Michigan)
CHEN, PAUL H., Chair and Professor of Management Information Systems (1999), B.S., M.B.A., Ph.D. (University of Minnesota)
CHENG, JAC, Associate Professor (2006), Ph.D. (Purdue University)
CHERRYAK, LEONID, Associate Professor of Physics (1999), Ph.D. (Weizmann Institute)
CHEW, LARRY, Associate Professor of Engineering (1990), B.A., B.S., M.S., Ph.D. (University of Washington)
CHICUREL, STEVEN, Associate Professor of Theatre (2002), B.M., M.M., D.M.A. (University of Kentucky)
CHIU, MATTHEW, Lecturer in Psychology (1998), B.A., M.A., Ph.D. (University of California Santa Barbara)
CHIN, JACQUELYN, Visiting Professor of Physics (2010), Ph.D. (Kansas State University)
CHOI, HYONG, Associate Professor of Engineering (2002), B.S., M.S., Ph.D (University of Cincinnati)
CHOI, YOON K., Associate Professor of Finance (1997), B.S., M.S., Ph.D. (University of Michigan)
CHOI, YOUNGSOO, Assistant Professor of Hospitality Management (2006), B.A., M.S., Ph.D. (The Pennsylvania State University)
CHOPRA, MANOJ, Associate Professor of Engineering (1993), B.S., M.S., Ph.D. (State University of New York at Buffalo), P.E. (Florida)
CHOUDHURY, SUDIPTO R., Professor of Mathematics (1990), B.S., M.S., Ph.D. (Cornell University)
CHOW, LEE, Professor of Physics and Secondary Joint Professor, Mechanical, Materials, and Aerospace Engineering (1963), B.S., Ph.D. (Clark University)
CHOW, LOUIS C., Interim Chair and Professor of Mechanical, Materials, and Aerospace Engineering (1996), A.B., M.S., Ph.D. (University of California, Berkeley)
CHRISTOUDILOUDES, DEMETRIOS N., PREP Professor of Optics (2002), B.S., Ph.D. (John Hopkins University)
CINTRON, ROSA, Associate Professor of Education (2006), B.A., M.A., Ph.D. (Florida State University)
CIRCLE, DARLENE, Instructor of Education (2001), B.S., M.S. (Nova Southeastern University)
CLARKE, JAMES, Instructor of History (1986), B.A., M.A., Ph.D. (University of Florida)
CLARK, M. H., Instructor and Coordinator (2010), B.A., M.S., Ph.D. (University of Memphis)
CLARKE, THOMAS L., Associate Professor of Mathematics (2001), B.S., M.S., Ph.D. (University of Miami)
CLAUSEN, CHRISTIAN A., III, Professor of Chemistry (1969), B.S., Ph.D. (Louisiana State University)
CLEARY, ERIN, Instructor/Coordinator of Mathematics (2002), B.S., M.S. (University of Central Florida)
CLEAVENDER, DEAN J., Lecturer of Management (2007), B.B.A., M.B.A., Ph.D. (University of Mississippi)
CLEMENTS, TAYLOR, Visiting Instructor (2004), B.A., M.A. (University of Florida)
COELLA, ROBERT, Senior Training NCO (2008)
COFFEY, KEVIN, Associate Professor of Engineering (2002), B.A., B.S., M.S., Ph.D (MIT)
COLBY, PETER W., Professor of Public Administration (1985), B.S., M.P.A., Ph.D. (Brandeis University)
COLDING, LINDA K., Associate Librarian (1999), B.A., M.A., M.S.L.S., D.P.A. (University of Alabama)
COLE, ALEXANDER, Associate Professor (2003), Ph.D. (University of Medicine and Dentistry of New Jersey)
COLLINS, MATTHEW, Instructor (2003), B.A., M.P.A., Ph.D. (Virginia Polytechnic Institute and State University)
COLLINS, STEVEN, Journalism Area Coordinator and Associate Professor of Communication (2003), B.A., M.A., Ph.D. (Syracuse University)
COLON MENDOZA, ILENIA, Assistant Professor of Art (2010), Ph.D. (Pennsylvania State University)
COLWELL, JOSHUA, Associate Professor of Physics (2006), B.S. (University of Colorado)
COMPSON, JANE, Instructor of Humanities, Philosophy, and Religion (2003), B.A., M.A., Ph.D. (University of Bristol)
CONNEIl, LESLIE, Instructor of Management (1995), B.A., M.B.A. (University of Central Florida)
COOK, IDA J., Associate Professor of Sociology (1976), B.A., M.S., Ph.D. (North Carolina State University)
COOK, KATHY S., Internship Coordinator and Instructor of Legal Studies (1983), B.A., J.D. (University of Florida)
COOK, LISA, Lecturer of Film (2002), B.A. (Rutgers University)
COOMBS, W. TIMOTHY, Professor of Communication (2010), B.A., M.A., Ph.D. (Purdue University)
COONEY, JAMES, Lecturer of Physics (2000), B.S., M.S., Ph.D. (University of Florida)
COOPER, C. DAVID, Professor of Engineering (1980), B.S., M.S., Ph.D. (Clemson University), P.E. (Florida)
COOPER, LARRY, Instructor of Art (2004), B.F.A., M.F.A. (University of Georgia)
CORDEIRO-ROSA, DEBORA, Assistant Professor of Spanish and Portuguese (2006), B.A., M.A., Ph.D. (The Florida State University)
CORREA, EDAM, Assistant Librarian (1989), B.A., M.L.S. (University of Puerto Rico)
CORTELYOU-WARD, KENDALL, Undergraduate Program Director and Instructor of Health Services Administration (2007), B.S., M.S. (University of Central Florida)
UCF Faculty

EASTEP, MARY ANN, Coordinator Undergraduate Studies, Internship Coordinator and Instructor of Criminal Justice (1996), B.A., M.S., Ph.D. (Florida Atlantic University)

EASTES, RICHARD, Secondary Joint Appointment EECS (2006), Ph.D. (John Hopkins University)

EBERT, STEVEN, Associate Professor, Program Director of Biomedical Sciences Ph.D. (2005), Ph.D. (Ohio State University)


EFTHIMIOU, COSTAS, Associate Professor of Physics (2002), Ph.D. (Cornell University)

ELHREN, BRENDA, Professor of Communication Sciences and Disorders (2007), B.A., M.S., Ed.D (Florida Atlantic University)

EHLR, TOM, Director of Clinical Education and Professor of Communication Sciences and Disorders (1989), M.S. (University of South Florida)

EISLER, AONDREW, Lecturer School of Electrical Engineering and Computer Science (2007), B.A., M.S., Ed.S. (Nova Southeastern University)

ELLIS, E. TAYLOR, Associate Dean, Undergraduate Programs, and Associate Professor of Business Administration (1990), B.S., M.S., M.B.A., Ph.D. (Texas A&M University)

ELSHEIMER, SETH R., Associate Professor of Chemistry (1985), B.S., Ph.D. (University of Central Florida)

ELSHEENAWY, AHMAD K. M., Graduate Coordinator, Professor of Engineering (1986), B.S., M.S., M.Eng., Ph.D. (Pennsylvania State University)


ERGLE, ROBERTA, Instructor of Education (2008), B.A., M.A., Ph.D. (University of Florida)


ETHRIDGE, STEPHEN, Instructor of Writing & Rhetoric (2004), B.A., M.A. (University of Central Florida)


EVANS, DOUG, Instructor of Humanities (1988), B.A., M.A., Ph.D. (Florida State University)

EVETT, JR., ROBERT M., Associate Professor of Education (1990), B.S., M.S., Ph.D. (University of Southern Mississippi)

EZELL, DAN, Associate Professor of Education (1997), Ed.D. (University of Alabama)

FABER, DINA A., Instructor of Spanish (1994), B.A., M.A. (University of South Carolina)

FABIANIC, DAVID A., Professor of Criminal Justice (1985), B.A., M.S., Ph.D. (University of Iowa)

FAHIM, AZZA, Lecturer School of Electrical Engineering and Computer Science (2009), B.S., M.S., Ph.D. (Cairo University)

FALEN, THOMAS J., Instructor of Health Information Management and Health Services Administration (1996), B.S., M.A. (Webster University)

FANG, JIYU, Associate Professor of Engineering Ph.D. (Southeast University)

FARGAM, MARICRUZ, Visiting Instructor of Spanish (2010), B.A., M.A. (University of Central Florida)

FARCAU, BRUCE, Visiting Lecturer of Political Science (2002), B.A., M.A., Ph.D. (Georgetown University)

FAITLESS, PATRICIA, Instructor of History (1997), B.A., M.A. (University of Central Florida)

FAPHTOUR, SASAN, Assistant Professor of Optics and Secondary Joint Professor Department of Electrical Engineering and Computer Science (2008), B.S., M.S., Ph.D. (University of Michigan)

FAITH, JOHN E., Associate Professor of Biology (2003), Ph.D. (Duke University)

FEDORKA, KENNETH M., Assistant Professor of Biology (2005), B.S., Ph.D. (University of South Carolina)

FELDEHEIM, MARY ANN, Interim Chair, Associate Professor of Public Administration (1997), B.S.N., M.S.N., Ph.D. (Florida Atlantic University)

FENTON, JAMES, Director of FSEC and Professor of Engineering (2002), Ph.D. (University of Illinois, Urbana-Champaign)

FERNANDEZ, JOSE B., Dean, College of Arts & Humanities, and Pegasus Professor of History and Spanish (1981), B.A., M.A., Ph.D. (Florida State University)

FERNANDEZ-VALLE, CHRISTINA, Associate Professor of Molecular Biology and Microbiology (1995), Ph.D. (University of Miami)

FERNANDEZ-VALLE, CRISTINA, Associate Professor of Biochemistry (1995), Ph.D. (University of Miami)

FINCH, RANDY, Associate Professor (2005), B.A., J.D. (Fordham University School of Law)

FINE, TERRI S., Professor of Political Science (1989), B.A., M.A., Ph.D. (University of Connecticut)

FIORE, STEPHEN, Assistant Professor of Cognitive Sciences (1998), B.S., B.A., M.S., Ph.D. (University of Pittsburgh)


FISHER, WILLIAM P., Darden Eminent Scholar in Restaurant Management and Professor of Hospitality Management (2001), B.S., M.B.A., Ph.D. (Cornell University)

FJELSTUL, JILL, Assistant Professor of Hospitality Management (2005), B.A., M.A., Ed.D. (University of Central Florida)

FLAGG, JAMES R., Instructor of Legal Studies (1996), B.B.A., J.D., L.L.M. (University of Denver)

FLAMMIA, MADELYN, Associate Professor of English (1990), B.A., M.A., Ph.D. (Rutgers University)


FLINT, MICHAEL W., Instructor of Criminal Justice (2004), B.A., M.S. (University of Central Florida)

FLITSYAN, ELENA, Lecturer of Physics (2002), Ph.D. (USSR Academy of Science)

FLORY, DAVID, Adjunct Instructor (2003), Ph.D. (Wake Forest University)

FOLGER, ROBERT G., Professor of Management (2003), A.B., M.A., Ph.D. (University of North Carolina-Chapel Hill)

FOLSE, KEITH, Professor of TESOL (1999), B.A., M.A., Ph.D. (University of South Florida)

FOKES, BARRY G., Professor of Chemistry (1997), B.S., Ph.D. (Brunei)

FORD, CAMERON, Associate Professor of Management (1997), B.S., Ph.D. (Pennsylvania State University)

FORD, JASON A., Associate Professor of Sociology (2002), B.A., M.A., Ph.D. (Bowling Green State University)

FORD, ROBERT C., Professor of Management (1993), B.A., M.B.A., Ph.D. (Arizona State University)

FORD, ROBERT E., Instructor of Criminal Justice (1999), B.A., M.A., Ph.D. (University of Illinois)

FOROOSH, HASSAN, Associate Professor School of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D (Institute National de la Recherche)

FOSTER, AMY, Assistant Professor of History (2005), B.S., M.A., Ph.D. (Auburn University)

FOSTER, MYRON D., Professor of Marketing (2002), B.S., M.A., Ph.D. (Florida State University)

FOY, H. EDWARD, Lecturer of Psychology (2007), M.S., Ph.D. (University of New Mexico)

FRANCIS, MADISON K., Professor of Art (1996), B.F.A. (Cleveland Institute of Art)

FRAZEE, DONNA, Instructor of Education (2002), B.S., M.A. (University of Central Florida)

FRAZER, ANDREW, Lecturer of Chemistry (2006), B.S., Ph.D. (University of Herffordshire, UK)

FRISKIC, JON, Instructor, Digital Media (2005), B.S., M.S. (University of Central Florida)

FRITZSCHIE, BARBARA, Associate Professor of Psychology (1996), B.S., M.A., Ph.D. (University of South Florida)

FROGINLLO, CHRIS, Visiting Instructor of Writing & Rhetoric (2008), B.A., M.A., Ph.D. (Vanderbilt University)

FRUMON, MICHAEL, Dean, College of Health and Public Affairs (2008), B.S., M.S., Ph.D. (Brandeis University)

FRYE, MELISSA, Assistant Professor of Finance (1999), B.S., Ph.D. (Georgia Institute of Technology)

GALLAGHER, SHAUN, Professor of Philosophy and Secondary Joint Professor of Texts and Technology (2003), B.A., M.A., Ph.D. (Bryn Mawr College)

GAMMONLEY, DENISE, Assistant Professor of Social Work (2003), B.S., M.S.W., Ph. D., L.C.S.W. (University of North Carolina)

GANESH, JAISHANKAR, Associate Professor of Marketing (1996), B.S., B. Tech., M.B.A, Ph.D. (University of Houston)

GANNON, BARBARA, Assistant Professor of History (2010), B.A., M.A., Ph.D. (Pennsylvania State University)

GARCIA, MARTHA, Assistant Professor of Spanish (2005), B.A., M.A., Ph.D. (Vanderbilt University)

GARCIA, NORA LEE, Associate Professor of Music (1996), B.M., M.M., D.M.A. (University of Miami)

GATCHEV, VLADIMIR, Associate Professor of Finance (2005), B.S., M.S., Ph.D. (Tulane University)

GAUDNEK, WALTER, Professor of Art (1970), M.A., Ph.D. (New York University)

GAUSE, JR., J. RICHARD, Associate Librarian (1998), B.S., M.S., M.L.S. (Florida State University)

GAUV, DAVI, Associate Professor of Sociology (1989), B.A., M.A., Ph.D. (Duke University)

GAU, KIRK, Instructor of Music (2005), B.M., M.M. (Cleveland Institute of Music)

GEIGER, CHERIE L., Associate Professor of Chemistry (1996), B.S., Ph.D. (University of South Florida)

GEIGER, CHRISTOPHER, Assistant Professor of Engineering (2004), Ph.D. (Purdue University)

GIBSON, JANE, Professor of Economics (2008), B.A. (University of Central Florida)

GONG, XUN, Writing & Rhetoric University (2008), Ph.D. (University of Florida)

GILLIAM, AMY, Associate Professor of Internal Medicine (2002), B.A., M.A.E., Ph.D. (University of Florida)

GILL, MICHELE G., Adjunct Instructor of Florida (2008), Ph.D. (University of Florida)

GIBBS, W. ERNEST, Psychology (2007), M.S., Ph.D. (University of Texas)

GHIASINEJAD, SHAHRAM, Belgium) Joint Assistant Professor of Chemistry

GORMAN, LAUREL, Arkansas) Instructor of Film

GOODMAN, LAUREN, Assistant Professor of Pharmacology (2009), Ph.D. (Louisiana State University)

GOSS, ARIANA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (Jacksonville University)

GROUL, RICHARD, Lecturer (2008), B.A., M.S. (University of Central Florida)

GUHA, ARUP, Lecturer School of Electrical Engineering and Computer Science (1999), B.S., M.S. (University of Wisconsin)

GUHA, RATAN K., Professor School of Electrical Engineering and Computer Science (1990), B.S., M.S., Ph.D. (University of Texas)

GUIMOND, MARY, Instructor, College of Nursing (2008), B.S.N., M.S.N. (University of Florida)

GUICHARD, CYNTHIA, Instructor of Marketing (2000), B.S., M.B.A. (University of Central Florida)

GUNTER, GLENDI, Associate Professor of Education (1996), B.S., M.A., Ph.D. (Mississippi State University)

HACIMERIOGLU, ERHAN, Professor of Education (2007), B.S., M.S., Ph.D. (Florida State University)

HADRIKA, DARLNE, Research Associate, Digital Media (2005), B.A., M.F.A. (University of California at Los Angeles)

HAGAN, DAVID J., Associate Dean for Academic Programs & Professor of Optics (1987), B.S., Ph.D. (Heriot-Watt University)

HAGEDORN, W. BRYCE, Associate Professor of Education (2007), Ph.D. (The University of North Carolina at Greensboro)

HAGEN, SCOTT C., Associate Professor of Engineering (1997), B.S.E, Ph.D. (University of Notre Dame)

HANSEN, KENNETH, Associate Professor of Judaic Studies (2004), B.A., Ph.D. (University of Texas, Austin)

HARA, TADAYUKI, Associate Dean of Administration and Finance, Associate Professor of Hospitality Management (2005), B.S., M.S., MBA, MPS, Ph.D. (Cornell University)

HARALAMBOUS, MICHAEL, Assistant Professor of Dental Engineering and Computer Science (1979), B.S., M.S., Ph.D. (George Washington University)

HARNER, KEVIN, Associate Professor of Art (1995), B.A., B.F.A., M.F.A. (University of Tennessee at Knoxville)

HARREN, BARBARALYN, Instructor of Communication Sciences and Disorders (2006), A.S., B.S., M.S. (University of Oregon)

