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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<th>Session D</th>
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<td>June 27 - August 5</td>
<td>May 16 - August 5</td>
<td>May 16 - July 15</td>
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<td>6 Weeks</td>
<td>6 Weeks</td>
<td>12 Weeks</td>
<td>9 Weeks</td>
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<td>Application Deadline for All New Undergraduates</td>
<td>March 1</td>
<td>March 1</td>
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<tr>
<td>Application Deadline for Readmission</td>
<td>April 1</td>
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<tr>
<td>Application Deadline for Graduate Programs</td>
<td>April 15</td>
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<tr>
<td>Without Deadline</td>
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<tr>
<td>(Online Intent to Graduate Form on myUCF)</td>
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<td>Housing Payment Due</td>
<td>April 29</td>
<td>June 17</td>
<td>April 29</td>
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<td>Mar. 21 - May 15</td>
<td>Mar. 21 - June 26</td>
<td>Mar. 21 - May 15</td>
<td>Mar. 21 - May 15</td>
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<td>on myUCF</td>
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<td>Registration for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>May 13</td>
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<td>May 15</td>
<td>June 25</td>
<td>May 15</td>
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<td>May 16</td>
<td>June 27</td>
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<td>May 19</td>
<td>June 30</td>
<td>May 19</td>
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<tr>
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<td>May 16-20</td>
<td>June 27 - July 1</td>
<td>May 16-20</td>
<td>May 16-20</td>
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<td>on myUCF (ends at 11:59 p.m. on last day)</td>
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<tr>
<td>Last Day for Full Refund</td>
<td>May 19</td>
<td>June 30</td>
<td>May 19</td>
<td>May 19</td>
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<td>July 1</td>
<td>May 20</td>
<td>May 20</td>
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<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>
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<td>August 5</td>
<td>July 1</td>
<td>July 1</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete³</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”.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Holiday</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memorial Day Holiday</td>
<td>May 30, 2011</td>
</tr>
<tr>
<td>Independence Day Holiday</td>
<td>July 4, 2011</td>
</tr>
</tbody>
</table>
### 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>(Online Intent to Graduate Form for Undergraduates) on myUCF</td>
<td></td>
<td></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>Late Registration on myUCF</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 Reinstate 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](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 juniorsenior 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>
Undergraduate Academic Policy Statement
The University of Central Florida, may change any of the announce-
ments, information, policies, rules, regulations, or procedures set forth
in the Undergraduate Advising Guide and the Undergraduate Catalog.
The Undergraduate Catalog is published online once a year and can-
not always reflect new and modified regulations. Statements in the
Undergraduate Advising Guide and the Undergraduate Catalog may
not be regarded in the nature of binding obligations on the institution or
the State of Florida. While every effort will be made to accommodate
the curricular needs of students, limited resources may prevent the
University from offering all required courses in each semester or in day
and evening sections.

Students will be held accountable for the requirements, policies, and
procedures described in the Undergraduate Advising Guide and the
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,
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 Millican 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-
sion or misuse of a controlled substance, prescription medication or the
unlawful possession and use of alcohol is harmful and prohibited in and
on UCF owned and controlled property or as part of any of its activities.

Any UCF employee or student determined to have violated this policy
shall be subject to disciplinary action for misconduct, which may include
termination/expulsion and referral for prosecution. No employee/student
is to report to work/class or attend any University activity while under
the influence of illegal drugs or alcohol. Violation of these policies by an
employee/student will be reason for evaluation/treatment for drug/
alcohol disorder and/or for disciplinary action up to and including ter-
minal/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, posses-
sion 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 events.

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

Student organizations may develop more stringent regulations regarding
alcohol use.

Locations
The sale of alcoholic beverages to individuals of legal age will be permit-
ted in licensed areas by licensed on-campus distributors.
The sale or service of alcoholic beverages to individuals of legal age will
be permitted at other select campus locations for catered functions by
properly authorized distributors.
The serving, possession or consumption of alcohol by individuals of
legal age may be permitted in private residential rooms in the residence
halls and other on-campus or affiliated housing unless otherwise prohib-
ited by the governing organization. Consumption of alcoholic beverages
in public or common areas within on-campus residential units shall fol-
low 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 alcohol beverages are present in non-licensed campus locations
must be obtained from the Director of Student Leadership Programs.
The following information must be supplied by the student organization
and approved by the appropriate university officials, no less than 15
calendar days prior to the event(s). These arrangements include but are
not limited to: sponsoring organization and nature of event; date, begin-
ning and ending times, and location of event; number in attendance and
method of registering guests; method of designation for those of age/
underage; contained area where alcohol consumption is permitted; type
of alcohol along with food and alternative non-alcoholic beverages to be
provided; method of security including number of campus police officers;
person to be contacted at event in case of questions or problems.

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

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
breach of standards shall be held responsible. In cases of cheating or
plagiarism, the instructor may take appropriate academic action ranging from loss of credit for a specific assignment, examination,
or project to removal from the course with a grade of “F.” Additionally,
the instructor may request disciplinary action through the Office of
Student Rights and Responsibilities as outlined in The Golden Rule
Student Handbook.
Student Use of Technology
The University of Central Florida expects all students to have ready access to a personal computer and software appropriate to his or her field of study. Students can meet this expectation by purchasing or leasing a computer, sharing a computer with family or roommates, or using a UCF computer lab.

All UCF students should expect to use a personal computer in many University activities, including coursework, accessing library information, registering for classes, 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 account 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://csstore.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 was named Florida Technological University. The name was changed by action of the Florida Legislature on December 6, 1978.

The University of Central Florida is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACS COC) 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 SACS COC accreditation, please contact the university’s SACS COC liaison in UCF’s Office of Academic Affairs.

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

UCF is listed in Transfer Credit Practices on Designated Educational Institutions with the highest level of credit acceptability. This handbook is published by the American Association of Collegiate Registrars and Admission Officers and lists the acceptability of transfer credits based upon the reporting institutions in the states, commonwealths, territories, and selected international institutions.
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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Undergraduate Catalog 2011-2012


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 Llwwlynn
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 Kisby
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  Shellei Thomas-Small
Coordinator, Academic Advising Services I  Carol Black
Coordinator, Academic Advising Services I  Chris Miller
Coordinator, Academic Advising Services II  Celena Lue
Coordinator, Academic Advising Services II  Lisa Cruz
Coordinator, Academic Advising Services II  Melissa Hanbery
Coordinator, Academic Advising Services II  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  Jackie West-Lee
Coordinator, Academic Advising Services I  Michelle Camden
Coordinator, Academic Advising Services II  TBA
Coordinator, Academic Advising Services I  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 I  Michelle Camden
Coordinator, Academic Advising Services III  Darryl Greetle
Coordinator, Academic Advising Services II  Melissa Hanbery
Coordinator, Academic Advising Services I  Angela Edwards-Johnson
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 Pautloni
Assistant Director, Academic Support Services  Sonya Curtis
Coordinator, Academic Advising Services I  Angel Edgecombe
Coordinator, Academic Advising Services I  Lila Reyes
Coordinator, Academic Advising Services I  Shakira Quice
Coordinator, Academic Advising Services II  John King
Coordinator, Academic Advising Services II  Sheryl Schagen
Department IT Manager  Sue Sorenson

UCF South Lake, UCF Ocala, UCF Leesburg
Assistant Vice President, Academic Affairs  Cecelia Rivers
Associate Director, Academic Support Services  Tanya Armstrong
Administrative Assistant  Lila Reyes
Director, Regional Campus Student Services  Pamela Brady
Assistant Director, Enrollment Services  Christy Pasinsin
Coordinator, Enrollment Services  Thomas Silarek
Coordinator, Academic Advising Services II  Selena Forrester
Coordinator, Academic Advising Services II  Robin Tinsley
Coordinator, Academic Advising Services II  Bethany Larson
Coordinator, Academic Advising Services I  Scott Larson
Department IT Manager  Mei Wong

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

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, 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
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
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 Sciences: 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 Beach
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
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
Psychology (B.A.) College of Sciences
Social Science Education (B.S.) College of Education
Social Science (B.S.) College of Sciences
Sociology (B.A.) College of Sciences
University of Central Florida/Campuses

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

Graduate Degree Programs
- 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, Health Services Administration, Information Technology and Supervision and Administration
- Business Administration (B.A.) College of Business 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

Undergraduate Minors
- Business (For non-business majors only)
  - 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, Legal Studies, Supervision and Administration
- Business Administration (B.A.) College of Business Administration
- Criminal Justice (B.A., B.S.) College of Health & Public Affairs
- Elementary Education (B.S.) College of Education
- Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
- Legal Studies
- 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 only)
  - Criminal Justice
  - English - Writing
  - Health Services Administration
  - History
  - Interpersonal Communication
  - Legal Studies
  - Organizational Communication
  - Political Science
  - Psychology
  - Social Sciences - Interdisciplinary
  - Sociology
Central Florida Research Park

The Central Florida Research Park, adjacent to the main UCF campus, is a University-related research park established as a result of legislation passed by the Florida Legislature in 1978. The Research Park is a cooperative effort between UCF, the Orange County Research and Development Authority, and the Orange County Board of County Commissioners (which appoints the members of the Authority). The governing body of the Research Park is the Orange County Research and Development Authority.