HARRINGTON, JOSEPH, Associate Professor of Physics (2006), B.S., Ph.D. (Massachusetts Institute of Technology)

HARRIS, CHRISTOPHER, Associate Professor of Film (2001), B.A., M.F.A. (School of the Art Institute of Chicago)

HARRIS, ELIZABETH, Instructor of Biology (2004), B.A., Ph.D. (Louisiana State University)

HARRIS, JUDY, Assistant Professor of Marketing (2001), B.A., Ph.D. (University of Houston)

HARRIS, LANI, Professor of Theatre (1997), B.A., M.F.A. (University of Southern California)

HARRIS, MARY BETH, Assistant Professor of Social Work (2006), M.S.W., Ph.D., L.C.S.W. (University of Washington)
HARRIS, PHYLLIS, Instructor of Management (2006), B.S.J., M.B.A. (Northwestern University)
HARRISON, C. KEITH, Associate Professor of Sport Business Management (2006), B.S., M.A., Ph.D. (University of Southern California)
HARRISON II, RICHARD, H., Associate Librarian (2001), B.A., M.L.S. (Vanderbilt University)
HARVEY, CHARLOTTE, Director of Clinical Education and Instructor of Communication Sciences and Disorders (1990), B.A., M.S., Ed.D. (University of Central Florida)
HARVEY, JAMES E., Associate Professor of Engineering & Optics (1990), A.B., M.S., Ph.D. (Arizona State University)
HASSAN, SALLY, Associate Professor of Communication (2005), B.A., M.A., Ph.D. (University of Massachusetts)
HAWKINS, RONNIE, Associate Professor of Philosophy (1994), B.S., M.D., M.A., Ph.D. (University of Florida)
HAXTON, DAVID, Professor of Art (1995), B.A., M.F.A. (University of Michigan)
HAYES, B. GRANT, Chair and Professor of Education (1999), B.A., M.Ed., Ed.S., Ph.D. (University of South Carolina)
HE, XIN, Assistant Professor of Marketing (2004), B.E., M.B.A., Ph.D. (University of Pittsburgh)
HEAD, DAVID, Visiting Assistant Professor of History (2010), B.A., M.A., Ph.D. (State University of New York at Buffalo)
HEGLUND, STEPHEN, Associate Professor School of Electrical Engineering and Computer Science (2003), B.S., M.S., Ph.D. (Stanford University)
HELSINGER, JIM, Artistic Director of Orlando Shakespeare Theater and Visiting Assistant Professor of Theatre (1995), B.A., M.F.A. (University of Alabama-Alabama Shakespeare Festival)
HENKEN, LUANN, Visiting Instructor of English (2007), B.A., M.A. (University of Central Florida)
HENNING, LINDA, Associate Dean, Undergraduate Affairs, College of Nursing (1989), M.S.N., Ed.D. (University of Central Florida)
HEPNER, LYNN, Assistant Dean, Academic Programs, College of Arts & Humanities (1995), B.A., M.A. (University of Central Florida)
HERLIHY, KEVIN, Instructor of History (2002), B.D., B.A., M.A., Ph.D. (University of Dublin)
HERNANDEZ, FLORENCIO E., Associate Professor of Chemistry and Secondary Joint Associate Professor of Optics (2002), B.S., Ph.D. (Universidad Central de Venezuela)
HERNANDEZ, TERRI, Lecturer and Associate Chair of Psychology (2010), B.A., M.A., Ed.D. (University of Central Florida)
HEWITT, RANDALL, Associate Professor of Education (2001), B.A., M.A.E., Ph.D. (University of Florida)
HEWLINGS, SUSAN, Assistant Professor of Medical Education and Nutrition (2009), Ph.D. (Florida State University)
HECKMAN, JAMES, Professor of Chemistry and Joint Professor of Nanoscience Technology (2004), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
HIGGINS, PATRICK, Instructor of Mathematics (1999), B.S., M.S. (University of Central Florida)
HIGHTOWER, ROSS T., Assistant Professor of Management Information Systems (1999), B.S., M.S., Ph.D. (Georgia State University)
HILLSGROVE, TALI, Assistant Professor of Military Science, Enrollment Officer (2009), B.S., M.A., Ph.D. (University of Central Florida)
HINES, REBECCA, Associate Professor of Education (1999), Ph.D. (University of South Florida)
HINKLE, ROSS, Chair and Professor of Biology (2009), Ph.D.
HINSHAW, CAROLE S., Marketing & Program Officer and University Librarian (1986), B.S., M.L.S. (Louisiana State University)
HIRUMI, ATSUSI, Associate Professor of Education (2003), B.S., M.A., Ph.D. (Florida State University)
HITCHCOCK, DORILYN F., Assistant Professor, Program Director of Medical Laboratory Sciences (1989), M.T., M.S. (Northeastern University)
HITT, JOHN C., President of the University, Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)
HOBART, JAMES, Visiting Instructor of Communication (2008), B.A. (University of Central Florida)
HODGSON, SHARI, Instructor of Communication (1999), B.A., M.A. (University of Central Florida)
HOEKSTRA, ROBERT L., Associate Professor of Engineering (1993), B.A., M.DES., Ph.D. (University of Cincinnati)
HOFMAN, BOBBY, Assistant Professor of Education (2006), B.A., M.A., Ph.D. (University of Las Vegas)
HOFMAN, ERIC, Assistant Professor of Biology (2005), B.S., M.S., Ph.D. (Oregon State University)
HOFMAN, JAY, Professor (2010), B.S., M.S., Ph.D. (University of Central Florida)
HOFLER, RICHARD A., Professor of Economics (1989), B.S., Ph.D. (University of North Carolina-Chapel Hill)
HOGG, JAMES P., Lecturer (2010), M.S., Ph.D. (University of Central Florida)
HOLCOMB, AL D., Associate Professor of Music (2000), B.M.E., M.M.E., Ph.D. (University of Hartford)
HOLIC, NATHAN, Visiting Instructor of Writing & Rhetoric (2007), B.A., M.F.A. (University of Central Florida)
HOLLADAY, SHERRY J., Professor of Communication (2010), B.A., M.A., Ph.D. (Purdue University)
HOLLAND, KATHIE K., Instructor of Management (2001), B.S., M.B.A. (University of Central Florida)
HOLMES, STEPHEN, Associate Professor of Criminal Justice (1997), B.S., M.A., Ph.D. (University of Cincinnati)
HOLT, LARRY C., Associate Professor of Education (1988), B.S., Ed.D. (University of Cincinnati)
HOPKINS, MARTHA H., Professor of Education (1980), B.A., M.Ed., Ph.D. (Florida State University)
HOPP, CAROLYN, Instructor and Coordinator of Education (1998), B.A., M.A., Ph.D. (University of Central Florida)
HORNK, STEVEN R., Lecturer of Accounting (2006), B.A., Ph.D. (Florida International University)
HOSTETLER, JANE, Instructor of Communication Sciences and Disorders (2004), B.A., M.A. (University of Central Florida)
HOUTHONG, DAVID, Associate Professor of Political Science (2003), B.A., M.A., Ph.D. (University of Pittsburgh)
HOWER, ROSALYN, Associate Professor of Anthropology (1999), B.A., M.Ed., Ph.D. (University of Florida)
HOYT, ERICA, Instructor, College of Nursing (2003), M.S.N. (University of Phoenix)
HU, HAIYAN, Assistant Professor School of Electrical Engineering and Computer Science (2008), B.S., M.S., Ph.D. (University of Southern California)
HUA, KIEN, Professor School of Electrical Engineering and Computer Science (1990), B.S., M.S., Ph.D. (University of Illinois-Urbana Champaign)
HUA, NAM, Assistant Professor of Hospitality Management (2007), B.S., M.S., Ph.D. (The Pennsylvania State University)
HUAXIANG, TAN, Associate Professor of Theatre (1997), B.A., M.F.A. (Utah State University)
HUBBARD, SUSAN S., Professor of English (1995), B.A., M.A. (Syracuse University)
HUDDOCK, LINDSAY, Visiting Instructor of Communication (2008), B.A., M.A. (University of Central Florida)
HUFF-CORZINE, LIN, Associate Vice Provost, Academic Affairs, and Professor of Sociology (1996), B.A., B.A. (Washington University in St. Louis)
HUGHES, CHARLES E., Professor, School of Electrical Engineering and Computer Science and Joint Appointment in Digital Media (1986), B.A., M.S., Ph.D. (Penn State University)
HUGHES-BRAND, N. SHEA, Visiting Instructor of Education (2007), B.S., M.S., Ph.D. (Florida State University)
HULL, ERIC, Assistant Professor of Legal Studies (2007), B.S., M.S., J.D. (Barry University School of Law)
HUNDELEY, GILNORA, Visiting Instructor (2010), B.A., M.D., Ph.D. (University of Central Florida)
HUNT, DEBRA, Instructor, College of Nursing (2007), B.S.N., M.S.N. (University of Central Florida)
HUNT, JEREMY, Assistant Professor of Music (2001), B.M., M.M., D.M.A. (Indiana University)
HUO, QUN, Associate Professor of Nanoscience Technology and Joint Associate Professor of Chemistry (2005), B.S., M.S., Ph.D. (University of Miami)
HUSAIN, MUJTABA, Professor, Pathology, College of Medicine (2010), M.B.B.S. (University of Karachi)
HUSTY, TODD, Assistant Professor of Emergency Medicine (2009), D.O. (Kansas City College of Osteopathic Medicine)
HUTCHINSON, CYNTHIA J., Associate Professor of Education (1989), B.S., M.A., Ed.D. (Florida Atlantic University)

UCF Faculty
KHALED, ANNETTE, Associate Professor (2002), Ph.D. (University of Florida)
KHALIL, MOHAMMED, Assistant Professor of Anatomy (2008), Ph.D. (Purdue University)
KHONDAKER, SAIFUL, Associate Professor of Physics and Secondary Joint Professor Department of Electrical Engineering and Computer Science (2006), Ph.D. (Cambridge University, UK)
KIAN, EDWARD, Assistant Professor of Education (2006), Ph.D. (Florida State University)
KIBBLE, JONATHAN, Associate Professor of Physiology (2008), Ph.D. (University of Manchester)
KIEL, DWIGHT, Associate Professor of Political Science (1990), B.A., M.A., Ph.D. (University of Massachusetts)
KIK, PIETER G., Assistant Professor of Optics & Photonics (2003), B.S., Ph.D. (F.O.M. Institute of Amsterdam, Netherlands)
KILLINGSWORTH, ELIZABETH, Acting Head, Information Literacy & Outreach and Associate Librarian (2000), B.S., M.L.S. (University of North Texas)
KILMAN II, MARCUS D., Head, Circulation & Media Services and Assistant Librarian (1996), B. S., M.S.L.S. (University of Texas)
KIM, JOO, Associate Professor of Art (1999), B.A., Ph.D. (University of Minnesota)
KIM, MYUNGHEE, Assistant Professor of Political Science (2007), B.P.A., M.A., Ph.D. (Binghamton University - SUNY)
KIM, SI JUNG, Visiting Assistant Professor of Digital Media (2010), Ph.D. (Virginia Tech)
KINNALLY, WILLIAM, Assistant Professor of Communication (2008), B.A., M.A., Ph.D. (Florida State University)
KINSEY, BARBARA, Associate Professor of Political Science (2002), B.A., Ph.D. (Washington University)
KIRBY, PAMELA E., Associate Dean and Instructor of Legal Studies (2000), B.A., M.A., J.D. (University of Virginia)
KIRKPATRICK, LEE ANNE, Director, College of Sciences Academic Support (1982), B.A., M.S. (University of Central Florida)
KISBY, CYNTHIA M., Head, Regional Campus Libraries and Associate Librarian (1996), B.A., M.A.L.S. (Dominican University)
KLAPHEKE, MARTIN, Professor of Psychiatry, College of Medicine (2010), M.D. (University of Kentucky)
KLEMM, RICHARD A., Visiting Professor of Physics (2010), M.A., Ph.D. (Harvard University)
KLODWIN, GREGG, Visiting Lecturer in the College of Business (2007), Ph.D. (University of Florida)
KNICKEY, JONATHAN O., Associate Professor of Political Science (1998), B.A., M.A., Ph.D. (University of New Orleans)
KOBŁAZ, MARCARIAN M., Instructor of Legal Studies (2004), B.A., J.D. (Stetson University)
KOGER, PHILIP C., Associate Faculty of Education (1999), B.A., M.A.T., Ed.S., Ed.D. (University of South Carolina)
KOHN, ROBIN M., Clinical Instructor and UG B.S.W. Coordinator, School of Social Work (2000), B.A., B.S.W., M.S.W., L.C.S.W. (Florida State University)
KOKOULINE, VIATCHELSAV, Associate Professor of Physics (2003), Ph.D. (Universite de Paris)
KOLATTUKUDY, P.E., Professor, Director, Burnett School of Biomedical Sciences (2002), B.S., B.Ed., Ph.D. (Oregon State University)
KOLPASSCHIKOV, DMITRY, Assistant Professor of Chemistry (2008), B.S., M.S., Ph.D. (Novosibirsk Institute of Bioorganic Chemistry, Russia)
KONG, ANTHONY, Assistant Professor of Communication Sciences and Disorders (2007), B.S., Ph.D. (University of Hong Kong)
KOONS, KEITH, Professor of Music (1990), B.M.E., M.M., D.M.A. (University of Southern California)
KOROSC, RONNIE L., Assistant Professor (2001), B.A., M.P.A., Ph.D. (State University of New York at Binghamton)
KOTNOUR, TIMOTHY G., Assistant Professor of Engineering (1995), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University, Virginia)
KOVAROVA, ALLA, Visiting Instructor of Modern Languages (2008), B.A., M.A., Ph.D. (Moscow State University, Russia)
KOVACH, KEITH, Associate Professor of Art (2004), B.A., M.F.A. (University of South Florida)
KRICK, STEPHANIE, Visiting Instructor (1997), M.P.A. (Troy State)
KRISHNA MOORTHY, ANAND, Assistant Professor of Marketing (2004), B.Tech., Ph.D. (University of Texas, Dallas)
KUBIET, LESLIE, Instructor, College of Nursing (2006), A.R.N.P., M.S.N. (University of Florida)
KUHBLER, STEPHEN, Assistant Professor of Chemistry and Joint Assistant Professor of Optics (2003), B.S., Ph.D. (Oxford University)
KUJAWA, FRANK B., Associate Professor of Chemistry (1989), B.A., Ph.D. (Johns Hopkins University)
KUMAR, RANGANATHAN, Professor of Engineering (2003), B.S., M.S., Ph.D. (University of Illinois at Urbana-Champaign)
KUMIKA, WILLIAM, Instructor of Education (2006), B.S., M.S., Ph.D. (Florida State University)
KWN, DAVID, JOON-WUK, Assistant professor of Hospitality Management (2006), B.S., M.S., Ph.D. (Iowa State University)
KYLE, BARBARA, Instructor of Writing & Rhetoric (2006), B.A., M.A. (University of Central Florida)
LADORES, SIGRID, Instructor, College of Nursing (2004), M.S.N. (University of Pennsylvania)
LAEFFERTY, PATRICIA, Advisor/Instructor, College of Nursing (1995), M.S. (University of Central Florida)
LAMANNA, JACQUELINE, Instructor, College of Nursing (2006), M.S.N. (University of Florida)
LAMBERT, STEPHEN, Associate Professor of Medical Education (2006), Ph.D. (University of Wiltwatersrad)
LAMBIE, GLENN, Associate Professor (2005), B.A., M.Ed., Ph.D. (College of William & Mary)
LANDREVILLE, SARAH, Instructor, College of Nursing (2008), B.S.N., M.S.N (University of Central Florida)
LANG, SHEA-DONG, Associate Professor School of Electrical Engineering and Computer Science (1941), B.S., M.S., Ph.D. (Pennsylvania State University)
LANGE, BARBARA, Coordinator R.N. to B.S.N. Program and Instructor, College of Nursing (2002), M.S.N. (Bellarmine University)
LANGWORTHY, ROBERT, Chair of Department of Criminal Justice and Professor of Criminal Justice (2007), B.S., M.A., M.A., Ph.D. (State University of New York-Albany)
LANIER, DREW N., Associate Professor of Political Science (1997), B.A., J.D., Ph.D. (University of North Texas)
LANIER, MARK A., Associate Professor of Criminal Justice (1993), B.S., M.S., Ph.D. (Michigan State University)
LANIER, PATRICIA, Instructor of Education (2004), B.A., M.A. (University of Central Florida)
LAPCHICK, RICHARD E., Professor and Director of Sports Business Management (2001), B.S., M.S., Ph.D. (University of Denver)
LARSON, PETER, Assistant Professor of History and Graduate Program Director (2006), B.A., M.A., Ph.D. (Rutgers, The State University of New Jersey)
LARTONOIX, PAUL F., Associate Professor of Theatre (1998), B.A., M.F.A. (Lindenwood University)
LAUNIER, EUGENE, Instructor of Writing & Rhetoric (2008), B.A., M.A. (St. Cloud State University)
LAVENDOL, VICKI, Instructor (2010), B.S., M.D., M.B.A. (Crummer Graduate School of Business, Rollins College)
LAVIOLE, JOSEPH, Assistant Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Brown University)
LAWRENCE, SHAWN, Assistant Instructor of Social Work (2006), Ph.D., L.C.S.W. (University at Buffalo)
LAWThER, WENDELL C., Associate Professor of Public Administration (1984), B.A., M.A., Ph.D. (Indiana University)
LEAVENS, GARY T., Professor, Assistant Director School of Electrical Engineering and Computer Science (2007), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
LEE, DAVID, Assistant Professor of Theatre (2005), B.F.A., M.F.A. (Yale School of Drama)
LEE, GENE C. H., Associate Professor of Engineering (1985), B.E., M.S., M.S.I.E., Ph.D. (Texas Tech University, P.E. (Texas, Florida)
LEE, J-EUN, Visiting Assistant Professor (2010), M.S., Ph.D. (Purdue University)
LEE, JOOHEUNG, Assistant Professor Department of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Pennsylvania State University)
LEE, JUNHO, Assistant Professor of Mathematics (2007), B.S., M.S., Ph.D. (Michigan State University)
LEHMANN, THOMAS, Visiting Assistant Professor of Ed (2008), B.A., M.A., Ph.D. (Florida State University)
LEHMANN, GERALD, Capt., USAF, Assistant Professor of Aerospace Studies (2006), B.S., MBA (Webster University)
LEIGH JR., WILLIAM E., Associate Professor of Management Information Systems (1987), B.S., M.S., M.B.A., Ph.D. (University of Cincinnati)
LELI, PATRICIA, Undergraduate Coordinator and Instructor, College of Nursing (1979), M.S.N. (University of Alabama at Birmingham)
LENZ, HENRY A., Visiting Instructor of Digital Media (2010), M.F.A. (University of Central Florida)
LEON, ANA M., Associate Professor of Social Work (1994), B.A., M.S.W., Ph.D. (New York University)