The objectives of the Central Florida Research Park are in keeping with the legislative action that enabled its creation "to encourage and promote research and 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 the use of the library, computer resources, and laboratory facilities. Cooperative projects range from technical research to developing business plans and employee training programs.

Endowed Chairs

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

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

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

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

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

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: Angelina A. Bushy.


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

William Peepar 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.

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

Chatlos Foundation Endowed 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 Aroiand.

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. Simaan.

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

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. Tumbull.

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.
The International Services Center (ISC), a unit of the College of Graduate Studies, provides immigration advising and assistance to the international students and scholars at the University of Central Florida. ISC supports the international population in its adjustment to a new academic and cultural environment by providing a wide range of services and programming. Services include: admissions guidance, interpreting immigration regulations, explaining employment options, issuing travel authorization signatures, and end of year tax filing assistance. 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 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 vehicle patrols. The Patrol Division additionally contains specialized patrol units that include: 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.itr.ucf.edu

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

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

Associate Director for Administrative Services: Frank R. Allen
LIB 512; 407-823-2892
Associate Director for Public Services: Meg K. Scharf
LIB 512; 407-823-2564
Assistant Director for Systems and Technology: Selma K. Jaskowski
LIB 512; 407-823-5444
Associate Director for Collections and Technical Services: Mary Page
LIB 502H; 407-823-2575

University Libraries offers a variety of information resources and services. An extensive resource collection includes 2.3 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://infolt.ucf.edu, which provide just-in-time instruction for students on topics such as citing resources and plagiarism. Faculty can include the modules in coursework as well.

The Interlibrary Loan and Document Delivery Services Department (ILL/DDDS) assists students in obtaining materials not owned by the UCF Libraries. Most books and 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 the Circulation Desk. A workstation equipped with Jaws and Zoomtext software is available, as well as a Kurzweil reading machine. More information is available at http://library.ucf.edu/Services/DisabilityServices.asp.

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

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

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

Regional Campus Libraries collections and services are available through partner libraries in Cocoa, Palm Bay, Daytona Beach, Clermont, Sanford/Lake Mary, Ocala, Kissimmee, Leesburg, and Metro West. The university partners with local community colleges to provide complete information services. Two examples of Web sites customized for Regional Campus needs are the Services for Distance Learners page http://library.ucf.edu/Services/DistanceServices.asp and the Regional Campus Libraries page http://library.ucf.edu/BranchCampuses/Locations/. 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 library’s resources 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 state of the art faculty staff faculty can call upon to create multimedia materials for their teaching and research needs. OIR staff can provide project 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 facili- ties for university use, including thesis and dissertation commit- tee 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 baseball, basketball, golf, football, soccer, tennis. Women’s sports include basketball, cross-country, golf, rowing, soccer, softball, outdoor and indoor track and field, tennis, and volleyball.

**Graduation Rate Disclosure**

The completion or graduation rate is the rate at which full-time, 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 rivalry any in the country.

Nestled on the north side of the UCF Arena, The Venue at UCF Arena is a more intimate space showcasing established and up-and-coming 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.

**Campus Bookstores**

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

**John T. Washington Center Location**

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

**Knights Plaza Location**

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

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

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

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

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

UCF Foundation, Inc.

Associate Director of Donor Relations: Sean Helton
PVL 250; 407-882-1220
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.
International Studies
Director: Angel Cardec
MH 150, P.O. Box 163105, Orlando, FL 32816-3105;
407-882-2300, Fax: 407-882-0240
http://www.international.ucf.edu/OIS

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

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

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

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

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

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. They are available through OEL or through college departments. Reciprocal 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: Sherri Dressler
CS EL 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 credit. Internships usually occur during summers or toward the end of a student’s program of study and can be part-time (usually during the school year) or full-time (usually during summers). They are available through OEL or through college departments. Contact information for department internship coordinators is on the OEL 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-
tion 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 pursuing opportunities, referrals, and registration into experiential learning courses. To participate in service learning courses, students may select courses with an SL designation during the registration process. 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-Slowinski*

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 community service to community organizations in underserved areas.

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

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

**Division of Continuing Education**

*Assistant Vice President/Director: TBA*

University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260, Fax: 407-882-0244

http://www.ce.ucf.edu

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

**Off-Campus College Credit Programs**

*Assistant Vice President/Director: TBA*

University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260, Fax: 407-882-0244

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

**Institutes and Centers for Research**

**Center for Economic Education**

*Director: Robert L. Pennington*

BA2 303E; 407-823-2840

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: DIP@mail.ucf.edu

http://www.hospitality.ucf.edu/dick_pope.html

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.
Special Academic Programs and Research Institutes

**Florida-Canada Linkage Institute**
**Director:** Angel Cardec
407-8-23-3647, Fax: 407-882-0240
E-mail: fcli@mail.ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Florida 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.

**Florida-Eastern Europe Linkage Institute**
**Director:** Angel Cardec
407-8-23-3647, Fax: 407-882-0240
E-mail: eeli@mail.ucf.edu

The Florida-Eastern Europe Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between the countries in central and Eastern Europe and the State of Florida. The Institute, administered by the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs.

**Florida Solar Energy Center (FSEC)**
**Director:** James Fenton
1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000
E-mail: info@fsec.ucf.edu
http://www.fsec.ucf.edu

The Florida Solar Energy Center (FSEC) is the largest and most active state-supported energy research institute in the United States. Located on the Cocoa campus of UCF at Brevard Community College, FSEC has gained national and international respect for its programs on photovoltaics, solar thermal systems, energy-efficient buildings, advanced cooling 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
Florida Space Institute, Mail Stop: FSI, Kennedy Space Center, FL 32899; 321-452-9834, Fax: 321-452-4842
E-mail: jaydeep.mukherjee@ucf.edu
http://www.fsi.ucf.edu

The Florida Space Institute provides unique, practice-based educational opportunities, combined with resources to design, build, and test small satellites, instruments, and payloads. Using these resources FSI supports member schools and other educational and commercial customers, providing opportunities for student involvement in real-world space programs. FSI is a State of Florida 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 I. 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
Partnership II, 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300
E-mail: shumaker@ist.ucf.edu
http://www.ist.ucf.edu

The Institute for Simulation and Training (IST) was established to conduct research and develop technology that advances the state of the art in portable 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  
**E-mail:** nickersn@mail.ucf.edu

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

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

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

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

**Small Business Development Center (SBDC)**

**Regional Director:** Eunice Choi  
**E-mail:** echoi@bus.ucf.edu

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
- Management
- Accounting
- Marketing
- Technology
- Business Plan Development

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Xchange, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of PTAC and SBRN.
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 formulation, and institutional excellence.
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/Wednesday/Friday 9 a.m. to 5 p.m.

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

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

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

The Office of Undergraduate Admissions and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exceptions policy.

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

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

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

Reactivation
Students who have submitted an application for admission to UCF as a degree-seeking student and do not attend, may reactivate the original application within one year of the term for which they first applied. To update the application, students should complete the Reactivation Form by the published application deadline date. This form can be found online at http://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)
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) programming including 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.

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

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

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

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

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

Total Units 18

Undergraduate Catalog 2011-2012
Applicant Eligibility

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

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

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

*No minimum score required.