UNIVERSITY OF CENTRAL FLORIDA

UCF Faculty
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>School/Program</th>
<th>Degree Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>LESTER, CONNIE</td>
<td>Associate Professor of History</td>
<td>Director of RICHES, Editor of Florida Historical Quarterly</td>
<td>(2005), B.S., M.A., Ph.D. (University of Tennessee)</td>
</tr>
<tr>
<td>LETICEE, MARIE</td>
<td>Associate Professor of French</td>
<td>(1994), B.A., M.A., Ed.D. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>LEUNER, JEAN</td>
<td>Dean and Professor</td>
<td>College of Nursing</td>
<td>(2003), C.N.E., M.S.N., Ph.D. (Boston College)</td>
</tr>
<tr>
<td>LI, GUIFANG</td>
<td>Professor of Optics &amp; ECECS</td>
<td></td>
<td>(1997), B.S., M.S., Ph.D. (University of Wisconsin-Madison)</td>
</tr>
<tr>
<td>LI, XIAOMAN</td>
<td>Assistant Professor</td>
<td></td>
<td>(2008), Ph.D. (University of Southern California)</td>
</tr>
<tr>
<td>LI, XON</td>
<td>Professor of Mathematics</td>
<td></td>
<td>(1990), B.A., M.A., Ph.D. (University of South Florida)</td>
</tr>
<tr>
<td>LI, KAM WA, PATRICK</td>
<td>Associate Professor of Optics &amp; ECECS</td>
<td>(1993), B.E., Ph.D. (University of Sheffield)</td>
<td></td>
</tr>
<tr>
<td>LIAO, YI</td>
<td>Assistant Professor of Chemistry</td>
<td>(2006), B.S., Ph.D. (University of Massachusetts)</td>
<td></td>
</tr>
<tr>
<td>LIBERMAN, AARON</td>
<td>Professor of Health Services Administration</td>
<td>(1996), B.A., M.S., M.A., Ph.D. (University of Iowa)</td>
<td></td>
</tr>
<tr>
<td>LILLOS, ANNA</td>
<td>Associate Professor of English</td>
<td></td>
<td>(1986), B.A., M.A., Ph.D. (University of Iowa)</td>
</tr>
<tr>
<td>LIN, KOU-CHI KURT</td>
<td>Associate Professor</td>
<td></td>
<td>(1990), Ph.D. (University of Michigan), P.E. (Florida)</td>
</tr>
<tr>
<td>LIN, MINJIE</td>
<td>Assistant Professor</td>
<td>Department of Electrical Engineering and Computer Science</td>
<td>(2011), B.S., M.S., Ph.D. (Stanford University)</td>
</tr>
<tr>
<td>LINDBRENDT, ROBB</td>
<td>Assistant Professor of Digital Media</td>
<td>(2009), Ph.D. (Stanford University)</td>
<td></td>
</tr>
<tr>
<td>LINDSLEY, BOYD</td>
<td>Assistant Director and Instructor of Communication</td>
<td>(2007), B.A., M.A. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>LIOU, JUIN J</td>
<td>Professor Department of Electrical Engineering and Computer Science</td>
<td>(1986), B.S.E.E., M.S.E.E., Ph.D. (University of Florida)</td>
<td></td>
</tr>
<tr>
<td>LIOU, KUOTSU TOM</td>
<td>Professor of Public Administration</td>
<td>(1996), B.A., M.P.A., D.P.A. (University of Oklahoma)</td>
<td></td>
</tr>
<tr>
<td>LINSTEDTEN, JULIA</td>
<td>Associate Professor of Theatre</td>
<td></td>
<td>(1999), M.A., Ph.D. (University of Michigan)</td>
</tr>
<tr>
<td>LITTLE, MARY</td>
<td>Associate Professor of Education</td>
<td>(1996), Ph.D. (University of Kansas)</td>
<td></td>
</tr>
<tr>
<td>LLEWELLYN, MARK</td>
<td>Lecturer School of Electrical Engineering and Computer Science</td>
<td>(1998), B.S., B.A., Ph.D. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>LOERZEL, VICTORIA</td>
<td>Assistant Professor, College of Nursing</td>
<td>(2007), B.A., B.S.N., M.S.N., Ph.D. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>LOGAN, LISA</td>
<td>Associate Professor of English</td>
<td>(1996), B.A., M.A., Ph.D. (University of Rochester)</td>
<td></td>
</tr>
<tr>
<td>LOGAN, RONALD</td>
<td>Associate Professor of Hospitality Management</td>
<td>(2003), B.A., M.A. (University of California, Los Angeles)</td>
<td></td>
</tr>
<tr>
<td>LOGUICE, FRANCIS</td>
<td>Instructor of Biology</td>
<td>(1997), B.S., M.S. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>LONG, GEORGE</td>
<td>Instructor of Anthropology</td>
<td>(1991), B.A., M.A. (University of Florida)</td>
<td></td>
</tr>
<tr>
<td>LONG, MARK</td>
<td>Instructor of History</td>
<td>(2007), B.A., M.A., Ph.D. (Loyola University)</td>
<td></td>
</tr>
<tr>
<td>LOPEZ, GENARO</td>
<td>Professor, Director of PreHealth Professionals Advisement Office</td>
<td>(2004), Ph. D. (Colorado State University)</td>
<td></td>
</tr>
<tr>
<td>LOPEZ, HUMBERTO J.</td>
<td>Professor of Spanish</td>
<td>(1996), B.A., M.A., Ph.D. (The Florida State University)</td>
<td></td>
</tr>
<tr>
<td>LOPEZ-O'EDA, WILFRED</td>
<td>Instructor</td>
<td>(2003), M.S. (University of Puerto Rico School of Medicine)</td>
<td></td>
</tr>
<tr>
<td>LOPP, LINDA</td>
<td>Instructor, College of Nursing</td>
<td></td>
<td>(2008), B.S.N., M.S.N. (University of Phoenix)</td>
</tr>
<tr>
<td>LORIE, MICHAEL</td>
<td>Instructor of Sociology</td>
<td>(2009), B.A., M.A. (University of Florida)</td>
<td></td>
</tr>
<tr>
<td>LOTZ, THEO</td>
<td>Director of Flying Horse Press and Instructor</td>
<td>(2004), B.A., M.F.A. (Louisiana State University)</td>
<td></td>
</tr>
<tr>
<td>LUCKEN, KAROL M.</td>
<td>Associate Professor of Criminal Justice</td>
<td>(1994), B.A., M.S., Ph.D. (Florida State University)</td>
<td></td>
</tr>
<tr>
<td>LUDWIG, VIRGINIA</td>
<td>Instructor of TESOL</td>
<td>(1999), B.A. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>LUO, WELLI</td>
<td>Professor of Physics</td>
<td>(1991), B.S. Ph.D. (University of California, Los Angeles)</td>
<td></td>
</tr>
<tr>
<td>LYNCH, PERRY</td>
<td>Instructor of Hospitality Management</td>
<td>(2006), B.S., M.S. (University of Wisconsin-Stout)</td>
<td></td>
</tr>
<tr>
<td>LYNXWILER, JOHN P.</td>
<td>Associate Professor of Sociology</td>
<td>(1989), B.A., M.A., Ph.D. (University of Tennessee)</td>
<td></td>
</tr>
<tr>
<td>LYONS, AMELIA</td>
<td>Assistant Professor of History</td>
<td>(2005), B.A., M.A., Ph.D. (University of California, Irvine)</td>
<td></td>
</tr>
<tr>
<td>LYLYE, J. STEPHEN</td>
<td>Associate Professor of Health Services Administration</td>
<td>(1975), RRT, B.S., M.S., M.P.H. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>MABOUTHOU-TCHAO, EDGARD</td>
<td>Assistant Professor of Statistics</td>
<td>(2007), B.S., M.S., Ph.D. (University of Minnesota)</td>
<td></td>
</tr>
<tr>
<td>MACKIE, KEVIN</td>
<td>Assistant Professor of Engineering</td>
<td>(2006), B.E., M.S., Ph.D. (University of California, Berkeley)</td>
<td></td>
</tr>
<tr>
<td>MACDONALD, DONALD C.</td>
<td>Professor Department of Electrical Engineering and Computer Science</td>
<td>(1981), B.S., M.S., Ph.D. (University of Illinois), P.E. (Florida)</td>
<td></td>
</tr>
<tr>
<td>MACRAH, MARTHA</td>
<td>Associate Professor of Writing &amp; Rhetoric</td>
<td>(1998), B.A., M.A., Ph.D. (Lehigh University)</td>
<td></td>
</tr>
<tr>
<td>MARINESCU, DAN</td>
<td>Professor School of Electrical Engineering and Computer Science</td>
<td>(2001), B.S., M.S., PhD (Polytechnic Inst. Bucharest)</td>
<td></td>
</tr>
<tr>
<td>MAROSI, LASZLO</td>
<td>Associate Professor of Music</td>
<td>(2003), Ph.D. (Florida State University)</td>
<td></td>
</tr>
<tr>
<td>MARRETT, CAROLINE</td>
<td>Instructor and Coordinator</td>
<td>(2007), B.S., M.A., Ph.D. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>MARTIN, HEATH M.</td>
<td>Associate Professor of Mathematics</td>
<td>(1995), B.S., Ph.D. (Louisiana State University)</td>
<td></td>
</tr>
<tr>
<td>MARTIN, MICHAEL JASON</td>
<td>Acting Head, Curriculum Materials and Center Assistant Librarian</td>
<td>(2003), B.A., M.A.L.I.S. (University of South Florida)</td>
<td></td>
</tr>
<tr>
<td>MARTIN, PAUL</td>
<td>Instructor of Writing &amp; Rhetoric</td>
<td>(2006), B.A., M.A. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>MARTIN, SUZANNE</td>
<td>Professor of Education</td>
<td>(2000), B.S., M.Ed., Ph.D. (University of Florida)</td>
<td></td>
</tr>
<tr>
<td>MARTIN, THOMAS L.</td>
<td>Associate Professor of Economics</td>
<td>(1983), B.A., B.S., Ph.D. (Rice University)</td>
<td></td>
</tr>
<tr>
<td>MARTIN JR, FRANCIS</td>
<td>Professor of Art History</td>
<td>(1987), B.A., M.A., Ph.D. (University of California at Los Angeles)</td>
<td></td>
</tr>
<tr>
<td>MARTINEZ-FERNANDEZ, LUIS</td>
<td>Professor of History</td>
<td>(2004), B.A., M.A., Ph.D. (Duke University)</td>
<td></td>
</tr>
<tr>
<td>MASSIAH, CAROLYN A.</td>
<td>Lecturer in Marketing</td>
<td>(2005), B.A., M.B.A., Ph.D. (Arizona State University)</td>
<td></td>
</tr>
<tr>
<td>MATUSITZ, JONATHAN</td>
<td>Assistant Professor of Communication</td>
<td>(2005), B.A., M.A., Ph.D. (University of Oklahoma)</td>
<td></td>
</tr>
<tr>
<td>MAUER, BARRY J.</td>
<td>Associate Professor of English</td>
<td>(1999), B.A., M.A. (University of Florida)</td>
<td></td>
</tr>
<tr>
<td>MAUKOEN, DEBRA</td>
<td>Visiting Instructor of Humanities</td>
<td>(2006), B.A., M.L.S. (Rollins College)</td>
<td></td>
</tr>
<tr>
<td>MAUICE-CAUDRA, JOSE</td>
<td>Associate Professor of Digital Media, Director of Latin American Studies, Interim Associate Director of the School of Visual Arts and Design</td>
<td>(2008), B.A., M.S., Ph.D. (Bowling Green University)</td>
<td></td>
</tr>
<tr>
<td>MEYER, BETTY</td>
<td>Instructor, College of Nursing</td>
<td>(2002), A.R.N.P., Ph.D. (University of South Florida)</td>
<td></td>
</tr>
<tr>
<td>MEYER, MARCOSI, STEPHANIE</td>
<td>Instructor of Marketing</td>
<td>(2001), B.A., M.S. (Florida International University)</td>
<td></td>
</tr>
<tr>
<td>MAZZOCCHELLI, CHIARA</td>
<td>Assistant Professor of Italian</td>
<td>(2007), B.A., M.A., Ph.D. (Florida Atlantic University)</td>
<td></td>
</tr>
<tr>
<td>McCAIN, JOAN</td>
<td>Advertising-Public Relations Area Coordinator and Instructor of Communication</td>
<td>(2004), B.A., M.A. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>MCDONALD, DONALD C.</td>
<td>Professor Department of Electrical Engineering and Computer Science</td>
<td>(1981), B.S., M.S., Ph.D. (University of Illinois), P.E. (Florida)</td>
<td></td>
</tr>
<tr>
<td>MCCARTY, BERNARD J.</td>
<td>Professor of Criminal Justice</td>
<td>(1992), B.A., M.A. (Florida State University)</td>
<td></td>
</tr>
<tr>
<td>MCCAULEY-BUSH, PAMELA R.</td>
<td>Associate Professor of Engineering</td>
<td>(1993), B.S., B.S., Ph.D. (University of Oklahoma)</td>
<td></td>
</tr>
</tbody>
</table>
UCF Faculty

McCONNELL, DANIEL, Lecturer of Psychology (2007), Ph.D. (Indiana University)

McDANIEL, THOMAS, Assistant Professor of Digital Media (2005), B.S., M.A., Ph.D. (University of Central Florida)

MCDONALD, HOLLY, Instructor (2002), M.F.A. (University of Alabama, Tuscaloosa)

McDONALD, MICHAEL L., Associate Professor of Management (2003), B.A., Ph.D. (University of Texas-Austin)

McDONOUGH, MELANIE, Clinical Coordinator/Instructor Health Sciences (Cardiopulmonary Sciences) (2003), M.S.H.S. (University of Central Florida)

McGEE, JANET, Assistant Professor (2007), B.S., M.S., Ed.D. (Duquesne University)

McGUIRE, JOHN M., Professor of Management (2007), B.S., M.S., Ed.D. (Duquesne University)


McINTYRE, MATTHEW, Assistant Professor of Anthropology and Secondary Joint Assistant Professor of Medical Education (2007), Ph.D. in Anthropology, MSC in Epidemiology (Harvard)


McPEEK, T. KEITH, Assistant Professor of Architecture (2010), Ph.D. (Texas A&M University)

MEEHAN, KEVIN, Associate Professor of English (1996), B.A., M.A., Ph.D. (University of Maryland)

MENDELSON, HAROLD D., Assistant Librarian (2001), B.S., M.A., M.L.S. (San Jose State University)

MICHAEL, STACY, Training NCO (2009)

MICHELS, RONALD E., Chair and Professor of Marketing (1994), B.S., M.B.A., Ph.D. (Indiana University)

MIGENES, LAURYN, Instructor of Management (1998), B.S., M.B.A., Ph.D. (University of Wales at Aberystwyth)

MIHAI, FLORIN, Assistant Professor of TESOL (2006), B.A., M.A., Ph.D. (The Florida State University)

MIKHAEL, WASFY B., Professor Department of Electrical Engineering and Computer Science (1988), B.S.E.E., M.S.E.E., Ph.D. (Concordia University)

MIKUSINSKI, PIOTR, Chair and Professor of Mathematics (1985), M.S., Ph.D. (Polish Academy of Sciences, Institute of Mathematics)

MILES, D. HOWARD, Professor of Chemistry (1988), B.S., Ph.D. (Georgia Institute of Technology)

MILETI-CVEZOVIC, LAILA, Head, Special Collections & University Archives and Associate Librarian (2008), B.A., M.A.L.I.S. (University of Wisconsin)

MILLER, ANN, Assistant Professor of Communication (2008), B.A., M.A., Ph.D. (University of Georgia)

MILLER, MARGARET, Multi-Year Instructor & Coordinator of Education (2007), B.S., M.A., Ph.D. (Virginia Polytechnic Institute and State University)

MILLER, MATTHEW, Instructor of Chemistry (2010), B.S., M.S. (University of Florida)

MILLS, LISA, Assistant Professor of Film and Documentary (1999), B.A., M.A., Ph.D. (University of Florida)

MILMAN, ADY, Instructor of English (2007), B.S., M.S., Ph.D. (University of Central Florida)

MIRON, ABBY F., Instructor of Legal Studies (2000), B.S., M.S., J.D. (University of Florida)

MILONE, J. WALTER, Professor of Economics (2000), B.S., M.S., Ph.D. (Florida State University)

MINARDI, ANTONIO, Associate Professor of Engineering (1977), B.A., S.C., M.S., Ph.D. (University of Central Florida)


MISHAL, JOANNA, Assistant Professor of Anthropology (2008), Ph.D. (University of Colorado)

MOBERG, J. NICOLE, Instructor of Marketing (2001), B.S., M.S. (University of Central Florida)

MOHAPATRA, RAM N., Professor of Mathematics (1984), B.S., M.S., Ph.D. (University of Jbabpur)

MOHARAM, GAMAL, Professor of Optics (1969), B.S., Ph.D. (University of British Columbia)

MOHRENNE, ROBERT W., Instructor of Writing & Rhetoric (2004), B.A., M.A. (University of Central Florida)

MOLINA, OLGA, Assistant Professor of Social Work (2006), D.S.W. (Hunter College)

MOLLAGHASEMI, MANSOOREH, Associate Professor of Philosophy (1991), B.S., M.E., Ph.D. (University of Louisville)

MORRIS, JOAN, Associate Professor of Sociology (1993), B.A., M.A., Ph.D. (Louisiana State University)

MORTON, WILLIAM C., Instructor of Communication (2010), B.A., M.A., Ph.D. (University of Central Florida)

MORSE, ANNE, Instructor of Sociology (2008), Ph.D. (University of Alabama-Birmingham)

MOORE, BRIAN, Assistant Professor of Mathematics (2007), B.S., M.S., Ph.D. (University of Surrey, Guildford, UK)

MOORE, KIMBERLY, Assistant Professor of Music (1994), B.M.E., M.M. (University of Wisconsin)

MOORE, NANG, Lecturer Mechanical, Materials and Aerospace Engineering (2010), B.S., M.S., Ph.D. (North Carolina State University)

MORROSE, REBECCA, Assistant Professor of Anthropology (2008), M.D. (University of Connecticut)

MUCCIOLO, EDUARDO, Associate Professor of Physics and Secondary Joint Associate Professor of Electrical and Computer Engineering (2003), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

MULLIGHAN, RACHEL, Instructor of Mathematics (1999), B.A., M.A., Ph.D. (University of Pennsylvania)

MULLING, KIMBERLY, Instructor of Psychology (2006), B.A., M.A., Ph.D. (The Pennsylvania State University)

MURPHY, KEVIN, Assistant Professor of Hospitality Management (2000), B.S., M.S., Ph.D (Virginia Polytechnic University, C.E.C.)

MURPHY, PATRICK, Professor of English (2002), B.A., M.A., Ph.D. (University of California, Davis)

MURRAY, BARBARA A., Associate Professor of Education (1992), B.S., M.A., Ed.D., Ph.D. (Indiana State University)

MURRAY, KENNETH T., Associate Professor of Education (1991), B.S., M.S., J.D., Ph.D. (Indiana State University)

MURRAY, KIMBERLY, Instructor of Writing & Rhetoric (2004), B.A., M.A., Ph.D. (Miami University)

MUSAHANDI, SANDEEP, Visiting Instructor of Education (2007), B.S., MBA, Ph.D. (University of South Carolina)

MUSAIBRA, GEORGE, Assistant Professor of Communication (2005), B.A., M.A., Ph.D. (University of Buffalo)

MUSTAINE, ELIZABETH, Associate Professor of Sociology (1994), B.A., M.A., Ph.D. (Ohio State University)

MYERS, STEPHANIE M., Associate Professor of Criminal Justice (2001), B.A., M.A., Ph.D. (State University of New York at Albany)

NAIPAUL, SANDRA, Assistant Professor of Hospitality Management (2005), B.S., MBA, Ph.D. (The Ohio State University)

NALBONE, LISA, Assistant Professor of Spanish (1998), B.A., M.S., Ph.D. (Florida State University)

MOTTARELLA, KAREN, Lecturer of Psychology (1999), B.A., M.S., Psy. D. (Florida Institute of Technology)

MOURAD, MUSTAPHA, Professor of Psychology (1994), M.A., Ph.D. (Catholic University of America)

NAHED, ANG, Professor of Mathematics (1991), B.S., M.S., Ph.D. (University of New Mexico)
NAVAR, DANIEL, Visiting Instructor of Digital Media (2006), B.A., M.S., M.A. (University of Central Florida)

NUSAIR, HAKALDOON, A., Assistant Professor of Hospitality Management (2007), B.A., M.S. (Technoledge), M.S. (Management), Ph.D. (The Ohio State University)

NOTTA, JOYCE, Associate Professor of Education (2007), B.A., M.A., Ph.D. (University of South Florida)

NYE, CHAD, Professor of Communication Sciences and Disorders (1996), B.A., M.S., Ph.D. (University of California)

OD'NEILL, KRISTEN, Instructor of Communication (2007), B.A., M.A. (University of Texas)

OETJEN, DAWN M., Graduate Coordinator and Associate Professor of Health Services Administration (1999), B.S., R.R.A., C.P.H.Q., M.S., Ph.D. (University of Alabama at Birmingham)

OKUMUS, FEVZI, Chair, Department of Hospitality Services and Associate Professor of Hospitality Management (2005), B.S., M.S., Ph.D. (Oxford Brookes University)

OLIVER, KATHLEEN M., Associate Professor of English (2003), Ph.D. (University of South Florida)

OLOUFA, AMR A., Professor of Engineering (1999), B.S., M.S., Ph.D. (University of California, Berkeley), P.E. (California)

O'NEAL, THOMAS P., Associate V.P. for Research & Commercialization, and Associate Professor of Management (2007), B.S., M.S., M.B.A., Ph.D. (University of Central Florida)

ORLOVSKAYA, NINA, Assistant Professor of Engineering (2006), Ph.D. (National Academy of Science of Ukraine)

OROJU, ALL, Associate Professor School of Electrical Engineering and Computer Science (1985), B.S., M.S., Ph.D. (Ohio State University)

ORTIZ, S. ENRIQUE, Associate Professor of Education (1989), B.A., M.A., Ed.D. (Louisiana State University)

OSHEA, DEIRDRE, Instructor of History (2007), B.A., M.A. (University of Central Florida)

OSULLIVAN, PATRICK, Adjunct Professor (2005), M.S. (Florida Institute of Technology)


OWENS, JR., J. THOMAS, Research Associate Professor (2006), B.A., M.S., Ph.D. (Florida State University)

OZOGLU, HAKAN, Associate Professor of History (2007), B.A., M.A., Ph.D. (Ohio State University)

PABIAN, PATRICK, Instructor of Health Professions (2008), B.S., DPT (University of Physical Therapy)

PAFALAS, HEILI, Assistant Professor of Sociology (2009), B.A., M.A., Ph.D. (Stanford University)

PANTANO, WENDY, Visiting Instructor (2010), B.A., M.Ed. (University of Central Florida)

PAOLINE, EUGENE A., Assistant Professor of Criminal Justice (2001), B.S., M.A., M.S., Ph.D. (State University of New York at Albany)

PARK, HOON, Associate Professor of International Business (1989), B.A., M.A., Ph.D. (Georgia State University)

PARK, SHELLEY A., Associate Professor of Philosophy (1990), B.A., M.A., Ph.D. (Duke University)

PARKINSON, CHRISTOPHER L., Associate Professor of Biology (2000), B.S., M.S., Ph.D. (University of Louisville)

PARSA, H.G., Associate Professor of Hospitality Management (2007), Ph.D., M.S., M.Sc., B.S. (Virginia Polytechnic University)

PARSONS, CARLA, Externalship Coordinator and Instructor of Communication Sciences and Disorders (2002), B.S., M.S. (Southern Illinois University)

PATINO, PEDRO R., Lecturer of Communication Sciences and Disorders (2001), B.S., M.S., M.A., M.Sc., Ph.D. (Birla Institute of Science and Technology)

PAWLIS, GEORGE E., Professor of Education (1991), B.S., M.Ed., Ph.D. (University of South Carolina)

PAYE, ANDREW, Professor of Anatomy (2008), Ph.D. (Loyola University)

PEALE, ROBERT E., Professor of Psychology (1991), B.A., M.S., Ph.D. (Cornell University)

PELLI, MOSHE, Abe and Tess Wise Endowed Professor of Judaic Studies and Program Director, Judaic Studies Program (1985), B.S., Ph.D. (The Dropsie College)

PENNINGTON, ROBERT L., Director, Center for Economic Education and Associate Professor of Economics (1983), B.A., Ph.D. (Texas A&M University)

PENDSKY, MARIANNA Y., Professor of Mathematics (1995), B.Sc., M.Sc., Ph.D. (Moscow University)

PEPPER, RICHARD, Associate Dean, Faculty and Academic Affairs and Professor of Anatomy (2007), Ph.D. (University of Kansas)

PEREZ, MANUEL, Assistant Professor of Nanoscience Technology and Secondary Joint Assistant Professor of Chemistry (2005), B.S., M.S., Ph.D. (Boston University)

PEROTTE, GINO, Visiting Instructor of Communication (2010), B.S., M.A. (University of Central Florida)

PERRY, CHARLES, Visiting Professor of Theatre (2008), B.S., M.F.A. (University of Florida)

PETRAMACOST, JULIA, Associate Dean, Planning and Knowledge Management, College of Medicine (1993), Ph.D. (Case Western Reserve University)

PETERS, PHILIP, Associate Professor of Digital Media (2003), M.F.A. (University of Montana)

PHANSTIEL, OTTO, Professor of Medical Education (1965), Ph.D. (University of Florida)

PHERIGO, JOHNNY L., Professor of Music (2004), B.Mus., M.M., M.A. (University of Illinois)

PIAKSIC, JEANNE M., Assistant Librarian (1995), B.S., M.S. (Kent State University)

PIERCE, JR., CHARLES F., Executive in Residence, Health Services Administration (2002), B.A., M.G.A. (University of Pennsylvania)

PIKE, AUDREY, Associate General Counsel, College of Medicine (2010), J.D. (Florida State University, College of Law)

PINEDA, JOVANNA, Assistant Professor of History (2010), B.A., M.A., Ph.D. (University of California - Los Angeles)

PIZAM, ABRAHAM, Dean Rosen College of Hospitality Management, Linda Chapin Emeritus Scholar Chair in Tourism Management, Professor of Hospitality Management and Secondary Joint Professor of Medicine (1983), B.A., M.P.A., Ph.D. (Cornell University)

PLATT, JENNIFER C., Executive Associate Dean and Professor of Education (1985), B.S., M.S., Ed.D. (West Virginia University)

POINDEXTER, CARLA, Associate Professor of Art (2000), B.F.A., M.F.A. (Texas Tech University, Lubbock)

POLLOCK, PHILIP H., Professor of Political Science (1982), B.A., Ph.D. (University of Minnesota)

POMERLEAU, JULIE, Instructor of Spanish (2003), B.A., M.S. (University of Barcelona, Spain)

PONS, IRENE, Instructor of Legal Studies (2007), B.A., J.D. (Nova Southeastern University)

POOLE, MAX C., Associate Dean, Graduate College and Associate Professor of Health Sciences (2005), B.S., Ph.D. (Medical College of Georgia)

POTTER, ROBERT, Instructor of Economics (2001), B.S., B.A., M.A.A.E. (University of Central Florida)

POTTER, THOMAS, Associate Professor of Music (2005), B.S., M.M. (Indiana University)
ROSA-LUGO, LINDA I., Associate Professor of Communication Sciences and Disorders (1995), B.S., M.S., M.Ed., Ed.D. (Teacher's College, Columbia University)

ROSS, DAVID, Gray, Executive in Residence and Instructor of Criminal Justice and Legal Studies (2006), B.S., J.D. (The American University)

ROSS, LEE E., Associate Professor of Criminal Justice (2003), B.A., M.A., Ph.D. (Rutgers University)

ROSS, MARY JO, Assistant Professor of Hospitality Management (2004), B.S., M.A., Ph.D. (University of Central Florida, C.S.E.P., C.P.C.E)

ROTARIU, TIMOTHY M., Associate Professor of Health Services Administration (1996), B.B.A., M.B.A., Ph.D. (Texas Tech University)

ROTHENBERG, MICHAEL, Instructor of Social Work (2006), B.S.W. (Adelphi University)

ROTOLO, JOHN, Research Associate, FIA (2005), B.S., M.B.A. (University of Phoenix)

ROUSH, PAMELA B., Associate Professor of Accounting (1998), B.A., M.B.A., Ph.D. (Georgia State University)

ROUDY, BARI, Assistant Professor of Communication Sciences and Disorders (2001), B.A., M.A., Ph.D. (University of Florida)

RULAND, JUDITH, P., Associate Professor, College of Nursing (2002), C.N.E., M.S.N., Ph.D. (State University of New York, Albany)

RUPERT, JEFFREY, Professor of Music (1965), B.M., M.M. (Rutgers University)

RUSHIN, PATRICK J., Associate Professor of English (1983), M.A. (Johns Hopkins University)

RUSNOCK, JOSEPH S., Associate Professor of Theatre (1985), B.A., M.F.A. (University of Minnesota)

RUSSELL, WILLIAM, Assistant Professor of Education (2007), B.A., M.Ed., Ph.D. (Florida State University)

RUSSO, CHARLES W., Instructor of Criminal Justice (2003), B.A., M.A., M.S., Ph.D. (University of Central Florida)


SACHER, JOHN, Associate Professor of History and Associate Chair (2006), B.A., M.A., Ph.D. (Louisiana State University)

SADRI, HOUMAN A., Associate Professor of Political Science (1995), B.A., M.A., Ph.D. (University of Virginia)

SAFRANEK, WILLIAM, Assistant Professor (2005), Ph.D. (Temple University of Medicine)

SAHAI, BHARIPADA, Professor of Physics (1987), B.S., Ph.D. (University of Calcutta)

SALAS, EDUARDO, Professor of Psychology and Trustee Chair and Secondary Joint Professor of Medical Education (1996), B.A., M.S., Ph.D. (Old Dominion University)

SALISBURY, BRIAN, Research Associate (2005), B.A., M.F.A. (University of Central Florida)

SALTER, MITCHELL, Instructor of Athletic Training (2004), M.A. (University of Central Florida)

SAMSAM, MOHTASHEM, Assistant Professor (2004), Ph.D. (Neurology University Clinic)

SANBORN, JOSEPH B., Coordinator Graduate Studies, Associate Professor of Criminal Justice (1994), B.A., M.A., Ph.D. (State University of New York at Albany)

SANDLER, BARRY, Associate Professor of Film (2003), M.F.A (UCLA)

SANTANA, MARIA C., Associate Professor of Digital Media (1995), Ph.D. (University of Miami)

SANTRA, SWADESHMUKUL, Assistant Professor of Nanoscience Technology and Joint Assistant Professor of Chemistry (2008), B.S., M.S., Ph.D. (Indian Institute of Technology, Kanpur, India)

SAPER, CRAIG J., Professor of English (2002), B.A., M.A., Ph.D. (University of Florida)

SAUNDERS, CAROL S., Professor of Management (2001), B.A., M.B.A., Ph.D. (University of Houston)

SAUNDERS, STEVEN, Lecturer in Psychology, Professor of Psychology (2007), Psy.D. (Illinois School of Professional Psychology)

SCHACK-DUGRE, JUDI, Visiting Instructor of Physical Therapy (2006), B.S.P.T., M.B.A., D.P.T. (University of St. Augustine for Health Sciences)

SCHAFER, MARGARET K., Associate Director for Public Services (1984), B.A., M.L.S., M.B.A. (University of Central Florida)

SCHLARACH, TABATHA, Assistant Professor of Education (2005), B.S., M.Ed., Ph.D. (University of Florida)

SCHEFFER, ELADIO, Associate Professor of Music (1999), D.M.A. (Eastman School of Music)

SCELL, JOHN F., Vice Provost for Academic Affairs, and Professor of English (1987), B.A., M.A., Ph.D. (Vanderbilt University)

SCHELLHASE, KRISTEN, Program Director/Instructor of Athletic Training (2004), M.Ed. (University of Virginia)

SCHENK, PATRICK K., Associate Professor of Physics and Secondary Joint Assistant Professor; Mechanical, Materials, and Aerospace Engineering (2003), Ph.D. (University of Minnesota)

SCHIPPERT, CLAUDIA, Associate Professor of Humanities and Religion (2001), B.A., M.A., Ph.D. (Temple University)

SCHLOW, STEPHEN, Film Department Chair and Lecturer of Film (2000), B.S. (Boston University)

SCHMINKE, MARSHALL, Professor of Management (1999), B.S., M.S., Ph.D. (Carnegie Mellon University)

SCHMITZ, DONNA B., Associate Professor of Accounting (1997), B.B.A., Ph. D. (University of Florida)

SCHNITZLEIN, CHARLES R., Associate Professor of Finance (2002), B.S., M.S., Ph.D. (University of Arizona)

SCHOFER, CONSTANCE, Professor of Mathematics (2002), B.S., M.S., Ph.D. (University of Arizona)

SCHIPPER, STEVEN, Instructor of Optics (2004), B.S. Ph.D. (University of California)

SCHOTT, JAMES R., Professor of Statistics (1982), B.S., M.S., Ph.D. (University of Florida)

SCHOTT, SUSAN C., Instructor of Statistics (1982), B.S., M.S. (University of Florida)

SCHREIBER, JEANETTE, Associate Dean, Special Projects and Chief Legal Officer, College of Medicine (2008), M.S.W., J.D. (Harvard Law School)

SCHULTE, ALFONS, PhD. of Physics (1990), Diploma in Physics, Dr. rer. nat. (Technische Universitat Munich)

SCHULTZ, JOHN J., Associate Professor of Anthropology and Undergraduate Coordinator (2003), B.A., M.A., Ph.D. (University of Florida)