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

- Admission to the University is limited by space availability. The degree of competition for space depends on the number and qualifications of those who apply for admission. To increase the chance of admission, high school students should present credentials that are stronger than the minimum requirements for consideration as listed above. If the number of qualified applicants exceeds the number that the University is able to enroll, a waiting list will be established.
- A student applying for admission who does not meet established requirements may bring to the University other important attributes or special talents and may be admitted if, upon appeal and in the judgment of the Admissions and Standards Committee, the student can be expected to do successful academic work. The University will provide appropriate advising for each student admitted under this alternative.
- Students who have completed dual enrollment courses will be required to have a minimum "C" average (2.0 GPA) for all completed dual enrollment course work.
- A student must have two years of one foreign language in high school or the equivalent (minimum eight credit hours) at the post-secondary level, to be offered admission.

Dual Enrollment/Early Admit Applicants

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

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

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

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

Transfer Applicants

UCF welcomes transfer applications to the University. Students should apply online at http://www.admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The 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 unit entrance requirements, the high school academic GPA, and minimum SAT or ACT scores; have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. Meeting these minimum requirements does not guarantee admission.

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

Admission of Associate in Arts (A.A.) degree graduates from Florida public community colleges, Florida public state colleges, and Florida state universities will be governed by the Articulation Agreement between the state universities and public community colleges of Florida, as approved by the State Department of Education. The agreement states that except for limited access programs, admission as a junior to the upper division of the University shall be granted to any graduate of a state-approved Florida community college or State University System institution who transfers directly to UCF (see Rule 6A-10.024, which 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 wishes 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 procedure and must meet the same admission requirements as transfer applicants. Please see the details on the previous page for transfer applicants. Meeting minimum admission requirements does not guarantee admission.

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

International Applicants
The University of Central Florida is authorized under federal law to enroll students on non-immigrant visas. All international candidates applying for admission to UCF must submit a University of Central Florida Undergraduate Admissions Application online at http://www.admissions.ucf.edu. Because of anticipated 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
  - World Education Services
  - http://www.jsilny.com
  - http://www.wes.org
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
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)
arizontally, before March 1, to determine eligibility. The FAFSA results
are required for many programs. The federal processor, using a stan-
dardized 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 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.

### 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 factors such as contingent admission status, less than minimum hours enrolled, lack of academic progress, changes needed due to Verification, incomplete files, additional resources, etc.

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

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

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

### Deferrals of Tuition and Fees

Financial aid awards will normally result in a deferment of tuition and fee payments. Deferments allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three weeks after the term begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments are also subject to change. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. To have access to 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.

### Estimated Cost of Attendance for 2011-2012

#### Undergraduate Students

**Fall/Spring based on 14 hours per term**

<table>
<thead>
<tr>
<th>Living Arrangement</th>
<th>Florida Residents</th>
<th>Non-Florida Residents</th>
</tr>
</thead>
<tbody>
<tr>
<td>On/Off Campus</td>
<td>Parent/Relative</td>
<td>On/Off Campus</td>
</tr>
<tr>
<td><strong>Tuition and Fees</strong></td>
<td>$4,518</td>
<td>$19,832</td>
</tr>
<tr>
<td>Books</td>
<td>$4,518</td>
<td>$4,518</td>
</tr>
<tr>
<td>Room &amp; Board</td>
<td>$4,450</td>
<td>$4,518</td>
</tr>
<tr>
<td>Transportation</td>
<td>$1,800</td>
<td>$1,800</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>$2,276</td>
<td>$2,276</td>
</tr>
<tr>
<td><strong>Total Costs</strong></td>
<td><strong>$18,092</strong></td>
<td><strong>$33,406</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>On/Off Campus</th>
<th>Parent/Relative</th>
<th>On/Off Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuition and Fees</strong></td>
<td>$13,968</td>
<td>$29,282</td>
</tr>
<tr>
<td>Books</td>
<td>$4,518</td>
<td>$4,518</td>
</tr>
<tr>
<td>Room &amp; Board</td>
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<tr>
<td><strong>Total Costs</strong></td>
<td><strong>$29,282</strong></td>
<td><strong>$43,406</strong></td>
</tr>
</tbody>
</table>
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>Classification</th>
<th>Maximum UCF Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>All Freshman</td>
<td>100 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Sophomores</td>
<td>180 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Juniors</td>
<td>135 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Seniors</td>
<td>90 Attempted UCF Hours</td>
</tr>
<tr>
<td></td>
<td>45 Attempted UCF Hours</td>
</tr>
<tr>
<td>Second Degree</td>
<td>60 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist</td>
<td>100 Attempted Hours (Including all Graduate Hours)</td>
</tr>
<tr>
<td>Degree-Seeking</td>
<td></td>
</tr>
<tr>
<td>Doctoral</td>
<td>120 Attempted Hours (Including all Graduate Hours)</td>
</tr>
</tbody>
</table>

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

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

To appeal, the student must:

- 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 currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a Veteran of the U.S. Armed Forces. (“Veteran” includes students who attended a U.S. Service Academy and who were released under a condition other than dishonorable.)
- at age 13 or older, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless;
- you were determined, by the director of an emergency shelter program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless; or,
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless.
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.
2010-2011 Fee Schedule*

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident (0000-4999)</th>
<th>Florida Resident (5000-7999)</th>
<th>Non-Florida Resident (0000-4999)</th>
<th>Non-Florida Resident (5000-7999)</th>
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<tbody>
<tr>
<td><strong>Tuition</strong></td>
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<td>$95.67</td>
<td>$256.56</td>
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<td><strong>Differential Tuition</strong></td>
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<td>$15.88</td>
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</tr>
<tr>
<td><strong>Out-of-State</strong></td>
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<tr>
<td><strong>Building Fee</strong></td>
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<td>$2.32</td>
<td>$2.32</td>
<td>$2.32</td>
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<tr>
<td><strong>Capital Improvement Fee</strong></td>
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<td>$2.44</td>
<td>$2.44</td>
<td>$2.44</td>
</tr>
<tr>
<td><strong>Financial Aid Fee</strong></td>
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<td>$12.82</td>
<td>$4.78</td>
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<tr>
<td><strong>Non-Resident Financial Aid Fee</strong></td>
<td>0.00</td>
<td>0.00</td>
<td>$24.57</td>
<td>$37.74</td>
</tr>
<tr>
<td><strong>Activity and Service Fee</strong></td>
<td>$10.79</td>
<td>$10.79</td>
<td>$10.79</td>
<td>$10.79</td>
</tr>
<tr>
<td><strong>Athletic Fee</strong></td>
<td>$12.98</td>
<td>$12.98</td>
<td>$12.98</td>
<td>$12.98</td>
</tr>
<tr>
<td><em><em>Health Fee</em> (per hour)</em>*</td>
<td>$9.52</td>
<td>$9.52</td>
<td>$9.52</td>
<td>$9.52</td>
</tr>
<tr>
<td><strong>Transportation Access Fee</strong></td>
<td>$8.19</td>
<td>$8.19</td>
<td>$8.19</td>
<td>$8.19</td>
</tr>
<tr>
<td><strong>Technology Fee</strong></td>
<td>$4.78</td>
<td>$12.82</td>
<td>$4.78</td>
<td>$12.82</td>
</tr>
<tr>
<td><strong>Total Per Hour Fees</strong></td>
<td>$167.35</td>
<td>$328.44</td>
<td>$683.33</td>
<td>$1121.14</td>
</tr>
</tbody>
</table>

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

2010-2011 Repeat Course Schedule*

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident (0000-4999)</th>
<th>Florida Resident (5000-7999)</th>
<th>Non-Florida Resident (0000-4999)</th>
<th>Non-Florida Resident (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuition</strong></td>
<td>$95.67</td>
<td>0.00</td>
<td>$95.67</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Differential Tuition</strong></td>
<td>$15.88</td>
<td>0.00</td>
<td>$15.88</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Non-Resident Fee</strong></td>
<td>0.00</td>
<td>0.00</td>
<td>$491.41</td>
<td>$754.98</td>
</tr>
<tr>
<td><strong>Building Fee</strong></td>
<td>$2.32</td>
<td>0.00</td>
<td>$2.32</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Capital Improvement Fee</strong></td>
<td>$2.44</td>
<td>0.00</td>
<td>$2.44</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Financial Aid Fee</strong></td>
<td>$4.78</td>
<td>0.00</td>
<td>$4.78</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Non-Resident Financial Aid Fee</strong></td>
<td>0.00</td>
<td>0.00</td>
<td>$24.57</td>
<td>$37.74</td>
</tr>
<tr>
<td><strong>Activity and Service Fee</strong></td>
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<td>$10.79</td>
<td>0.00</td>
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<tr>
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<td>$12.98</td>
<td>0.00</td>
</tr>
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<td><strong>Health Fee</strong></td>
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<td>0.00</td>
<td>$9.52</td>
<td>0.00</td>
</tr>
<tr>
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<td>0.00</td>
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<td>0.00</td>
</tr>
<tr>
<td><strong>Technology Fee</strong></td>
<td>$4.78</td>
<td>0.00</td>
<td>$4.78</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Repeat Course Fee</strong></td>
<td>$163.38</td>
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<td>$163.38</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Total Per Hour Fees</strong></td>
<td>$530.73</td>
<td>$8.00</td>
<td>$846.71</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

Other Fees: Resident and Non-resident*

- **Distance Learning Course Fee** (per hour): $18.00
- **UCF Campus Card Fee** (per academic year): $10.00
- **Campus (ID) Card Replacement Fee**: $15.00
- **Material and Supply Fee** (per term; approved courses only – varies per course): $5.00-$45.00
- **International Student Service Fee** (per term): $50.00
- **Repeat Course Fee** (per hour): $163.38
- **Equipment Fee** (per term, for use of equipment): up to: $90.00**

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

Note: 2011-2012 tuition and fees were not available at the time of this publication. Rates for the 2011-2012 academic year will be available in early July 2011.