SCHUMACHER, PAUL, Assistant Professor of Surgery (2008), M.D. (University of Miami)


SCHWARTZ, JAMIE, Assistant Professor of Communication Sciences and Disorders (1997), A.A., B.A., M.A., Ph.D. (University of Florida)

SCHEWZER, DAVID, Instructor/Coordinator of Mathematics (2009), B.S., Ph.D. (Lehigh University)

SCOTT, BERT, Associate Professor (1993), M.F.A. (University of North Carolina, Greensboro)

SEIDEL, KATHRYN L., Professor of English (1986), B.A., M.A., Ph.D. (University of Maryland)

SELF, WILLIAM, Associate Professor (2003), Ph. D. (University of Florida)

SEMONICK, MEREDITH C., Associate Librarian (1995), B.A., M.L.S. (University of Maryland)

SEPUTLVEDA, JOSE A., Associate Professor of Engineering (1998), B.S.Ch.E., M.S.I.E., M.P.H., Ph.D. (University of California, B.E. (Florida)

SEVERT, DENVER, Associate Professor of Hospitality Management (2003), B.B.A., MBA, Ph.D. (Virginia Polytechnic University)

SEVERT, KIMBERLY, Assistant Professor of Hospitality Management (2006), B.S., M.S., Ph.D. (Oklahoma State University)

SHAFA, JOHN, Associate Professor of Theatre (2002), B.F.A., M.F.A. (University of Louisville)

SHAH, MUBARAK A., Professor of Electrical Engineering and Computer Science, and Joint Secondary Professor of Mathematics (1986), B.E., M.S. (Wayne State University)

SHAIKH, SAAD, Associate Professor of Ophthalmology (2009), M.D. (University of California)

SHEEHY, RYAN, Instructor of Communication (2006), B.A., M.A. (Rollins College)

SHEN, Z. JOHN, Associate Professor of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (Rensselaer Polytechnic Institute)

SHIVAMOGGI, BHIMSEN, Professor of Mathematics (2006), B.S., M.S., Ph.D. (University of Colorado)

SHORT, EDMUND, Associate Graduate Faculty of Education (1999), B.S., M.Ed., Ed.D. (Teachers College, Columbia University)

SHRAUGER, KRISTINE J., Head, Interlibrary Loan/Document Delivery and Assistant Librarian (2004), B.S., M.L.I.S. (University of Wisconsin)

SHUMAKER, RANDALL P., Director, Institute for Simulation & Training and Professor of Engineering (2002), Ph.D. (University of Pennsylvania)

SIDDIQI, SHADAB, Assistant Professor (2009), Ph.D. (Lucknow University)

SIEGFRIED, JUDI, Lecturer (2005), B.S.F.A., M.F.A. (Texas Christian University)

SIGMAN, MICHAEL, Associate Professor of Chemistry (2002), B.S., Ph.D. (Florida State University)

SILKOWSKA-SIMMONS, ELIZBIETA, Associate Professor of Sociology (2002), M.A., Ph.D. (University of Maryland)
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGLA, DINENDER</td>
<td>Associate Professor of Psychology (1998), B.A., M.S., Ph.D. (University of California Santa Barbara)</td>
</tr>
<tr>
<td>SINGLIER, PETER T.</td>
<td>Instructor of Anthropology (2006), B.S., M.A., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>SINGLA, DINENDER</td>
<td>Associate Professor, (2009), Ph.D. (Postgraduate Institute of Medical Education and Research)</td>
</tr>
<tr>
<td>SIVO, STEPHEN A.</td>
<td>Associate Professor of Education (2000), B.A., M.A., Ph.D. (Franciscan University of Steubenville)</td>
</tr>
<tr>
<td>SKRIPKA, ANNA</td>
<td>Assistant Professor of Mathematics (2010), Ph.D. (University of Missouri)</td>
</tr>
<tr>
<td>SLAUGHTER, DAVID B.</td>
<td>Legal Studies Program Director, Assistant Professor of Legal Studies (1978), B.A., J.D. (Florida State University)</td>
</tr>
<tr>
<td>SMITH, DONALD</td>
<td>Assistant Professor of Military Science (2008), B.S.</td>
</tr>
<tr>
<td>SMITH, EILEEN</td>
<td>Research Associate, Digital Media (2007), M.A. (University of Louisville)</td>
</tr>
<tr>
<td>SMITH, GERALD</td>
<td>Director/Associate Professor of Physical Therapy (2004), Ph.D. (Medical College of Virginia, Virginia Commonwealth University)</td>
</tr>
<tr>
<td>SMITH, RONALD F.</td>
<td>Professor School of Electrical Engineering and Computer Science (2004), B.S., M.Ed. (University of Central Florida)</td>
</tr>
<tr>
<td>SMITH, STEPHEN A.</td>
<td>Associate Professor of Education (1997), B.S., M.A., Ph.D. (Florida State University)</td>
</tr>
<tr>
<td>SMITH, DONALD</td>
<td>Assistant Professor of Physics (2000), B.S., M.S., Ph.D. (University of Central Florida)</td>
</tr>
<tr>
<td>SMITH, Thomas F.</td>
<td>Associate Professor of Communication (1986), B.A., B.S., M.A. (Ball State University)</td>
</tr>
<tr>
<td>SMITH, TYLER</td>
<td>Technical Director (2010), M.F.A. (University of Illinois)</td>
</tr>
<tr>
<td>SMITHER, JANAN A.</td>
<td>Associate Professor of Psychology (1990), B.S., M.A., Ph.D. (Johns Hopkins University)</td>
</tr>
<tr>
<td>SOHN, YONG-HO</td>
<td>Associate Professor of Engineering (2001), Ph.D. (Purdue University)</td>
</tr>
<tr>
<td>SOLE, MARY LOU</td>
<td>Professor, College of Nursing (1987), F.A.A.N., M.S.N., Ph.D. (University of Texas at Austin)</td>
</tr>
<tr>
<td>SOLOKARIN, VLADIMIR</td>
<td>Associate Professor of History (2003), B.A., Ph.D. (Moscow State University)</td>
</tr>
<tr>
<td>SONG, HOJUN</td>
<td>Assistant Professor of Biology (2006), Ph.D. (Ohio State University)</td>
</tr>
<tr>
<td>SONG, ZIXIA</td>
<td>Assistant Professor of Mathematics (2005), B.S., M.S., Ph.D. (Georgia Institute of Technology)</td>
</tr>
<tr>
<td>SOODER, KARL M.</td>
<td>Instructor of Marketing (2001), B.A., M.B.A. (Columbia University)</td>
</tr>
<tr>
<td>SOSKIN, MARK D.</td>
<td>Associate Professor of Economics, Daytona Campus (1998), B.A., M.A., Ph.D. (Pennsylvania State University)</td>
</tr>
<tr>
<td>SOTERO-ESTEVA, WALTER D.</td>
<td>Instructor of Biology (2001), B.S., Ph.D. (Indiana University)</td>
</tr>
<tr>
<td>SPOKALING, LEE-ANNE</td>
<td>Visiting Instructor of Education (2004), B.S., M.Ed. (University of Central Florida)</td>
</tr>
<tr>
<td>SPENCER, STEVEN C.</td>
<td>Instructor of Art (2003), B.S., M.F.A. (Louisiana State University)</td>
</tr>
<tr>
<td>SPINA, GRAZIA</td>
<td>Instructor of Italian (2000), B.A., M.A. (University of Genoa, Italy)</td>
</tr>
<tr>
<td>SPSER-DURAN, PETER</td>
<td>Associate Professor of Electrical Engineering (1996), B.A., M.A.L.I.S. (University of South Florida)</td>
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<tr>
<td>ST.CLAIRE, SYBIL</td>
<td>Lecturer (2005), B.A., M.A. (Antioch University)</td>
</tr>
<tr>
<td>STACK, ALLISON</td>
<td>Visiting Instructor of Writing &amp; Rhetoric (1999), B.A., M.A. (University of Florida)</td>
</tr>
<tr>
<td>STANLEY, KENNETH</td>
<td>Assistant Professor School of Electrical Engineering and Computer Science (2005), B.A., M.S., Ph.D. (Carnegie Mellon University)</td>
</tr>
<tr>
<td>SURETTE, RAYMOND B.</td>
<td>Professor of Music (2005), B.M., M.M., D.M.A. (University of North Texas)</td>
</tr>
<tr>
<td>SWEENEY, ALDRIN</td>
<td>Associate Professor of Education (1997), Ph.D. (Florida State University)</td>
</tr>
<tr>
<td>SWEG, ROBERT E.</td>
<td>Lecturer of International Business (2006), B.A., M.A., Ph.D. (University of North Texas)</td>
</tr>
<tr>
<td>SYPTOL, TERRIE K.</td>
<td>Associate Librarian (2001), B.A., M.L.S. (University of Pittsburgh)</td>
</tr>
<tr>
<td>SZALMA, JAMES</td>
<td>Assistant Professor of Psychology (2006), B.S., M.A., Ph.D. (University of Cincinnati)</td>
</tr>
<tr>
<td>SZENTE, JUDIT</td>
<td>Instructor of Education (2005), B.A., M.Ed., Ph.D. (University of Buffalo)</td>
</tr>
<tr>
<td>SZYMSKAN, ROBERT J.</td>
<td>Instructor of Management Information Systems (2002), B.S., M.B.A (Boston College)</td>
</tr>
<tr>
<td>TALBERT, STEVEN</td>
<td>Associate Professor, College of Nursing (2007), B.S., M.S.N., Ph.D. (University of Kentucky)</td>
</tr>
<tr>
<td>TAMSAN, ALEXANDRU</td>
<td>Associate Professor of Mathematics (2005), B.S., M.S., Ph.D. (University of Washington)</td>
</tr>
<tr>
<td>TANG, YAJIANG</td>
<td>Lecturer Mechanical, Materials and Aerospace Engineering (2010), B.S., M.S., Ph.D. (Tulane University)</td>
</tr>
<tr>
<td>TAPPEN, MARSHALL</td>
<td>Assistant Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)</td>
</tr>
<tr>
<td>TARTT, KACIE</td>
<td>Instructor of Spanish (2007), B.A., M.A. (Florida State University)</td>
</tr>
<tr>
<td>TAUB, GORDON</td>
<td>Associate Professor of Education (1999), B.A., M.Ed., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>TAYLOR, ROSEMARY</td>
<td>Associate Professor of Education (2000), B.A., M.Ed., Ed.D. (Georgia State University)</td>
</tr>
<tr>
<td>TERRY, MICHAEL</td>
<td>Instructor of Hospitality Management (2005), B.S., M.B.A (Southern Illinois University)</td>
</tr>
<tr>
<td>THOMAS, PAMELA S.</td>
<td>Professor of Hospitality Management (2001), B.S., M.S., M.A., Ph.D. (Nova Southeastern University)</td>
</tr>
<tr>
<td>TETER, KENNETH</td>
<td>Assistant Professor of Molecular Biology and Microbiology (2003), Ph.D. (University of California)</td>
</tr>
<tr>
<td>THAXTON, TERRY A.</td>
<td>Assistant Professor of English (2002), B.A., M.A., M.F.A. (Vermont College)</td>
</tr>
<tr>
<td>THEEN, TERRELL</td>
<td>Instructor of Digital Media (2006), M.S. (Indiana University)</td>
</tr>
<tr>
<td>THOMAS, PAMELA S.</td>
<td>Instructor of Biology (2000), B.S., M.S. (University of Central Florida)</td>
</tr>
</tbody>
</table>
THOMPSON, ANTHONY, Director of Development (2006), B.A., M.A., Ed.D. (Florida State University)


THOMPSON, GREGORY, Assistant Professor of Spanish (2005), B.A., M.A., Ph.D. (University of Arizona)

THOMPSON, WILLIAM J., Undergraduate Coordinator, Associate Professor of Engineering (1995), B.S., M.S., Ph.D. (Arizona State University)

THORNTON, ROBERT, Instructor of Music (2002), M.M. (Indiana University)

TINSLEY, MAUREEN, Visiting Instructor of Education (2006), B.S., M.Ed. (University of Central Florida)

TOCCO, SUSAN, Courtesy Instructor of Nursing (2009), AA, BA MS (University of Central Florida)

TODD, ANDREW D., Assistant Librarian (2004), B.S.N., M.A.L.I.S. (University of South Florida)

TOLLEFSON, KRISTINA, Associate Professor of Theatre (2000), B.A., M.F.A. (Purdue University)

TONG, MIN, Instructor Librarian (2008), B.A., M.L.I.S. (University of British Columbia)

TOLLNER, BRIAN P., Professor of Physics (1999), B.S., M.Sc., Ph.D. (University of Pennsylvania)

TOVBI, ALEXANDER, Professor of Mathematics (1996), M.S., Ph.D. (University of Voronezh)

TOYNE, J. MARLA, Assistant Professor of Anthropology (2011), B.A., M.A., Ph.D. (Tulane University)

TRINQUET, CHARLOTTE, Assistant Professor of French (2007), M.A., Ph.D. (University of North Carolina, Chapel Hill)

TRIPP, MARY, Instructor of Writing & Rhetoric (2000), B.A., M.A. (Rollins College)

TROMPETER, GREGORY M., Chairholder, C.G. Avery Professorship, Professor of Accounting (2008), B.S., M.B.A., Ph.D.

TROUARD, DAWN, Professor of English (1997), B.A., M.A., Ph.D. (Rice University)

TURCU, ANCA, Lecturer of Political Science (2009), B.A., M.A., Ph.D. (University of Texas - Dallas)

TURGUT, DAMLA, Associate Professor Department of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D (University of Texas at Arlington)

TURKSON, JAMES, Associate Professor (2005), Ph.D. (University of Alberta)

TZABBAR, DANIEL, Assistant Professor of Management (2005), B.A., M.A., Ph.D. (University of Toronto)

UDIN, NIZAM, Professor of Statistics (2001), B.Sc., M.Sc., Ph.D. (Old Dominion University)

UNDERBERG, NATALIE, Associate Professor of Digital Media (2004), B.A., M.A., Ph.D. (Indiana University)

UNDERWOOD, NORA, Instructor of Economics (2003), B.A., Ph.D. (University of California, Davis)

UNRUH, LYNN Y., Associate Professor of Health Services Administration (2000), R.N., B.S.N., M.A., Ph.D. (University of Notre Dame)

UTT, HAROLD A., JR, Assistant Professor of Communication Sciences and Disorders (1981), B.S., M.S., Ph.D. (Florida State University)

UTTICH, LAURIE, Instructor of Writing & Rhetoric (2009), B.S., M.F.A. (University of Central Florida)

VADAKEPATT, GAUTHAM, Assistant Professor of Marketing (2010), B.Tech., M.E., M.S., Ph.D. (Texas A&M University)

VAIDYANATHAN, RAJAN, Associate Professor of Engineering (2001), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

VAJRAVELU, KUPPALAPALLE, Professor of Mathematics and Mechanical and Aerospace Engineering (1984), B.A., M.S., Ph.D. (Indian Institute of Technology)

VAJRAVELU, RANI, Instructor of Biology (1999), B.S., M.S., Ph.D. (University of Madras)

VALDES, ANNA, Instructor of Education (2006), B.S., M.A. (University of Central Florida)

VAN DEMARK, CHERYL, Visiting Instructor (2010), B.A., M.S., Ed.D. (University of Central Florida)


VAN STRYLAND, ERIC W., Dean and Director, Professor of Optics & EECS (1987), B.S., Ph.D. (University of Arizona)

VANRYCKEGHEM, MARTINE, Professor of Computer Science (1994), B.S., M.S., Ph.D. (Southern Illinois University)

VASQUEZ, ELEAZAR, Assistant Professor (2009), B.S., M.A., Ph.D. (University of Texas)

VEIT, MARCIA R., Instructor of Accounting (1979), B.A., M.B.A. (University of Arkansas)

VELEZ-SOTO, HILAURE, Visiting Instructor of Spanish (2010), B.A., M.A. (University of Central Florida)

VELISSARIS, CHRISTOS, Lecturer of Physics (2006), M.S., Ph.D. (University of Rochester)

VENECEK, JOHN T., Reference Services and Instructor Librarian (2008), B.A., M.A., M.S.L.I.S. (University of Illinois)

VERDUIN, MARCY, Assistant Dean for Students and Associate Professor of Psychiatry (2007), M.D. (University of Florida)

VERDI, NICOLE, Instructor (2009), M.S. (University of Central Florida)

VERKLER, KAREN W., Associate Professor of Education (1995), B.A., M.Ed., Ph.D. (University of Florida)

VEST, JENNIFER L., Assistant Professor of Philosophy and Humanities (2005), B.A., M.A., Ph.D. (University of California, Berkeley)

VIGGIANO, CHARLES A., Instructor of Management (2001), B.S., M.B.A. (University of Central Florida)

VILLANUEVA-GHELFA, CELESTINO A., Associate Professor of Spanish (1999), B.A., M.A., Ph.D. (The Florida International University)

VITANOVA, GERGANA, Assistant Professor of TESOL (2003), B.A., M.A., Ph.D. (University of Cincinnati)

VON KALM, LAURENCE H., Associate Professor of Biology (1996), B.S., Ph.D. (Monash University, Australia)

VonHOLLE, MARY B., Assistant Professor of Biology (2007), B.S., Ph.D. (University of Tennessee at Knoxville)

VOSS, KIMBERLY W., Assistant Professor of Communication (2008), B.A., M.A., Ph.D. (University of Maryland)

WAGNER, ROBERT, Instructor of Physical Therapy (2003), M.S.P.T., D.P.T. (Temple University)

WAHID, PARVEEN F., Professor Department of Electrical Engineering and Computer Science (1984), B.S., M.S., Ph.D. (Indian Institute of Science, Bangalore)

WALKER, EZEKIEL A., Associate Professor of History (1998), B.A., M.A., Ph.D. (Michigan State University)

WALKER, JOHN H., Assistant Professor of Anthropology (2006), B.A., Ph.D. (University of Pennsylvania)

WALLACE, DAVID L., Professor of Writing & Rhetoric (2002), B.A., M.A., Ph.D. (Carnegie Mellon University)

WALSH, ANTHONY, Clinical Faculty, Medical Laboratory Sciences (1991), Ph.D. (University of Florida)

WALTERS, CYNTHIA, Instructor of Education (2007), B.S., M.Ed. (Aquinas College)

WALTERS, LARRY, Clinical Professor and Director of Graduate Internships, Health Services Administration (2005), M.H.A. (Duke University)

WALTERS, LINDA J., Professor of Biology (1996), B.S., M.S., Ph.D. (University of South Carolina)

WALTERS, LORI, Instructor (2003), B.A., M.A., Ph.D. (Florida State University)

WATSON, DEEDRA, Electronic Resources Librarian, College of Medicine (2009), M.L.S. (Texas Woman’s University)

WEAVER, WILLIAM, Associate Professor of Writing & Rhetoric (2008), B.A., M.A., Ph.D. (University of Kentucky)

WEAVER, EARL D., Associate Professor of Theatre (2008), B.A., M.A., Ph.D. (University of Connecticut)

WEAVER, DEBORAH, Instructor of Writing & Rhetoric (2004), B.A., M.A. (University of Central Florida)

WEAVER, EARL D., Associate Professor of Theatre (2003), M.F.A. (University of California, Irvine)

WEAR, JON, Assistant Professor of Digital Media (2005), B.A., M.F.A. (Carnegie Mellon University)

WELLER, WILLIAM C., Associate Professor of Real Estate (2010), B.A., M.B.A., Ph.D. (Georgia State University)

WELLER, WILLIAM C., Associate Professor of Real Estate (2010), B.A., M.B.A., Ph.D. (Georgia State University)
UCF Faculty

WEEKS, ARTHUR, Associate Professor Department of Electrical Engineering and Computer Science (2003), B.S., M.S., Ph.D. (University of Central Florida)

WEGER, HARRY, Graduate Coordinator and Associate Professor of Communication (2005), B.A., M.A., Ph.D. (University of Arizona)

WEGMANN, SUSAN, Associate Professor of Education (2005), B.A., M.A. Ph.D. (University of Florida)

WEI, L., Associate Professor Department of Electrical Engineering and Computer Science (2001), B.S., M.S., Ph.D. (University of South Australia)

WEIGEL, GREGORY, Instructor (2006), M.S. (University of Central Florida)

WEINSTEIN, PATRICIA, Assistant Professor, College of Nursing (2009), M.S.N., Ph.D. (University of Central Florida)

WEI, L., Associate Professor of Education (2005), B.A., M.A. Ph.D. (University of Central Florida)

WELCH, JUDITH K., Associate Professor of Accounting (1988), B.A., M.B.A., Ph.D. (Florida State University)

WELKER, PATRICIA E., Instructor of Health Sciences (Radiologic Sciences) (1986), A.S., B.S., M.A. (Idaho State University)

WERMCHUK, GEORGE, Associate Professor of Music (1998), D.M.A. (University of Miami)

WEST, LAWRENCE, Assistant Professor of Management (1996), B.A., M.B.A., Ph.D. (Texas A&M University)

WHITE, ROSEANN S., Associate Director of Burnett School of Biomedical Sciences, Professor Emeritus (1969), Ph.D. (University of Texas S.W. Medical School)

WHITE, VIBERT L., Professor of Burnett School of Biomedical Sciences, Associate Professor Department of Electrical Engineering and Computer Science (1976), R.R.T., B.S., M.P.H. (University of Pennsylvania)

WHITE, YUN, HAE-BUM, Professor of Electrical Engineering (2001), B.S., M.S., Ph.D. (University of Wisconsin)

WHITTEN, SHANNON, N., Instructor of Theatre (2003), B.A., M.F.A. (University of Kansas)

WHYTE, ANN MARIE, Associate Professor of Finance (1998), B.B.A., M.B.A., Ph.D. (Florida Atlantic University)

WIEK, CHERYL, Instructor of Education (1999), B.A., M.A. (University of Northern Colorado)

WIEKE, WILFRED, Professor of Education (1984), B.S., M.S., Ed.D. (University of Northern Colorado)

WILFORD, BUCKLEY, Senior Training NCO (2010)

WILLAMS, LAURA, Courtesy Instructor of Nursing (2009), AA, BSN, MSN (University of Central Florida)

WILLIAMS, KARRI J. FJELDHEIM, Associate Professor of Education (2004), B.S., M.Ed., Ph.D. (University of Arizona)

WILLIAMS, KENT E., Associate Professor of Engineering (1998), B.A., M.A., Ph.D. (University of Connecticut)

WILSON, BRUCE M., Professor of Political Science (1998), B.A., M.A., Ph.D. (Washington University, St. Louis)

WILSON, NANCY, Assistant Professor of Education (2005), B.S., M.Ed. (University of Illinois at Chicago)

WINK, DIANE M., Professor, College of Nursing (1997), A.R.N.P., Ed.D. (University of Central Florida)

WINTON, MARK A., Instructor of Criminal Justice (2001), B.A., M.A. (Florida State University)

WISE, WILLIAM, Associate Faculty of Education (1998), B.A., M.Ed., Ed.S., Ph.D. (University of Florida)

WITTA, ELEANOR L., Associate Professor of Education (1999), A.B., MEDCI, Ph.D. (Virginia Polytechnic Institute)

WOJCJAN, PAWEL, Professor School of Electrical Engineering and Computer Science (2008), B.S., M.S., Ph.D. (University of Central Florida)

WOJCJAN, ZAHAR, Associate Professor of Electrical Engineering and Computer Science (2008), B.S., M.S., Ph.D. (University of Southern California)

WOJTYLA, MARIA, Associate Professor of Physics (2008), B.S., M.S., Ph.D. (University of California, San Diego)

WORTH, JAMES D., Provost Distinguished Research Professor and Professor of Biology (2001), B.S., M.S., Ph.D. (University of Guelph, Canada)

WRIGHT, J. LANDELL, Assistant Professor Department of Electrical Engineering and Computer Science (2001), B.A., M.S., Ph.D. (University of Wisconsin)

WU, ANNIE S., Associate Professor School of Electrical Engineering and Computer Science (1999), B.S.E., M.S.E., Ph.D. (University of Michigan)

WU, SHIN-TSON, PROFESSOR OF OPTICS & ECE (2004), Ph.D. (University of Southern California)

WU, THOMAS X., Professor Department of Electrical Engineering and Computer Science (1999), B.S., M.S., Ph.D. (University of Pennsylvania)

WU, XIAODAN, Assistant Professor of Economics (2001), B.A., M.A., Ph.D. (University of Kentucky)

XU, CHENGYING, Assistant Professor of Engineering (2007), Ph.D. (Purdue University)

XU, LIN, Instructor/Coordinator (2010), B.A., M.A., Ph.D. (University of Michigan)

XU, YUNJUN, Assistant Professor of Engineering (2008), Ph.D. (University of Florida)

YEO, JINDONG, Assistant Professor of Chemistry (2008), B.S., Ph.D. (University of Chicago)

YONETANI, AYAKO, Professor of Music (1993), B.M., M.M., D.M.A. (Juilliard School of Music)

YOUNG, BETH RAPP, Associate Professor of English (1996), B.A., M.A., Ph.D. (University of California, Los Angeles)

YOUNG, KURT, Assistant Professor of Political Science and African American Studies (2004), B.A., M.A., Ph.D. (Clarks Atlanta University)

YOUNG, MARK, Professor of Education (1999), B.A., M.S., Ph.D. (Miami University)

YUAN, JINN S., Professor Department of Electrical Engineering and Computer Science (1989), B.S.E., M.S.E., Ph.D. (University of Florida)

YUN, HAE-BUM, Assistant Professor of Engineering (2010), B.S., M.S., Ph.D. (University of Southern California, Los Angeles)

ZAHO, MARGARET, Assistant Professor of Art (2005), B.A., M.A., Ph.D. (University of Washington)

ZAJAC, JANET, Instructor of Education (2000), B.S., M.S. (Buffalo State College)

ZELDOVICH, BORIS, Professor of Optics (1994), B.Sc., M.Sc., D.Sc. (Lebedev Physics Institute)

ZENGH, CHANG, Distinguished Professor of Physics (2009), B.E., MS, PhD (Chinese Academy of Sciences)

ZERVOS, TONY, Professor (1999), Ph.D. (University of London)

ZHAO, YUE, Professor of Mathematics (1999), B.A., M.A., Ph.D. (University of Southern California)

ZHANG, HONG, Associate Professor of History (1996), B.A., M.A., Ph.D. (University of Arizona)

ZHANG, RUIJIE, Assistant Professor of Electrical Engineering (2010), B.S., M.S., Ph.D. (Pennsylvania State University)

ZHANG, NING, Assistant Professor of Health Services Administration (2003), Ph.D., M.S. (Virginia Commonwealth University/Medical College of Virginia, Shandong Medical University)

ZHANG, SHAOJIE, Assistant Professor of Electrical Engineering and Computer Science (2008), B.S., B.S., Ph.D. (University of California, San Diego)

ZHANG, YANG, Associate Librarian (1996), B.A., M.A.L.I.S. (University of South Florida)

ZHANG, YAO, Professor of Mathematics (1996), B.S., M.S., PhD. (Ohio State University)

ZHUMDYSKY, OLEKSANDR, Lecturer of Physics (2005), M.S., Ph.D. (Kiev State University, Ukraine)

ZHOU, HUIYANG, Professor School of Electrical Engineering and Computer Science (2003), B.S., M.S., Ph.D. (North Carolina State University)

ZHU, JICHEN, Assistant Professor of Digital Media (2009), Ph.D. (Georgia Institute of Technology)

ZINCHENKO, MAXIM, Assistant Professor of Mathematics (2010), Ph.D. (University of Missouri)

ZOU, CLIFF, Assistant Professor School of Electrical Engineering and Computer Science (2005), B.S., M.S., Ph.D. (University of Massachusetts)
ZOU, SHENGLI, Assistant Professor of Chemistry (2006), B.A., M.S., Ph.D. (Emory University) 
ZYGOURIS-COE, VICKY, Associate Professor of Education (1999), B.S., M.A. Ed.D. (University of London) 

FACULTY AND ADMINISTRATION EMERITI 

ABBOTT, DAVID W., Professor Emeritus of Psychology (1968), B.A., M.S., Ph.D. (University of Massachusetts) 
ADICKS, RICHARD R., Professor Emeritus of Psychology (1968), B.A.E., M.A., Ph.D. (Tulane University) 
ANDERSON, HENRY, R., Emeritus of Education (1968), B.A., M.A., Ph.D. (University of Maryland) 
ANDREWS, LARRY C., Emeritus of Psychology (1983), B.A., M.S., Ph.D. (University of Wisconsin) 
ANDREWS, ROBERT L., Emeritus of Industrial Engineering and Management Systems (1991), B.S., M.S., Ph.D. (George Washington University) 
ARMSTRONG, LEE H., Emeritus of Chemistry (1968), B.A., M.S., Ph.D. (Florida State University) 
BANDY, DALTON D., Emeritus of Chemistry (1968), B.A., M.S., Ph.D. (Montana State University) 
BERGER, JOHN R., Emeritus for Administration and Finance (1968), B.A., M.A., M.S., Ph.D. (University of Iowa) 
BOSE, SUBIR K., Emeritus of Physiology (1987), B.Sc., M.Sc., Ph.D. (University of Allahabad) 
BRENNAN, JOHN J., Emeritus of Physics (1968), B.S., M.S., Ph.D. (Georgia Institute of Technology) 
BURROUGHS, WAYNE A., Emeritus of Psychology (1969), B.A., M.A., Ph.D. (University of Tennessee) 
CALLARMA, WILLIAM G., Emeritus of Management (1972), B.B.A., M.B.A., Ph.D. (Arizona State University) 
CARROLL, WILLIAM F., Emeritus of Engineering (1985), B.S., M.S., Ph.D. (University of Illinois) 
COBBOURN, TREVOR, Emeritus, Professor of History, and Special Assistant to the UCF Foundation Chief Executive Officer (1978), B.A., M.A., M.A., Ph.D. (Johns Hopkins University) 
COMISH, NEWEL W., Emeritus of Management (1968), B.S., M.S., Ph.D. (Ohio State University) 
CONGDON, KRISTIN G., Emeritus, Philosophy and Humanities (1998), B.A., M.S., Ph.D. (University of Oregon) 
CORNELL, RICHARD, Emeritus of Education (1968), B.S., M.S., Ed.D. (Nova University) 
CUNNINGHAM, GLENN N., Emeritus of Chemistry (1969), B.S., M.S., Ph.D. (North Carolina State University) 
DEL-ROPER, MARCEL, Emeritus of Foreign Languages and Literatures (1968), B.A., M.A., Ph.D. (University of California-Irvine) 
DENNING, RICHARD G., Emeritus of Engineering Technology (1976), B.M.E., M.S., Ed.D. (University of Georgia) 
DUTTON, RONALD D., Emeritus of Electrical Engineering and Computer Science (1972), B.S., M.S., Ph.D. (Washington State University) 
EHRHART, LLEWELYN M., Emeritus Professor and Emeritus Emeritus of Biology (1969), A.B., Ph.D. (Cornell University) 
ELLIS, LESLIE L., Emeritus Professor of Biology (1968), B.S., M.S., Ph.D. (University of Wisconsin) 
ENO, BURTON E., Emeritus Professor of Engineering (1979), B.S., M.S., Ph.D. (Cornell University) 
ESLER, WILLIAM K., Emeritus Professor of Education (1968), B.A.Ed., M.A.Ed., Ph.D. (Kent State University) 
EVANS, THOMAS G., Emeritus Professor of Accounting (1990), B.S., M.B.A., Ph.D. (Michigan State University) 
EVANS, THOMAS G., Emeritus Professor of Accounting (1990), B.S., M.B.A., Ph.D. (Michigan State University) 
FEDLER, FREDERICK E., Emeritus Professor Emeritus of Nichols School of Communication (1971), B.S., M.A., Ph.D. (University of Minnesota) 
FICK, ROBERT G., Emeritus Professor of Humanities (1986), B.S., M.A., Ph.D. (University of Florida) 
FREDERICK, TERRY J., Emeritus Professor Emeritus of Film and Digital Media, and Distinguished Service Professor of Computer Science (1975), B.S., M.S., Ph.D. (University of Wisconsin) 
GENNARO, ROBERT N., Associate Director, Burnett School of Biomedical Sciences; Emeritus Professor Emeritus of Molecular Biology and Microbiology (1970), Ph.D. (Texas A&M University) 
GILSON, RICHARD, Emeritus Professor Emeritus of Psychology (1985), B.S., M.S., Ph.D. (Princeton University) 
GRIFITH, HAROLD L., Emeritus Professor of Engineering Technology (1972), B.S., M.S. (Pennsylvania State University) 
HICKEY, TERRY L., Emeritus Professor Emeritus of Engineering (2003), B.A., M.A., Ph.D. (University of Miami) 
HOUSER, R. RAMON, Emeritus Professor Emeritus of Engineering (1978), B.S., M.S. (University of Illinois), P.E. (Florida) 
HOSNI, YASSER A., Emeritus Professor Emeritus of Economics (1977), B.A., M.A., Ph.D. (University of Arkansas) 
HOSNI, YASSER A., Emeritus Professor Emeritus of Engineering (1978), B.S., M.S., Ph.D. (University of Arkansas) 
PEGASUS, TERRY L., Emeritus Professor Emeritus of Engineering (1978), B.S., M.S., Ph.D. (University of California-Irvine) 