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 Enrolment 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- tion.
  - Payments made at any time on the day of the published fee pay- ment deadline through 11:59 P.M. Eastern Standard Time will be considered on time.

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

Mail paid 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 FPP 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/supplies 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. 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 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 employed on sabbatical, professional development, required 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 “Employee Tuition Waiver Program” form, policy and instructions from either the Human Resources website at http://www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf or the Registrar’s Office website at http://registrar.ucf.edu/forms/employee_waiver/. Students are encouraged 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, including documentation well in advance 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 http://my.ucf.edu and click on Student Self Service. Go to the Student 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

Be a person who was enrolled as a Florida resident for:

- Be a dependent and have lived five years with an adult related to the individual that tends to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual;
- Proof of continuous presence in Florida during periods when not enrolled as a student;
- Proof of former domicile in Florida and maintenance of significant connection while absent;
- Proof of reliance upon Florida sources of support;
- Proof of domicile in Florida of family;
- Proof of admission to a licensed practicing profession in Florida;
- Any other factors peculiar to the individual that tend to establish that the individual is a bona fide Florida resident,
- Proof of graduation from a high school located in Florida;
- No contrary evidence establishing residence elsewhere;
- Documentation of dependent/independent status (notarized copy of most recent IRS tax return)

Or be a member of the Armed Forces on active duty stationed in Florida, or a spouse or dependent;

Or be a member of the full-time instructional or administrative staff of a state public school, community college, or university in Florida, a spouse or dependent, and active drilling members of the Florida National Guard,

Or Military Personnel (and spouse/dependent children) not stationed in Florida whose home of record or state of legal residence certificate is Florida,

Or be a dependent and have lived five years with an adult relative, who has established legal residence in Florida,

Or be a person who was enrolled as a Florida resident for tuition purposes at a Florida institution of higher education, who has completed 12 consecutive months of college work at the Florida State University Panama Canal Branch, or a spouse or dependent,

Or be a United States citizen living on the Isthmus of Panama who has completed 12 consecutive months of college work at the Florida State University Panama Canal Branch, or a spouse or dependent,

Or be a graduate student of the Southern Regional Education Board’s Academic Common Market attending Florida’s state universities,

Or be a full-time employee of a state agency or political subdivision of the state whose fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training,

Or be a U.S. Citizen who is a McKnight Doctoral Fellowship recipient,

Or be a qualified beneficiary under the Florida Pre-paid Post-secondary Expense Program per s.240.551(7)(a),

Or be an active duty member of the Canadian military residing or stationed in this state under the North American Air Defense (NORAD) agreement, or a spouse or dependent.

Residency Reclassification

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

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

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

Students seeking residency reclassification should understand that living in or attending college in Florida does not automatically establish residency in Florida for tuition purposes. The student who comes to Florida to enroll in a Florida post-secondary educational institution as an out-of-state resident and continuously enrolls in a Florida institution normally will not meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled. Living or attending schools in Florida merely evidences physical presence in the state. 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 for 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.
Division of Student Development and Enrollment Services (SDES)

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

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

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

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

The division is comprised of the following areas:

Academic Services for Student-Athletes (ASSA)
Director: 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.
Division of Student Development And Enrollment Services

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.ucfministries.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: counseling.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 UCF 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 components 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 by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registering for classes. Students register for the program by visiting the First Year 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 fraternal experiences that reinforce the organization's founding principles: scholarship, community service, campus involvement, and group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council (PAN), Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

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

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

Health Services (HS)
Director: J. Robert Wirag
HC 309; 407-823-2094
http://www.hs.ucf.edu

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

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

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

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

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

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

The UCF Pharmacy and Knight Aide are state-of-the-art facilities, staffed with pharmacists passionate about patient education and providing excellent customer service. Patients are individually coun- selled 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.

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

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

The Department of Housing and Residence Life offers regularly enrolled single students paying registration fees for a minimum of nine credit hours housing on the Orlando main campus and the Rosen College of Hospitality Management campus. Orlando main campus housing is reserved for mostly incoming first-year students. A limited amount of space is available for upper-class students. Married and family student housing is not available. All classes of students are 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 a minimum of 3,000 on-campus housing for all first-year students who apply. Therefore, those first-year students desiring to live on-campus should apply as soon as possible. Application periods include Fall/Spring academic year agreements with a separate application for Summer or 11.5 month annual agreement.

Housing choices range from suite style residence halls to single bedrooms in apartments. Most first-year students who apply for academic year 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.
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 102; 407-823-2716
http://www.mass.sdes.ucf.edu

The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the retention, and graduation of multicultural and First Generation College Students. MASS offers personalized advising and support, monitors academic progress, sponsors a six-week summer program, Seizing Opportunities for Achievement and 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 (OCCS-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 OCCS-SNR provides listings of off-campus apartments and/or resources for students needing to find roommates, storage, sublease, transportation, and furniture rental information. OCCS-SNR also provides UCF students who live off campus with information regarding a variety of on-campus programs and services. OCCS-SNR fosters a supportive environment for off-campus students by providing an advocacy for resolving problems, “on the spot” or through campus referrals, and exploring other available resources for students. 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 responsibility, the importance of law 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 Dullaghan*

FC 142; 407-823-2538
http://www.sls.sdes.ucf.edu

Student Legal Services provides students with advice and consultation, including court representing, 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.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.
Division of Student Development And Enrollment Services

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 Greenis
9907 Universal Blvd., Suite 204-F, Orlando, FL 32819; 407-903-8150

Student’s campus life needs are met at the Rosen College of Hospitality Management campus through the Student Life office. 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; 407-823-3376
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 toward 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 (TTY/TDD calls 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.

UNIVERSITY OF CENTRAL FLORIDA
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 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://slld.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 the leadership 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 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 Café, 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, Lab Services, CAPS, Campus Map Services, ATMS, Test Services, 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. Stinar
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); K/N Predictor, and Test of Essential Academic Skills (TEAS).

UTC administers the following national standardized examinations:

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

Upward Bound Program
Director: Rebekah McCloud
PH 208; 407-823-5995
E-mail: rebekah.mcloud@ucf.edu
http://www.upwardbound.sdes.ucf.edu

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

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

The Veterans Academic Resource Center (VARC) recognizes and supports student veterans as they transition from military to student life. The VARC, a unit of the Registrar’s Office, is a collaboration among the offices of Career Services, the Counseling Center, Student Academic Resource Center, Student Disabilities Services, 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 Deferral 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...
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

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

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<th>Program (Major) Requirements</th>
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Transfer and Transition Services

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

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

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

When Do I Pay My Bill?

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

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

Can Transfer Students Participate in The Burnett Honors College?

Qualified students who transfer to UCF with an honors A.A. from a Florida public community college that has signed an articulation agreement with The Burnett Honors College will be admitted into University Honors with junior standing. Community college transfers and other students who have completed their general education requirements may participate in the Honors in the Major program by completing a minimum of 3 hours of departmental honors requirements, including an original research project. Transfer students who apply for admission to departmental honors programs must have a minimum GPA of 3.5 in their major. Successful completion of either honors program will be noted on your transcripts and diploma. For more information, call 407-823-2076 or visit the honors website at http://honors.ucf.edu.