Undergraduate Catalog 2011-2012
Faculty and Administration Emeriti

HULDESTON, THOMAS, JR, Vice President Emeritus for Marketing, Communications and Admissions (1993), B.S., M.S., Ed.D. (Oklahoma State University)
HUSON, PHILLIS J., University Librarian Emerita (1972), B.A., M.S.L.S. (University of Illinois)
HYNES, MICHAEL C., Professor Emeritus of Education (1971), B.S.Ed., M.Ed., Ph.D. (Kent State University)
JOELS, ROSIE WEBB, Professor Emerita of Education (1978), B.A., M.Ed. (University of Arizona)
JOHNSON, WILLIAM H., Professor Emeritus of Education (1986), B.S., M.Ed., Ph.D. (Kent State University)
JONES JR., HALSEY R., Professor Emeritus of Management (1982), B.A., M.S., Ph.D. (Pennsylvania State University)
JUGE, FRANK E., Professor Emeritus of Chemistry (1968), B.S., Ph.D. (University of Cincinnati)
JUGE, FRANK E., Professor Emeritus of Chemistry (1968), B.S., Ph.D. (University of Cincinnati)
KERR, ROBERT D., Dean Emeritus and Professor Emeritus of Engineering (1968), B.S., M.S., Ph.D. (Northwestern University), P.E. (Florida, Arizona, and Oklahoma)
KJIK, JEAN C., Associate Professor Emerita, Nursing (1985), B.S.N., M.A., Ph.D. (New York University)
KOEVEREN, JAMES L., Professor Emeritus of Biology (1971), B.A., M.A., Ph.D. (University of Iowa)
KUHN, DAVID T., Professor Emeritus of Biology (1970), B.A., M.S., Ph.D. (Arizona State University)
KUO, SHIU-SAN, Professor Emeritus of Engineering (1981), B.S., M.S., Ph.D. (Michigan State University), P.E. (Florida)
LECKIE-REED, SHIRLEY A., Professor Emeritus of History (1969), B.A., M.A., Ph.D. (University of Toledo)
LIEBERMAN, LESLIE, Professor Emerita, Anthropology (2001), B.A., M.A., Ph.D. (University of Connecticut)
LILIE, STUART A., Associate Professor Emeritus of Political Science (1972), B.A., Ph.D. (Johns Hopkins University)
LLEWELLYN, RALPH A., Professor Emeritus of Physics (1980), B.S., Ph.D. (Purdue University)
LOTZ, STEVEN D., Professor Emeritus of Art (1968), B.A., M.F.A. (University of Florida)
MADESEN, BROOKS C., Professor Emeritus of Chemistry (1970), B.S., M.S., Ph.D. (Ohio University)
MALONE, LINDA C., Professor Emeritus of Engineering Science (1979), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University)
MATHews, BRUCE E., Professor Emeritus of Engineering (1969), B.E.E., M.S.E., Ph.D. (University of Florida), P.E. (Florida)
MATTSON, GUY C., Professor Emeritus of Chemistry (1969), B.S., Ph.D. (University of Florida)
MccBRAYER, JAMES D., Professor Emeritus of Engineering (1990), B.S.A.E., M.S., Dipl., D.Sc. (Washington University), P.E. (Florida, Missouri, Ohio)
McGEE, WILLIAM W., Professor Emeritus of Forensic Science (1968), B.S., M.S., Ph.D. (University of Florida)
MICARELLI, CHARLES N., Dean and Professor Emeritus of Foreign Languages and Literatures (1967), B.A., M.A., Ph.D. (Boston University)
MILLER, ERNEST E., Professor Emeritus of Education (1968), B.S., M.S., Ed.D. (University of North Dakota)
MORGAN, BEN B., JR, Professor Emeritus of Psychology (1988), B.A., M.A., Ph.D. (University of Louisville)
MORSE, LUCY C., Associate Professor Emeritus of Engineering Technology (1963), B.A.B., M.S., Ph.D. (University of Central Florida)
MUKHERJEER, AMAR, Professor Emeritus, Electrical Engineering and Computer Science (1979), B.S., M.S., Ph.D. (University of California)
MULLIN, THOMAS A., Associate Professor Emeritus of Communication Sciences and Disorders (1972), B.A., M.S., Ph.D. (Syracuse University)
NICHOLSON, DAVID W., Professor Emeritus, Mechanical, Materials, and Aerospace Engineering (1990), B.S., M.S., Ph.D. (Yale University)
O'KEEFE, TIMOTHY, Professor Emeritus of Communication (1968), B.A., M.A., Ph.D. (University of North Carolina)
OMANS, STEUART E., Professor Emeritus of English (1968), B.A., M.A., Ph.D. (Northwestern University)
OSBORNE, JOHN A., Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Kansas State University)
OSTLE, BERNARD, Professor Emeritus of Statistics (1967), B.A., M.A., Ph.D. (Iowa State University)
PAXONIS, PETER, Dean Emeritus, College of Sciences (2000), B.S., Ph.D. (Iowa State University)
PAUL, GORDON W., Professor Emeritus of Marketing (1977), B.S., M.B.A., Ph.D. (Michigan State University)
PAULEY, BRUCE F., Professor Emeritus of History (1971), B.A., M.A., Ph.D. (University of Rochester)
PHILLIPS, RONALD L., Professor Emeritus of Engineering Science and Mathematics (1970), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)
PICKERING, ROY, Professor Emeritus, Music (1979), B.M.E., J.J. (Indiana University)
PRITCHARD, ROBERT D., Professor Emeritus, Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)
PYRE, RALSFORD C., Associate Professor Emeritus of Legal Studies (1976), A.B., M.A., J.D., Ph.D. (University of Florida)
ROHrer, FRANK D., Professor Emeritus of Education (1968), B.S., M.Ed., Ph.D. (University of Southern California)
ROLLINS, JACK B., Professor Emeritus of Psychology (1969), B.S., M.S., Ph.D. (University of Georgia)
RUBIN, RONALD S., Professor Emeritus of Marketing (1972), B.A., M.A., Ph.D. (University of Massachusetts)
SALTER, JOHN H. III, Chairholder, Ernst & Young Professorship and Professor Emeritus of Accounting (1975), B.S., M.S., Ph.D. (Louisiana State University)
SCHIFFTROST, GERALD J., Professor Emeritus of English (1970), B.S., M.A., Ph.D. (Washington University)
SCOTT JR., DAVID F., Professor Emeritus of Finance (1982), B.S.B.A., M.B.A., Ph.D. (University of Florida)
SHERWOOD, HOWARD, Professor Emeritus of Mathematics (1969), B.S., M.S., Ph.D. (University of Arizona)
SHOFNER, JERRELL H., Professor Emeritus of History (1972), B.S., M.S., Ph.D. (Florida State University)
SILFVAST, WILLIAM, Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)
SMITH, FRANCES B., Associate Professor Emeritus of Nursing (1979), R.N., Ed.D. (Florida State University)
SMITH, HARRY W., JR, Professor Emeritus of Theatre (1969), B.A., M.A., Ph.D. (Tulane University)
SMITH, WILLIAM F., Professor Emeritus of Engineering (1999), B.A., M.S., Sc.D. (Massachusetts Institute of Technology), P.E. (California, Florida)
SNELSON, FRANKLIN F., JR, Professor Emeritus of Biology (1970), B.S., Ph.D. (Cornell University)
SOMERVILLE, PAUL N., Professor Emeritus of Statistics (1972), B.Sc., Ph.D. (University of North Carolina)
SORG, STEVEN E., Associate Professor Emeritus of Education (1978), B.S., M.S., Ph.D. (Florida State University)
STEARMAN, ALLYN M., Professor Emerita of Anthropology (1976), B.A., M.A., Ph.D. (University of Florida)
STEIGEMAN, GEORGE L., Professor Emeritus of Optics and EEECS (1990), B.S., M.S., Ph.D. (University of Toronto)
STOUT, I. JACK, Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Washington State University)
SWEENEY, MICHAEL J., Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)
SWEENEY, RAVEN C., Associate Dean, College of Sciences, and Professor Emeritus of Biology (1971), B.S., Ph.D. (Syracuse University)
TAYLOR, JAMES S., Professor Emeritus of Engineering (1967), B.A., M.S., M.S., Ph.D. (University of Florida), P.E. (Florida)
TAYLOR, K. PHILIP, Professor Emeritus of Communication (1970), B.A., Ph.D. (Indiana University)
TAYLOR, MICHAEL D., Professor Emeritus of Mathematics (1989), B.A., M.S., Ph.D. (Florida State University)
TAYLOR, WALTER K., Professor Emeritus of Biology (1969), B.S., M.S., Ph.D. (Arizona State University)
THOMAS, MARGARET H., Professor Emerita of Psychology (1971), B.A., M.A., Ph.D. (Tulane University)
GESQUIERE, ANDREEZ, Secondary Joint Assistant Professor of FSEC (2009), B.S., Ph.D. (Catholic University of Leuven)

GHAMARI-TABRIZI, SHARON, Courtesy Research Associate (2009), Ph.D. (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)

GOLDIEZ, 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 Georgia)

GOODWIN, KENNETH, Courtesy Assistant Director, Career Services and Experiential Learning (2006), B.S., M.S., Ph.D. (University of Central Florida)

GORDIN, PATRICIA, Courtesy Adjunct - Educational Research, Technology & Leadership (2007), 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. (Universidad Central de Venezuela)

HICKLEY, MICHAEL H., Associate Professor of Physics (2003), Ph.D. (La Trobe University)

HICKMAN, JAMES, Secondary Joint Professor School of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

HICKMAN, JAMES, Secondary Joint Professor (2009), M.S., Ph.D. (Massachusetts Institute of Technology)

HIGBEE, RUSSELL, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Oklahoma State University)

HILL, DON-MICHAEL, Courtesy Adjunct Instructor (2010), B.M. (Curtis Institute of Music)

HOLSENECK, DANIEL, Courtesy Professor of Communication (2003), B.S., Med., Ph.D. (Florida State University)

HORN, GORDON, Courtesy Clinical Assistant Professor of Psychology (2009), B.S., M.A., Ph.D. (Saint Louis University)

HUANG, XU, Courtesy Visiting Scholar (2007), B.S., M.B.A., Ph.D. (Southwestern University of Finance and Economics)

HUBSCH, TRISTAN, Courtesy Graduate Faculty Scholar (2009), B.S., Ph.D. (University of Maryland)

HUSKAM, SABER, Courtesy Professor (2010), Ph.D. (Osmania University)

JARVIS, JOHN, Courtesy Research Associate Professor of Sociology (2006), B.A., B.S., M.A., Ph.D. (University of Virginia)

JEDICA MORRIS, LORI, Courtesy Research Associate Professor of Biology (2004), M.A. (College of William and Mary)

JOHNSON, NANCY M., Courtesy Clinical Nurse Specialist (2006), B.S., M.S.N. (University of Evansville, Indiana)

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 (2010), B.S., M.S., Ph.D. (University of Illinois at Urbana-Champaign)

KELLY, DANIEL P., Courtesy Professor of Biomedical Sciences, Biomolecular Science Center (2008), B.A., M.A., Ph.D. (University of Rochester)

KENDALL, ROBERT S., Professor of Psychology (2010), B.A., M.A., Ph.D. (University of Chicago)

KENN, ROBERT F., Assistant Professor of School of Film and Digital Media and Secondary Joint Assistant Professor of Educational Research, Technology, and Leadership (2009), B.A., M.A., Ph.D. (University of Florida)

KIM, JONG, Courtesy Research Scientist (2009), B.S., M.S., Ph.D. (Pennsylvania State University)

KINCAID, J. PETER, Professor of Psychology and Senior Research Scientist, Modeling and Simulation and Secondary Joint Professor of Medical Education (2010), B.A., M.A., Ph.D. (Ohio State University)

KRUPP, LINDA, Courtesy Adjunct Instructor, Educational Studies (2007), Ed.D. (University of Florida)

KUCHMA, MELISSA, Courtesy Visiting Scientist (2006), Ph.D. (Massachusetts Institute of Technology)

KYLE, TIFFANY LINKOVICH, Courtesy Research Assistant Professor of Psychology (2007), B.A., M.S., Ph.D. (University of Central Florida)

LEE, HAEJONG, Courtesy Research Associate in Public Affairs (2005), Ph.D. (Yonsei University, Seoul, Korea)

LEHMAN, JEFFREY, Clinical Professor in Communication Sciences and Disorders; Courtesy Assistant Professor of Otolaryngology (2003), (University of Wisconsin)

LELIO, DAN DARIO, Courtesy Clinical Assistant Professor of Psychology (2009), B.A., M.S., Ph.D. (University of South Florida)

LEUENBERGER, MICHAEL N., Secondary Joint Assistant Professor of Electrical and Computer Engineering (2005), B.S., M.S., Ph.D. (University of Basle, Switzerland)

LEWIS, MICHAEL, Professor of Medicine and Secondary Joint Assistant Professor (2005), M.D. (University of Alabama at Birmingham)

LI, GUIFANG, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1993), Ph.D. (University of Sheffield)

LIEBJMANN, R. JANE, Associate Professor of Psychology and Senior Research Scientist, Courtesy Assistant Professor of Molecular Biology (2008), B.A., M.A., Ph.D. (University of Alabama at Birmingham)

LIPPMANN, BARRY A., Clinical Assistant Professor of Otolaryngology (2007), B.S., M.S., M.D. (University of Chicago)

LITZ, ROBERT, Assistant Professor of Social Sciences (2009), B.A., M.A., Ph.D. (University of Pennsylvania)

LOUGHNER, BARRY A., Clinical Faculty, Health Services Administration; Courtesy Associate Professor of Medical Education D.D.S., M.S., Ph.D. (University of Florida)

LUPO, GIOVANNI, Thesis Committee (2010), M.D. (University of Palermo)

MACINTYRE, SHIRAM, Courtesy Assistant Professor - Public Affairs (2007)

MARTIN, LAWRENCE, Professor, Public Administration and Public Affairs, Joint Appointment (2004), Ph.D. (Arizona State University)

MARTIN, SCOTT, Courtesy Faculty (2010), B.S., M.S., Ph.D. (University of Washington)

MARTIN, THOMAS, Courtesy Adjunct Professor (2005), B.S., M.S., M.A., Ph.D. (University of Central Florida)

MEDIAN, ANI, Assistant Professor of Pharmaceutical Science (2004), B.S., M.S., Ph.D. (University of Florida)

MEKES, SANFORD, Courtesy Graduate Faculty Scholar (2009), B.S., M.D., Ph.D. (University of Florida)

MELLEN, JILL, Assistant Research Professor of Biology (1999), B.S., M.S., Ph.D. (University of California, Davis)

MENGES, ERIC, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Wisconsin)

MIHAI, FLORIN, Secondary Joint Assistant Professor (2009), B.S., Ph.D. (The Florida State University)

MILLS, HARRY, Courtesy Clinical Assistant Professor of Psychology (2009), Ph.D. (University of Southern Mississippi)

MILLS, LARRY, Nursing Thesis Committee (2010), D. Min. (Bethany Theological Seminary)

MONDY, CAROL, Courty Culture Keeper (2009), B.A., M.A., M.S., Ph.D. (Virginia Commonwealth University)

NADEAU, JEANETTE A., Secondary Joint Assistant Professor of Biomedical Science Center (2003), Ph.D. (University of California, Davis)

NADLER, JODI, Courtesy Clinical Assistant Professor of Psychology (2009), B.A., B.S., M.S., Ph.D. (New York University)

NICHOLS, JAMES, Courtesy Professor of Biology (2004), B.S., M.S., Ph.D. (Michigan State University)

NICHOLSON, DENISE, Secondary Joint Assistant Professor of Industrial Engineering and Management Systems (1997), B.S., M.S., Ph.D. (University of Arizona)

ODELL, DANIEL K., Professor of Biology (1994), B.S., M.A., Ph.D. (University of California, Los Angeles)

OGDEN, JACQUELINE J., Assistant Professor of Biology (1999), B.A., M.S., Ph.D. (University of Virginia)

ONeAL, THOMAS, Secondary Joint Assistant Professor (2005), B.S., M.S., M.A., Ph.D. (University of Central Florida)

ONIK, 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)

PARKINSON, RANDALL, Courtesy Assistant Research Professor of Biology (2010), B.S., M.S., Ph.D. (University of Iowa)

PATTISAPU, JOGI, Courtesy Assistant Professor of Molecular Biology and Microbiology (2003), M.D. (University of Texas Medical Branch)
ADMINISTRATIVE OFFICERS AND STAFF

ABNEY, BARBARA COMPTON, Director, Marketing/Communications, Office of Research & Commercialization (1997), BS in Journalism (University of Florida)

ABRAMSON, ALLEN, Director, Human Resources, College of Medicine (2007), B.A. (Indiana University)

ARCHER, SANDRA, Director, University Analysis and Planning Support (2004), B.A., M.S., Ph.D. (University of Central Florida)

AZURE, BEVERLY, Director, Academic Services (2000), B.S., M.A. (University of Central Florida)

BALANOFF, JANET P., Director, Equal Opportunity and Affirmative Action Programs (1980), B.S.J., M.S.P.A. (Florida State University)

BAMBERGER, ALICE, Director (2003), B.A., M.S. (Iona College)

BEARY, RICHARD, Director, University Police (2007), B.A., M.S. (University of Central Florida)

BERRY, ANDREA, Director, Faculty Development, College of Medicine (2009), M.P.A.