Transfer Tips:

Office Visits for Transfer Advising

- Students are encouraged to contact Transfer and Transition Services with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday and Thursday, 8:30 a.m. to 5:30 p.m., Tuesday, Wednesday, and Friday 8:30 a.m. to 4:30 p.m.
- Transfer students accepted to UCF who are undeclared majors or are undecided about their major should contact Transfer and Transition Services prior to Orientation for advisement.
- Undeclared students with 45+ credit hours are placed on advising hold.

Students should:

- Submit your application at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted “contingent upon completion of the A.A.” if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
- Complete the “Student Health Form.” Registration is not allowed without the completion and approval of this form.
- Complete CLAS if possible; however, you can be admitted without it. Since the A.A. is not awarded without completion of CLAS, privileges provided by the A.A. are not granted (i.e., grade forgiveness, Gordon Rule, and the completion of general education requirements). Without completion of CLAS, but 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 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 experience. For any information about the first year advising offices and their services, please see the “Student Development and Enrollment Services” chapter of this Undergraduate Catalog.
3. Participate in programs and advising activities that will promote a successful transition from high school to the university.
4. Transition to an academic advising office within the college of the student’s chosen major after the completion of his or her first year.

The Burnett Honors College

New students will:

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

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

College of Arts and Humanities

 Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other issues. CAHSA is located in Colburn 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.

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

New students will:
1. Meet college advising representatives in a group setting during Orientation to discuss college policy, procedures, and degree programs;
2. Review degree requirements at Orientation using the Degree Audit and CBA literature to better understand degree requirements and a Degree Audit;
3. Meet with an academic advisor in the Office of Undergraduate Student Support (US; 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 courses (once the class schedule is available) through myUCF at https://my.ucf.edu;
5. Register at the scheduled appointment time in myUCF, or in person in the CECS Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering 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 (USS; BA2 115) during the first few months of the first term to be advised toward the major.

Continuing students will:
1. See the COHPA Undergraduate Student Services (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 Advising (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; and,
4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time. Complete all schedule changes by the end of the published add period;
6. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the Office of Student Services and Advising (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 curriculum 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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Course Code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Biological Sciences</td>
<td>BSC 2010C, 2011C*</td>
</tr>
<tr>
<td>Genetics</td>
<td>PCB 3063</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>CHM 2045C, 2046, 2046L</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>CHM 2210, 2211, 2211L</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>BCH 4053</td>
</tr>
<tr>
<td>Biochemistry/Molecular Lab</td>
<td>BCH 4103L or BSC 3403C</td>
</tr>
<tr>
<td>Microbiology</td>
<td>MCB 3020C</td>
</tr>
<tr>
<td>Calculus</td>
<td>MAC 2253 (prefer MAC 2311, 2312</td>
</tr>
<tr>
<td>Physics</td>
<td>PHY 2053C, 2054C or PHY 2048, 2049</td>
</tr>
<tr>
<td>Statistics</td>
<td>STA 2023</td>
</tr>
</tbody>
</table>

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

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

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

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

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

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

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

Rosen College of Hospitality Management

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

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

Regional Campus System
http://regionalcampuses.ucf.edu

New transfer students are given the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF and at any time while enrolled to discuss programs and requirements. Students are asked to meet in a pre-advising session prior to Orientation to determine if the student is a Regional Campus or Orlando Campus student. Orlando Campus students are asked to attend Orientation on the Orlando Campus with the College of their choice. Regional Campus students are required to attend 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 mid-term for the Fall semester and Summer and Fall Registration begins following the mid-term 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 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 class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; or

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

Undergraduate Enrollment Status

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

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

Credit Hour Limits
Undergraduate students are limited to 14 credit hours for the Spring and Fall semesters and to 17 credit hours for the Summer semester. 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 the hold is required before a release can be given. Students may check for holds on the myUCF system at https://my.ucf.edu under the Student Self Service link. To obtain a release for financial holds, payment to the Cashier’s Office must be made either in cash, credit card, cashier’s check, or money order.

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make changes to their class schedule as outlined (as listed in the “Academic Calendar”). Drop/Swap or Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices. After the Drop-Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/Swap or Add period may be dropped the next business day in the Registrar’s Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade.

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

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

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 “Student Audit Form,” 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.

State of Florida Employee & UCF Employee Registration
State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available only basis on the last day of registration each term at the time specified on the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. For waiver eligibility and application information, see “Tuition Waivers” within “Financial Information” of the Undergraduate Catalog.

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

Programs using the Limited Non-Degree Seeking status include:
- High school Dual Enrollment
- Soldiers-to-Scholars
- Continuing Education
- Regional Campuses
- Off-campus credit
- Teacher Certification or re-certification

Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:
1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification;
2. Students who have been previously denied admission or disqualified for enrollment are not eligible;
3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students;
4. Registration is permitted on a space-available basis;
5. A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student;
6. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from enrolling without admission to a degree or certificate program;
7. Limited Non-degree students are not eligible to receive financial aid or to participate in intercollegiate sports; and,
8. Students must complete a Limited Non-Degree Seeking Status Registration Form.
Students registering in this category should be aware of the limitations of this status, and are encouraged to apply for regular admission to the University.

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

State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is on a first-come, first-served basis during the last 20 semester 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 wishes 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/mail to the Registrar’s Office (MH 161), by the published 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 Application 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 department, school, and college advising office is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-SUS Institution

A UCF degree-seeking student desire 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 of the Department Chair of his/her respective college or school. Permanent 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. Students 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 online. Requests are usually ready the same day, seven days a week, National Student Clearinghouse Customer Service is available at 1-703-742-4200, Monday - Thursday, 9:00 a.m. - 7:00 p.m., & Friday, 9:00 a.m. - 5:00 p.m., ET.
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 unit head who will notify the University Registrar that the student shall not be withdrawn from the course in question. Only a written release from the authorized party deciding a student appeal will permit withdrawal. However, if the student appeals the academic action and desires to withdraw from the course, the process shall be initiated by the student immediately in the normal University manner. Such withdrawal requests will be held in abeyance until a ruling on an appeal is obtained. If resolved in favor of the student, the withdrawal request will be processed at the time. The individual empowered to rule on the student appeal shall appropriately notify both the University Registrar and the Director of the Office of Student Rights and Responsibilities or designee of the outcome. For additional information regarding Academic Behavior Violations, see the current Golden Rule (http://www.goldenrule.sdes.ucf.edu).

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points Per Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>A+</td>
<td>3.25</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
</tr>
<tr>
<td>C+</td>
<td>2.25</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.75</td>
</tr>
<tr>
<td>D+</td>
<td>1.25</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
</tbody>
</table>

NC - No Credit
*Available only in CHM 1032, CHM 2045C, CHS 1440, ENC 1101, ENC 1102, MAC 1105H, MAC 1105, MAC 1114, MAC 1140, MAC 2147, MAC 2243, 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-.

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

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

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

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

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

1) Multiply the number of credit hours per course by the number of grade points per grade. Then add each amount to arrive at the total number of grade points earned for that term:
   - Course #1 B+ 3 credit hours X 3.25 grade points = 9.75
   - Course #2 A- 3 credit hours X 3.75 grade points = 11.25
   - Course #3 A 4 credit hours X 4.00 grade points = 16
   - Course #4 B 3 credit hours X 3.00 grade points = 9
   = 13 credit hours = 46 total grade points

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

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

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

Grade Change
A grade change is the change of any originally assigned grade to another grade, including grades of “I” and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade changes other than medical withdrawals will be considered only during the term immediately following the one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school. A grade will not be changed after a degree has been conferred.

The Registrar will change a student’s academic status if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

Grade Reports
Grades are available from myUCF at https://my.ucf.edu or 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)
responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-5896.

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

Classroom Responsibility
Students are responsible for maintaining classroom decorum appropriate to the educational environment. When the conduct of a student or group of students varies from acceptable standards and becomes disruptive to normal classroom procedures, the instructor has the authority to remove the offending party from the room and refer the student to the Office of Student Conduct (FC 142) for disciplinary action. In the event of academic dishonesty, faculty members may assign a Z in front of a final course grade on a student's academic record. For further information regarding the addition, removal and appeals process of the Z designation, see http://z.ucf.edu/.

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

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

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

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

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

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

**Freshman**: 0-29 credit hours

**Sophomore**: 30-59 credit hours

**Junior**: 60-89 credit hours

**Senior**: 90 or more credit hours, prior to completion of baccalaureate requirements

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

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

Other Student Classifications:

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

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

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

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

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

**Academic Honors**

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

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

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

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

1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
2. Attain at least a 3.20 overall grade point average; and,
3. Honors awarded will be:

   **Summa Cum Laude** for those students in the upper 2.5 percent
   **Magna Cum Laude** for those students in the upper five percent, but not in the upper 2.5 percent
   **Cum Laude** for those students in the upper 10 percent, but not in the upper five percent
Grade Forgiveness
Grade Forgiveness offers a student the opportunity to retake a course and earn a second grade that will be substituted for the previous grade. You may apply for Grade Forgiveness online at https://my.ucf.edu > Student Self Service > Student Center. Requests must be submitted no later than the withdrawal deadline for the term/session in which the student has registered for the course being repeated. Consult the web calendar at http://www.registrar.ucf.edu/calendar/academic/. The following policies apply:
1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student’s official transcript. The original course grade will be marked with a “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 calculate both grades;
7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida Public Community College or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida Public Community College or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e., academic proba- tion or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once and;
11. With prior approval from the Dean's office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).
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 suspension. 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 and one appeal per 12-month period following the disqualification period.

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

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

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

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

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

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

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

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

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

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

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

Academic Amnesty Program
Effective Fall 2004, the Academic Amnesty Program provides under-
graduate students who are not eligible for readmission for academic reasons the opportunity to readmit to UCF after five or more years of separation. This program allows the student to nullify up to two con-
secutive terms worth of UCF coursework from his or her UCF grade point average. Students 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 calcul-
ating 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 stu-
dent must:
1) Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college advising office. This plan will include the following:
   a. The specific terms of the student’s academic history to be nullified by satisfactory completion of the Academic Amnesty Program;
   b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;
   c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring,required tutoring or academic support services, etc.); and,
   d. Complete and submit an Academic Amnesty Agreement to the Administration 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 proba-
tion, 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 commit-
tee 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 the legal name change document (e.g., marriage cer-
tificate, divorce decree, etc.). Undergraduate students must submit the form to the Registrar’s Office (MH 161). Graduate students must submit the form to the Graduate Studies Office (MH 230). Current UCF employees and those students who have been UCF employees within 12 months of the date the name change is requested must submit the form to the Human Resources Office (12565 Research Parkway). The “Change of Name” form is available from the Registrar’s Office at MH 161 or online at http://www.registrar.ucf.edu.

Address and E-mail Changes
The student’s address is initially obtained from the “Application for Admission or Readmission.” It is the students’ responsibility to make appropriate changes to the address online at myUCF as they occur. Address and e-mail changes also can be made by writing the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114 or fax to 407-823-5652. Written requests must be signed and the student identification number provided.
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 payment can be accepted only by the Cashier’s Office during that office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail written requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. Requests require at least 2 business days to process. Transcripts not claimed with 30 days of printing will be discarded and must be reordered. A $10.00 per reordered transcript fee must be submitted with the reorder request. Grades are available from myUCF at https://my.ucf.edu.

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

Exemptions to the third attempt surcharge will be considered through a Fee Appeal Process.

Exceptions to the repeat course fee requirement shall be based 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 “Undeclared” or “Undecided” major also 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/concentration within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “Pending” category to the equivalent major (e.g., “Business Pending” to “Accounting”). If the new major is a different subject from the “pending” major (e.g., “Business Pending” to “History”), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residency, students entering UCF in an “Undeclared” or “Undecided” category may retain their Catalog when initially selecting a major. The “Undergraduate Major Change Form” is available at the college and school advising offices of from the Registrar’s Office website at http://www.registrar.ucf.edu. Forms may be submitted in person to the college/school advising offices, by mail, or in person to the Registrar’s Office (MH 161). Requests must include the student’s identification number and signature.

Minors
A Minor is a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field. A student may declare a minor at any point during the first term of enrollment up to but no later than the online submission of the online “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from a single UCF Undergraduate Catalog for which a student is eligible. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. The “Undergraduate Minor Declaration/Change Form” is available at the college and school advising offices. Forms may be submitted in person to the college/school advising offices or by mail or in person to the Registrar’s Office (MH 161). Requests must include the student’s identification number and signature.

Undergraduate Certificates
An undergraduate Certificate is a supplement to the bachelor’s degree program/major. Certificates are optional. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate Certificate, and a Certificate will only be granted together with completion of a UCF baccalaureate degree. All graduation requirements (i.e. the certificate and major/minor) must be from the same UCF Undergraduate Catalog for which a student is eligible. The Undergraduate Certification form is available at the college advising offices.

Student Records
Student records submitted become the property of the University and cannot be returned to the student or released to a third party. Copies of student records will be released only upon receipt of a written request signed by the student. Student records are stored on 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 current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing;

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

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

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.

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

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

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

Advanced Placement Program (AP) (see table below)

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

Advanced Placement Language (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2220) 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

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.

### ADVANCED PLACEMENT (AP)

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<th>Exam</th>
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<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score of 5</th>
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<td>CHM 2045C or CHM 2045C and CHM 2045 and 2045L</td>
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<td>Government and Politics: Comparative</td>
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<td>PHY 2048C</td>
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<td>PHY 2048C</td>
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<td>United States History: AMH 1000</td>
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### INTERNATIONAL BACCALAUREATE

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<td>Biology</td>
<td>BSC 1005/1005L</td>
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<td>BSC 1005/1006L and BSC 2010C</td>
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<td>Chemistry</td>
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<td>CHM 1020/1020L and CHM 2045C</td>
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<td>Computer Science</td>
<td>CGS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1078 and 1906</td>
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<td>Design Technology</td>
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<td>ECO 2013 and 2023</td>
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<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
<td>EVR 1017 and 1906</td>
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<td>English A1</td>
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<td>ENC 1101 and 1102</td>
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<td>Environmental Systems</td>
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<td>ISC 1050 and 1906</td>
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<td>Film Studies</td>
<td>FIL 1001</td>
<td>FIL 1001 and 1002</td>
<td>FIL 1001 and 1002</td>
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<td>French</td>
<td>FRE 1121</td>
<td>FRE 1121 and 2200</td>
<td>FRE 1121C and 2200</td>
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<td>Further Mathematics (Advanced Mathematics)</td>
<td>MHC 1202</td>
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<td>MHC 1202 and 1209</td>
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<td>GEO 1200 and 1400</td>
<td>GEO 1200 and 1400</td>
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<td>History</td>
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<td>WOH 1030 and WOH 1999</td>
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<td>MAC 1105 and 1140</td>
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<td>MAC 1147 and 2233</td>
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<td>MUL 2010 and HUM 1906</td>
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<td>ART 1012 and 1906</td>
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*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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<td>Accounting, Principles of</td>
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<td>Algebra, College</td>
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<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 2147</td>
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<td>American Government</td>
<td>POS 2041</td>
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<td>American Literature</td>
<td>AML 1000</td>
<td>CUL &amp; HIS Found 2</td>
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<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
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<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
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<td>Calculus</td>
<td>MAC 2233</td>
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<td>Chemistry, General</td>
<td>CHM 1020</td>
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<td>College Composition</td>
<td>ENC 1101 and ENC 1102</td>
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<td>Educational Psychology, Introduction to</td>
<td>EDP 1002</td>
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<td>English Composition with Essay</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
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<td>English Literature</td>
<td>ENL 1000</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>French Language</td>
<td>FRE 1120C</td>
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<td>German Language</td>
<td>GER 1120C</td>
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<tr>
<td>History of the United States I: Early Colonizations to 1877</td>
<td>AMH 2010</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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<tr>
<td>History of the United States II: 1865 to Present</td>
<td>AMH 2020</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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<td>Human Growth and Development</td>
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<td>Humanities</td>
<td>HUM 2230</td>
<td></td>
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<tr>
<td>Information Systems and Computer Applications</td>
<td>CGS 1077</td>
<td>MAT Found 2</td>
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<tr>
<td>Macroeconomics, Principles of</td>
<td>ECO 2013</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Management, Principles of</td>
<td>MAN 2021</td>
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<td>Marketing, Principles of</td>
<td>MAR 2011</td>
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<td>MGF 1106</td>
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<td>Microeconomics, Principles of</td>
<td>ECO 2023</td>
<td>SOC Found 1</td>
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<td>Precalculus</td>
<td>MAC 1140</td>
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</tr>
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<td>PSY 2012</td>
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<td>Sociology, Introductory</td>
<td>SYG 2000</td>
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<tr>
<td>Spanish Language</td>
<td>SPN 1120C</td>
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<td>Trigonometry</td>
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<td>MAT Found 1</td>
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<td>Western Civilization I: Ancient Near East to 1648</td>
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<td>CUL &amp; HIS Found 1 or 3</td>
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<td>Western Civilization II: 1648 to Present</td>
<td>EUH 2001</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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</table>
mum of two semesters (min. 6 credits) of Elementary Language II and Intermediate Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