BERSIA, JOHN, Vice President for Undergraduate Admissions, College of Medicine (2009), B.A., M.S. (Binghamton University)

BISHOP, PATRICIA J., Assistant Vice President for Academic Affairs, College of Medicine (2007), B.A., M.S., Ph.D. (University of Central Florida)

BORDEN, M. PAIGE, Director, Facilities Planning (2010), B.D., M.BCN (University of Florida)

BULGER, SANDRA, Director of Undergraduate Services (1989), B.A., M.A. (University of Central Florida)

CHANDIA, NATALY, Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)

CHASE, DIANE Z., Executive Vice Provost for 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., Assistant Director of Admission (1972), B.A.B.A. (University of Cincinnati)

CHARKOWSKY, SCHEILA L., Assistant Director of Academic Support Services (2010), B.S., M.S. (University of Iowa)

COLLI, W. SCOTT, Director, Student Services (1980), B.S., M.S. (University of Central Florida)

COPLEY, JENNIFER, Director, University Facilities (2005), B.A., M.S., Ph.D. (University of Florida)

CROCKETT, JAMES E., Assistant Vice President for Institutional Research (2004), B.S., M.A. (University of Central Florida)

DAVIS, ANDREW, Director, University Career Services (2005), B.A., M.S., Ph.D. (University of Central Florida)

DEHMLER, RICHARD, Director, University Police (2009), B.S., M.S. (University of Central Florida)

DORMAN, TERESA, Director, University Police (2003), B.A., M.P.A. (University of Central Florida)

DUFOUR, JAMES, Director, Student Conduct and Intake (2010), B.A., M.A. (University of Central Florida)

EHASZ, MARIBETH, Director, Office of Diversity and Equity (2009), B.S., M.S., Ph.D. (University of Central Florida)

EISENBERG, LAURENCE, Director, Student Conduct (2007), B.A., M.S., Ph.D. (University of Central Florida)

ENGEL, DAVID, Director, University Libraries (2008), B.A., M.S., Ph.D. (University of Central Florida)

FERNANDEZ, JOAN, Provost and Vice President for Academic Affairs (2003), B.S., M.S., Ph.D. (University of Central Florida)

FORTIER, VANESSA, Associate Vice President, Finance (2007), B.S., M.B.A. (University of Central Florida)

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., Vice President for Medical Affairs and Dean, College of Medicine (2006), B.S., M.D. (Harvard Medical School)

GLASPIE, HENRY, Director, IT, College of Medicine (2002), M.S.I.E. (University of Central Florida)

GONZALEZ, LYNN, Associate Vice President, Budget and Personnel Administration (1991), B.A., M.B.A. (University of Central Florida)

GRAY, BETSY L., Associate Director, Office of Research & Commercialization, and Chief Operating Officer, UCF Research Foundation (1972), B.S.B.A. (University of Central Florida)

GUMBLE, MARK, Director, Academic Services for Student Athletes (2005), B.A., M.A. (Binghamton University)

HALL, RHONDA C., Director, Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)

HALL, THOMAS, Director, Alcohol & Other Drug Programming (1991), B.S., M.S. (Florida State University)

HALPIN, SUZANNE M., Director, Student Union (1998), B.S. (Bentley College)

HANSEN, LYNN, Executive Director, Career Services (2010), A.A., B.S., M.Ed. (University of West Florida)

HARMS, ALFRED G., Vice President, Strategy, Marketing, Communications, and Admissions (2005), B.S., M.S. (Texas A&M University)

HARTMAN, JOEL L., Vice Provost, Information Technologies and Resources (1995), B.S., M.S., Ed.D. (University of Central Florida)

HARTZLER, CHRISTI A., Assistant Vice President for Student Affairs (2006), B.S., M.A., Ph.D. (Texas A&M University)

HESTON, GRANT J., Associate Vice President, Student Conduct (2010), B.A., M.Ed. (University of Central Florida)

HUEY, SHARON L., Associate Vice President, Division of Student Affairs (1990), B.A., M.A. (Western Illinois 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)

JACOBS, RICHARD, Chair, Faculty Senate (2009), B.A., M.S., Ph.D. (University of Central Florida)

JACOBS, RICHARD, Chair, Faculty Senate (2009), B.A., M.S., Ph.D. (University of Central Florida)

JACKSON, JOHN, Director Environmental Health & Safety (2002), B.S. (Auburn University)

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)

JEFFERSON, ALLISON, Executive Director of Administration (1999), B.A., M.S. (Northeastern University)

JONES, TRACY R., Assistant Dean, Graduate Admissions, Student Services, and recruiting, College of Graduate Studies (1995), B.A., M.A. (University of Central Florida)

JUNTINGEN, DANA, Director, Office of Student Conduct (2003), B.A., M.Ed. (James Madison University)

KERNEX, LEE, Associate Vice President, Facilities and Safety (2007), B.S.M.P.A. (Harvard University)


KITTNER, ROBERT, Vice President for Academic Affairs and Investments (2008), B.A., M.S. (University of Central Florida)

KLEIN, TED J., Assistant Vice President, Business Affairs and Operations, UCF Regional Campuses (2008)

LAINEY, DAVID, Associate Vice President, Business Affairs and Operations, UCF Regional Campuses (2008)

LARKIN, ROBERT, Director, Admissions, College of Medicine (2007), B.A. (University of South Florida)

LARTONOIX, PAUL F., Assistant Dean of Undergraduate Services (2008), B.A., M.A. (University of Central Florida)

LARZANO, ANTONIO, Dean, College of Medicine (2001), B.A., M.S., Ph.D. (University of Central Florida)

LAUREANO, GLORIA, Assistant Vice President, Student Development and Enrollment Services (1996), B.A., M.A., Ed.D. (University of Central Florida)
LEINSING, DONNA, Executive Director/UF Academy (1993), B.A.Ed., M.Ed. (University of Central Florida)

LYONS-OTEN, TERESA, Registrar, College of Medicine (2007), B.S. (Tennessee State University)

MacKOWN, PATRICIA A., Assistant Vice President, Student Development and Enrollment Services (1979), B.A., M.A. (University of Central Florida)

MADSEN, RUTHANNE, Director, Financial Services, College of Medicine (2007), M.B.A., Ed.D. (Nova Southern University)

MAJOR, ANTHONY, Director, Zora Neale Hurston Institute of Technology (2007), B.A., M.F.A. (New York University)

MALERET, STACEY, Director, Student Leadership Development (2001), B.A., M.A., Ed.D. (University of Central Florida)

MARRETT, CAROLINE, Director, Toni Jennings Educational Institute Education (2007), B.S., M.A., Ph.D. (University of Central Florida)

MASON, GREGORY S., Assistant Vice President, University Support (2007), B.S., M.A., Ph.D. (University of Central Florida)

MCCLOUD, REBEKAH, Director, Student Development and Enrollment Services PRIME STEM Student Support Services Program (2001), B.A., M.Ed., M.S., Ed.D. (University of Central Florida)

MCINNES, MARY, Executive Director, Student Financial Assistance (1971), B.S., M.P.A. (University of Central Florida)

MEALOR, DAVID, Associate Vice President and Director, UCF Heathrow and UCF Sanford/Lake Mary (1980), B.S., Ph.D. (University of Georgia)

MERICK, II, WILLIAM F., Vice President for Administration and Finance, and CFO (1996), B.B.A., M.B.A. (Georgia State University)

MESSINA, THOMAS, Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association (1992), B.S., M.B.A. (Embry Riddle Aeronautical University)

MODIANOS, DOAN T., Associate Vice President, Strategic Planning (2006), Ph.D. (Texas Christian University)

MONROE, JUDITH E., Associate Vice President, University Support (1978), B.S., M.A. (University of Central Florida)

MOORE, RHONDA, Director, Creative School for Children (2009)


NEIGHBOR, J. EDWARD, Vice Provost, Academic Administrative Systems, and Professor of Physics (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

NORVELL, DAVID, Director, Sustainability and Energy (2008)

O’NEAL, THOMAS P., Associate Vice President, Research & Commercialization, and Director, UCF Technology Incubator and Secondary Joint Associate Professor of Industrial Engineering & Management Systems (1991), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)

OCONNELL, STEPHEN, Director, First Year Advising and Exploration (2003), B.A., M.A. (Ohio State University)

OHARA, BARBARA, Director, Health Sciences Campus Operations, College of Medicine (2006), M.F.A. (Rollins College)

OMLI, STEVE, Director, Finance and Accounting, College of Medicine (2008), M.B.A. (University of North Carolina)

ORO, GLENN, Assistant Vice President, Community Relations (1999), B.A. (University of Central Florida)

PATES, PATRICIA, Director, Research, Grants, and Evaluation (1996), B.A., M.A., Ed.S. (University of Louisville)

PAVLONIS, DAVID L., Assistant Vice President and Director, SDES-Office of Budget & Personnel (1996), B.S., M.S. (University of Tennessee)

PAYNE, RICHARD S., Assistant Vice President, SMCA Operations (2002), B.S., M.B.A. (University of Central Florida)

PEARSON, STACEY M., Director, Counseling Center (2008), B.A., M.A., Ph.D. (Pennsylvania State University)

PEPPERL, RICHARD D., Associate Dean, Faculty and Academic Affairs, College of Medicine (2007), B.A., Ph.D. (University of Kansas)

PERRY, ANTHONY, Director, Rosen College of Hospitality Management Student Life (2002), B.A., M.Ed., M.S. (University of Louisville)

PETERSON, ANGELA, Associate Vice President, Regional Campuses, Enrollment Services, and Marketing and Outreach (2005), B.S., M.S. Ed. (Pittsburgh State University)

PETKOV, ANA, Director, Constituent Relations (2008)

PIETY, REBECCA, Director, University Testing Services (1998), B.A., M.A. (University of Central Florida)

PITTMAN, JOHN, Director, Financial Services (2000), B.S., M.S. (University of Central Florida)

POOLE, MAX C., Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences (2005), B.S., Ph.D. (Medical College of Georgia)

PRESTON, MICHAEL, Director, Office of Student Involvement (2011), B.A., M.S. (Southern Illinois University - Carbondale)

PRIEST, DeLANIE, Associate Vice President, Student Development and Enrollment Services (1994), B.A., M.A. (University of Alabama-Birmingham)

PUSKAS, RAYMOND, Director, Purchasing (1988), B.A. (University of Connecticut)

RANGE, A. J., Assistant Vice President, Regional Campus Student Services (1994), B.S., M.Ed. (Florida A&M University)


REAGAN, PAMELA, Director, Student Disability Services (2003), B.A., M.Ed. (National-Louis University)

REDDICK, ALZO J., Director, Special Programs and Defense Transition Services (1990), B.S., M.E., Ed.D. (Novus University)

REED, HAL C., Assistant Vice President for Planned Evaluation (2000), B.A., J.D. (University of Kansas)

RITCHIE, JOE, Executive Director, First Year Experience (2000), B.A., M.A. (Indiana University of Pennsylvania)

RIVERS, CECELIA H., Assistant Vice President, UCF Leesburg, UCF Ocala, and UCF South Lake, UCF Regional Campuses (1981), B.A., M.A., Ed.D. (University of Central Florida)

ROBERTS, MARK A., Chief Human Resources Officer (1986), B.A., M.A. (Central Michigan University)

SAWYER, CURTIS, Director, Business Services and Knights Plaza (2008)

SCHELL, JOHN F., Vice President and Chief of Staff, Office of the President, and Professor of English (1987), B.A., M.A., Ph.D. (Vanderbilt University)

SCHNEIDER, KIMBERLY, Director, Undergraduate Research (2007), B.S., Ph.D. (University of South Carolina)

SCHONS, EDWARD L., Director, University Economic Development, University Relations (2000), B.S. (Florida Southern College)


SCHUYLER, SHREYA, Director, Athletics and Sport Management (2008), M.A. (University of Central Florida)

SCHULTZ, DIANE, Associate Vice President, Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)

SCHUYLER, SHREYA, University Ombuds Officer (2011)

SINGH, KRISHNA, Director, Parking & Transportation Services (2009)

SMITH, SORAYA, Director, Student Affairs, College of Medicine (2009), M.B.A. (University of Central Florida)

SNOW, ROBERT, Director, Sophomore and Second Year Center (1987), B.S., M.S. (Shippensburg University Pennsylvania)

SOILEAU, MARION J., Vice President, Research & Commercialization and Professor of Optics & EECS (1987), B.S., M.S., Ph.D. (University of Southern California)

STEPPINS, CONSELO, Assistant Vice President, First Year Advising and Exploration (1987), B.A., M.A., Ph.D. (The Florida State University)

STEGALL, SCOTT, Director, Facilities Planning (2009)

STERN, MICHAEL J., Associate Dean, College of Graduate Studies, Professor of Biology (2007), B.S., Ph.D. (University of California at Berkeley)

STINARD, CHARLENE, Director, Transfer & Transition Services (1990), B.A., M.A. (Columbia University)

SUCHER, CYNTHIA, Associate Vice President, Community Relations (2006), B.A. (University of Central Florida)


SWEENEY, MICHAEL J., Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)

SWEET, HAVEN C., Associate Dean, College of Sciences, and Professor Emeritus of Biology (1971), B.S., Ph.D. (Syracuse University)

THOMAS, CARLEE, Director, Development, Burnett School, College of Medicine (2008), M.A. (University of Central Florida)


TABA, HAIM, Director, First Year Advising and Exploration (2011), B.A., M.A. (University of Central Florida)

TREW, DIANE, Associate Vice President, Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)

TROYER, KEITH, Director, Athletics and Executive Vice President of UCF Athletics Association (2011)

TRISTANO, SHREYA, University Ombuds Officer (2011)

TRUMAN, BARBARA, Director, Course Development and Web Services (1996), B.A., M.A. (University of Central Florida)

VAIDYANATHAN, PALLAVOO N., Assistant Vice President for Research (1989), B.S., B.E., M.Sc., M.B.A. (University of Central Florida)
VAZQUEZ, JOSE, Interim Director, Environmental Health and Safety (1994), B.A., M.A. (University of Wyoming)

VITTES, M. ELLIOT, Interim Vice Provost and Dean of Undergraduate Studies and Associate Professor of Political Science (1983), B.A., M.A., Ph.D. (University of Massachusetts)

VOELKER, AMY, Executive Director, University Audit (1990), B.S., M.P.A. (University of Central Florida)

WALDROP, TONY, Provost and Vice President (2010), B.A., M.A., Ph.D. (University of North Carolina, Chapel)

WALTON, ROXANNE, Director, Human Resources (2002), B.S. (Stetson University)

WATSON, JIMMY L., Assistant Vice President, Off Campus Student Services (1980), B.A., M.Ed., Ph.D. (Columbia Commonwealth University)


WIDMAN, DIANA, Director, Student Services, Eastern Region (1984), B.S., M.A., Ed.D. (University of Central Florida)

WELCH, KERRY, Assistant Vice President, Student Development and Enrollment Services (2004), B.A., M.A., Ed.D. (University of Cincinnati)

WILKENING, JAMES, Director, Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)


WIRAG, J. ROBERT, Director, Health Services (2006), B.S., M.S., H.S.D. (Indiana University)

WHITTINGTON, ANDREA, Director of Graduate Services (2000), B.S., M.A. (George Washington University)

WRIGHT, JENNIFER, Director, Dispute Resolution Services (2001), A.A.S., B.S.B.A, M.A. (Appalachian State University)

YANCKELLO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed., (Pennsylvania State University)

YOUNG, DENISE L., Associate Vice President and Director UCF Cocoa and UCF Palm Bay (1990), B.A., M.S.W., Ph.D. (University of Michigan)

ZUGELDER, BRYAN, Director of Clinical Experiences (2005), B.S., M.S., M.A., Ed.D. (Nova Southeastern University)
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**HONORARY DEGREES AWARDED**

December 1969: Kurt H. Debus, Doctor of Engineering Science

June 1970: John W. Young, Doctor of Applied Sciences

March 1973: Louis C. Murray, Doctor of Public Service

August 1974: Fred C. Clayton, Doctor of Professional Engineering

August 1978: Richard F. Livingston, Doctor of Business Administration

June 1979: Albert F. Hegenberger, Doctor of Engineering Science

Lee R. Scherer, Doctor of Engineering Science

December 1979: Joseph Daniel Duffey, Doctor of Humanities

June 1980: Thelma Vivian Jackson Dudley, Doctor of Humanities

Howard Phillips, Doctor of Public Service

April 1982: Robert J. Whalen, Doctor of Engineering Science

Andrew Duda, Jr., Doctor of Agricultural Service

Ferdinand Duda, Doctor of Agricultural Service

John Duda, Doctor of Agricultural Service

July 1982: Mary Jo Davis, Doctor of Public Service

William E. Davis, Doctor of Public Service

Joseph A. Boyd, Doctor of Engineering Science

J. W. Hubler, Doctor of Engineering Science

Charles Wadsworth, Doctor of Public Service

Allan E. Gotlieb, Doctor of Laws

May 1985: George J. Becker, Jr., Doctor of Public Service

Jerry Collins, Doctor of Public Service

D. Robert Graham, Doctor of Public Service

Walter O. Lowrie, Doctor of Engineering Science

William C. Schwartz, Doctor of Engineering Science

March 1986: Isaac Bashevis Singer, Doctor of Letters

October 1988: Elie Wiesel, Doctor of Letters

December 1988: Sven Caspersen, Doctor of Engineering Science

John D. Holloway, Doctor of Public Service

Wolfgang-Detlef Petri, Doctor of Commercial Science

May 1989: Frank M. Hubbard, Doctor of Public Service

David Albertson, Doctor of Humane Letters

William S. Jenkins, Doctor of Humane Letters

James C. Robinson, Doctor of Public Service

Charles N. Millican, Doctor of Laws

May 1990: Helen Harris Perlman, Doctor of Humane Letters

Thaddeus Seymour, Doctor of Letters

May 1991: Roald Hoffmann, Doctor of Science
Audit (course): to attend classes without receiving academic credit.

Audit (Degree): computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

BHC: Burnett Honors College

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requirements and graduation requirements for a particular academic year.

CBA: College of Business Administration.

CECS: College of Engineering and Computer Science.

CED: College of Education.

Certificate: special program of study supplemental to a major.

CT: consent of instructor.

Class Schedule Search: a component of the online myUCF system (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 subsets of the CLAS requirement through combination test scores (SAT or ACT) and specific course grades.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are twelve colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education (CED), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied toward the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hours.

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 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 currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the fall and spring and summer terms.

FYAE: First Year Advising and Exploration.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student’s life.

Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of “C-” (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.
Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: a charge associated with some courses to cover items consumed within the class.

MEP: Major Exploration Program to assist students are undecided about a major.

Minor: a complement to a bachelor’s degree program/ major requiring at least 18 credit hours in a field.

myUCF: the UCF student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, PID (Personal Identification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights E-Mail account, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs.

Nursing: College of Nursing.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal Identification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student’s status upon acceptance into the program.)

PID: (Personal Identification Number): personal eight-digit code required when entering myUCF or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar’s Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrols in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: There may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All eleven Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them “quarters.” UCF is on the semester system; however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see “Repeat Surcharge.”

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

VARC: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student disabilities services, counseling services, and various other programs and services for student veterans.

Web Enrollment Guide: online at http://registrar.ucf.edu/reg/. Provides the “Academic Calendar,” guides to registering online, Class Schedule Search and the Fee Invoice, and contains the policies that govern course registration. Each term’s class listings are available only online through myUCF Class Schedule Search at https://my.ucf.edu.

Withdrawal, Withdraw from a Course: to formally request an official departure from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office. Students are still responsible for tuition and fees for withdrawn courses.
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