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

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

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

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

Awarding of CLEP credit is subject to the conditions listed below.
- Credit may be awarded in the CLEP subject examination area, provided the student: a) is not within 60 credit hours of graduation; b) has not previously received comparable college course credit in the CLEP examination area; c) does not receive comparable college credit in the CLEP examination area in the same term the examination is taken or in a subsequent term; d) has not previously completed, failed, 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>
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<tbody>
<tr>
<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
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<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
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</tr>
<tr>
<td>Art and Design (AS-Level)</td>
<td>ART 1906</td>
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<tr>
<td>Art and Design (A-Level)</td>
<td>ART 1906 and ART 1907</td>
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<tr>
<td>Biology (AS-Level)</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
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<tr>
<td>Biology (A-Level)</td>
<td>BSC 2010C and BSC 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 2011</td>
<td></td>
</tr>
<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>
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<tr>
<td>Classical Studies (AS-Level)</td>
<td>CLA 1010</td>
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<tr>
<td>Chemistry (A-Level)</td>
<td>CHM 1020C and CHM 2045C</td>
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<td>Computing (AS-Level)</td>
<td>CGS 1073</td>
<td>MAT Found 2</td>
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<td>Computing (A-Level)</td>
<td>CGS 1073 and CGS 1074</td>
<td>MAT Found 2</td>
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<tr>
<td>Design &amp; Technology (AS-Level)</td>
<td>ETI 1482C</td>
<td>SCI Found 1</td>
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<td>Design &amp; Technology (A-Level)</td>
<td>ETI 1482C and ETI 1906</td>
<td>SCI Found 1</td>
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<tr>
<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
<td>SCI Found 1</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 or ENC 1102</td>
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<tr>
<td>English - Literature in English (A-Level) # ENC 1101 or ENC 1102</td>
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<td>Environmental Management (AS-Level)</td>
<td>EVR 1001C</td>
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<td>French Language (AS-Level)</td>
<td>FRE 1121</td>
<td>SCI Found 1</td>
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<td>French Language (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
<td>SCI Found 2</td>
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<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
<td>SCI Found 2</td>
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<tr>
<td>General Paper</td>
<td>IDS 1110</td>
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<td>Geography (AS-Level)</td>
<td>GEA 1000</td>
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<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
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<tr>
<td>German Language (AS-Level)</td>
<td>GER 1121</td>
<td>SCI Found 2</td>
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<tr>
<td>German Language (A-Level)</td>
<td>GER 1121 and GER 2200</td>
<td>SCI Found 2</td>
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<td>History (AS-Level)</td>
<td>HIS 1106 (3 credits)</td>
<td>Subject to review by History Dept</td>
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<tr>
<td>History (A-Level)</td>
<td>HIS 1106 (6 credits)</td>
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<tr>
<td>Latin (AS-Level)</td>
<td>LAT 1121C</td>
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<td>Marine Science (AS-Level)</td>
<td>OCE 1001</td>
<td>SCI Found 1</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>
<td>MAC 1147</td>
<td>SCI Found 1</td>
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<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
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<tr>
<td>Music (AS-Level)</td>
<td>MUH 1001</td>
<td>SCI Found 1</td>
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<tr>
<td>Music (A-Level)</td>
<td>MUH 1001 and MUH 2011</td>
<td>SCI Found 1</td>
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<tr>
<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
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<td>Physics (A-Level)</td>
<td>PHY 2035C and 2054C</td>
<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>SCI Found 2</td>
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<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish Language (A-Level)</td>
<td>SPN 2230 and SPN 2231</td>
<td>SCI Found 2</td>
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<td>Spanish Literature (AS-Level)</td>
<td>SPW 3100</td>
<td>SCI Found 2</td>
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<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103</td>
<td>SCI Found 2</td>
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<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and PHI 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000</td>
<td>SCI Found 2</td>
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<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and HFT 1906</td>
<td>SCI Found 2</td>
</tr>
</tbody>
</table>

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

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

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

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

DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
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<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
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<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
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<tr>
<td>Business Law II</td>
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<td>Business Math</td>
<td>QMB 1001</td>
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<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
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<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
<td></td>
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<tr>
<td>Ethics in America</td>
<td>PH1630</td>
<td></td>
<td>46</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
<td></td>
<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>
<td>SOC Found 2</td>
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<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
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<td>48</td>
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<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
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<td>Human Resources Management</td>
<td>MAN 1300</td>
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<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
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<tr>
<td>Intro to Computing</td>
<td>CGS 1060</td>
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<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
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<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
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<tr>
<td>Introduction to Business</td>
<td>GEB 2011</td>
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<td>46</td>
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<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
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<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
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<td>Management Information Systems</td>
<td>ISM 1000</td>
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<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
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<td>Organizational Behavior</td>
<td>INP 1002</td>
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<td>Personal Finance</td>
<td>FIN 1100</td>
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<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
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<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
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<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
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<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>COM Found 3</td>
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<tr>
<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2</td>
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<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<td>Rise and Fall of the Soviet Union</td>
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<td>Technical Writing</td>
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<tr>
<td>The Civil War and Reconstruction</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>
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<td>English Composition</td>
<td>ENC 1101</td>
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<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</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>
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<td>Microbiology</td>
<td>MCB 1000</td>
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<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
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</tbody>
</table>
Requirements for Graduation

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

- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a “C” average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 39 hours in regular courses at UCF. Credit by Examination may not be used to satisfy this requirement;
- Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require 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. 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 as defined by 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, historic 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 Education Requirements

### General Education Program (GEP) Courses (36 credit hours required)
(Optional major requirements and advisor.)

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

**A. Communication Foundation**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II PR/ENC 1101</td>
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</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SPC 1603</td>
<td>Fundamentals of Technical Presentation</td>
<td>3(3,0)</td>
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<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
<td>3(3,0)</td>
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</table>

**B. Cultural and Historical Foundation**

<table>
<thead>
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<th>Course Title</th>
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<tr>
<td>EUR 2000</td>
<td>Western Civilization I</td>
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<td>EUR 2001</td>
<td>Western Civilization II</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3(3,0)</td>
</tr>
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<td>AMH 2020</td>
<td>U.S. History: 1877-present</td>
<td>3(3,0)</td>
</tr>
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<td>WOH 2012</td>
<td>World Civilization I</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
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**C. Mathematical Foundation**

<table>
<thead>
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<th>Course Title</th>
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<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Enjoyment of Music</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>THE 2000</td>
<td>Theatre Survey</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>FIL 1000</td>
<td>Cinema Survey</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 2100</td>
<td>World Religions</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>Phi 2010</td>
<td>Introduction to Philosophy</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>World Literature I PR: ENC 1102</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II PR: ENC 1102</td>
<td>3(3,0)</td>
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</tbody>
</table>

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

**C. Mathematical Foundation**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3(3,0)</td>
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<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Enjoyment of Music</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>THE 2000</td>
<td>Theatre Survey</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>FIL 1000</td>
<td>Cinema Survey</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 2100</td>
<td>World Religions</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>Phi 2010</td>
<td>Introduction to Philosophy</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>World Literature I PR: ENC 1102</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II PR: ENC 1102</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

### Additional Courses:

**General Education Program**

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

<table>
<thead>
<tr>
<th>GEP Requirement</th>
<th>Acceptable Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105 (College Algebra)</td>
<td>MAC 1114, MAC 1140, MAC 2233, MAC 2253, MAC 2311, MAC 2312, MAC 2313</td>
</tr>
<tr>
<td>MGF 1106 (Finite Mathematics)</td>
<td>MGF 1107</td>
</tr>
<tr>
<td>PHY 2053C (Physics)</td>
<td>PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 5915C</td>
</tr>
<tr>
<td>CHM 1020 (Chemistry)</td>
<td>CHM 2045C, CHM 1032, CHS 1440, CHM 2040C &amp; CHM 2041C</td>
</tr>
<tr>
<td>BSC 1005 or BSC 1050 (Biology)</td>
<td>BSC 2010C</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>CGS 2100C, COP 2500C, (Intro to Computer)</td>
</tr>
<tr>
<td>STA 2014C (Statistics)</td>
<td>STA 2023, STA 3032</td>
</tr>
<tr>
<td>THE 2000 (Theatre)</td>
<td>THE 2020</td>
</tr>
<tr>
<td>FIL 1000 (Cinema Survey)</td>
<td>FIL 2030, FIL 3036, FIL 3037</td>
</tr>
<tr>
<td>MUL 2010 (Enjoyment of Music)</td>
<td>MUH 2017, MUH 2019, MUH 3212, MUL 2016, MUL 2720</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<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>

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

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

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

The student degree audit system is coordinated by the Office of Academic Services for the evaluation of transfer courses for the University's General Education Program and Foreign Language Proficiency requirements. When the transfer course work is entered into the UCF computer system (usually during the first semester at UCF), course descriptions and other information to provide a sufficient basis for evaluation may be requested. Courses are evaluated on the basis of equivalency with the content of the courses required by the University. The evaluation conducted is entered into a computerized Degree Audit system and then is available to the colleges and departments through the University's computer network and for the student online access through myUCF at https://my.ucf.edu. Appeals of transfer credit decisions should be directed to Academic Services (MH 210). Substitution requests for college or major requirements are processed within those administrative offices.
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. Language courses 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.
2. This is a University-wide requirement for all B.A. majors.
3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (PH 106).
4. The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.
5. A student who is required and furnishes a passing TOEFL (Test of English as a Foreign Language) score for admission to the University is considered to have satisfied the requirements.

**American Sign Language**

Students pursuing a Bachelor of Arts degree may substitute American Sign Language for the foreign language exit requirement, except where one or more foreign languages have been specified by a college, school, or program for a specific degree (see individual degree program listings for more information). Proficiency is met either by successful completion of ASL 1161C (previously numbered SPA 4614C) or an appropriate score on the ASL proficiency exam. Contact the Department of Communication Sciences and Disorders regarding the proficiency examination.

**SUS Foreign Language Admission Requirement**

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

**The Gordon Rule**

The “Gordon Rule” (State Rule 6A-10.30) applies to students who first enrolled in any college or university after October 1982. The rule requires students to complete four courses (twelve credit hours) of writing and to complete two courses (six credit hours) of mathematics at the level of college algebra or higher. Each course must be completed with a minimum grade of C- (1.75).

UCF courses that are required by the General Education Program also may be used to satisfy the Gordon Rule. “Gordon Rule” requirements may be satisfied by the General Education Program as follows:

**Gordon Rule Requirement:**
- 1. Six hours of mathematics at the level of college algebra or higher.
- 2. Six hours of English coursework.
- (1) College algebra or finite math
- (2) Statistics or computer science
- Any 3000-level or above course in mathematics, statistics, or computer science also may be used toward fulfillment of the mathematics portion of the “Gordon Rule” Requirement.

**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 1202 World Civilization I
- WOH 2002 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
  - ARM 4112 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti and Havana</td>
<td>LAH</td>
</tr>
<tr>
<td>AML 3643</td>
<td>Contemporary American Prose and Poetry</td>
<td>LAH</td>
</tr>
<tr>
<td>AML 3682</td>
<td>Ethnic Literature in America</td>
<td>LAH</td>
</tr>
<tr>
<td>AML 3682H</td>
<td>Honors Ethnic Literature in America</td>
<td>LAH</td>
</tr>
<tr>
<td>AML 401</td>
<td>American Novel</td>
<td>LAH</td>
</tr>
<tr>
<td>AML 4153</td>
<td>American Poetry at Mid-Century</td>
<td>LAH</td>
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<tr>
<td>AML 4155</td>
<td>Modern American Poetry</td>
<td>LAH</td>
</tr>
<tr>
<td>AML 4261</td>
<td>Literature of the South</td>
<td>LAH</td>
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<tr>
<td>AML 4265</td>
<td>Florida Writers</td>
<td>LAH</td>
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<tr>
<td>AML 4300</td>
<td>Major American Authors</td>
<td>LAH</td>
</tr>
<tr>
<td>AML 4304</td>
<td>Whitman and His Heirs</td>
<td>LAH</td>
</tr>
<tr>
<td>AML 4321</td>
<td>Modern American Literature</td>
<td>LAH</td>
</tr>
<tr>
<td>AML 4630</td>
<td>Latin/Latina Literature</td>
<td>LAH</td>
</tr>
<tr>
<td>ANT 3163</td>
<td>Mesoamerican Archaeology</td>
<td>LAH</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art</td>
<td>LAH</td>
</tr>
<tr>
<td>ARH 4800</td>
<td>Theory and Criticism of the Visual Arts</td>
<td>LAH</td>
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<tr>
<td>EAS 4700C</td>
<td>Aerospace Design I</td>
<td>LAH</td>
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<td>EGH 4412C</td>
<td>Interdisciplinary Design I</td>
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<tr>
<td>EML 4501C</td>
<td>Engineering Design I</td>
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<tr>
<td>ENC 1101H</td>
<td>Honors Freshman Composition I</td>
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<tr>
<td>ENC 1102H</td>
<td>Honors Freshman Composition II</td>
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<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
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<td>ENC 3241H</td>
<td>Honors Writing for the Technical Professional</td>
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<td>ENC 3250</td>
<td>Professional Writing</td>
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<td>ENC 3310</td>
<td>Magazine Writing I</td>
<td>ENC</td>
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<tr>
<td>ENC 3311</td>
<td>Advanced Expository Writing</td>
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<tr>
<td>ENC 4215</td>
<td>Technical Publication and Project Management</td>
<td>ENC</td>
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<td>ENC 4218</td>
<td>The Visual in Technical Documentation</td>
<td>ENC</td>
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<td>ENC 4262</td>
<td>International Technical Communication</td>
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<td>ENC 4265</td>
<td>Writing for the Computer Industry</td>
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<tr>
<td>ENC 4280</td>
<td>Technical Writing Style</td>
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<tr>
<td>ENC 4290</td>
<td>Usability Testing for Technical Communication</td>
<td>ENC</td>
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<tr>
<td>ENC 4293</td>
<td>Documentation and the Collaborative Process</td>
<td>ENC</td>
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<td>ENC 4294</td>
<td>Documentation and Client-Based Collaboration</td>
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<td>ENC 4513</td>
<td>Research Writing</td>
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<td>Nature Writing</td>
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<tr>
<td>ENC 4414</td>
<td>Writing and Hypertext</td>
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<tr>
<td>ENG 3010</td>
<td>Practical Criticism</td>
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<tr>
<td>ENG 3014</td>
<td>Theories and Techniques of Literature Study</td>
<td>ENC</td>
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<td>ENG 3073</td>
<td>Cultural Studies Literature</td>
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<td>ENG 4114</td>
<td>Literature and Film</td>
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<tr>
<td>ENG 4614</td>
<td>Discourse of Global Culture Studies</td>
<td>ENC</td>
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<td>English Language I</td>
<td>ENC</td>
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<td>ENL 2022</td>
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<td>ENL 4101</td>
<td>English Novel</td>
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<tr>
<td>ENL 4220</td>
<td>English Renaissance Poetry and Prose</td>
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<tr>
<td>ENL 4230</td>
<td>18th Century Studies</td>
<td>ENC</td>
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<td>ENL 4240</td>
<td>English Romantic Writers</td>
<td>ENC</td>
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<tr>
<td>ENL 4253</td>
<td>The Victorian Age: Poetry</td>
<td>ENC</td>
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**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 mathematical skills commensurate with successful completion of lower division course work identified by the faculties of community colleges and state universities through the College-Level Academic Skills Project (CLASP).

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

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

- Achieving a score that meets or exceeds a minimum required score on the CLAST exam prior to July 1, 2009.
- Achieving a score that meets or exceeds a minimum required 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 English (1) course with the ENG 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 132) and have on file documentation of his/her disability. The CLAS Waiver Committee reviews all requests for waivers on a case-by-case basis. For disability registration information, contact Student Disability Services at 407-823-2371. To obtain information about the CLAS 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).

Undergraduate Degree Requirements
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 correspondence courses, as appropriate, to apply toward the recertification of the teaching license. Moreover, there is no limit to the number of courses that may fulfill the requirements.

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

Double Majors
- A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. 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.

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More Than Two Majors, or More Than Two Degrees, or a Combination

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

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

The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 credit hours for a second degree or more than 30 credit hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.
ACADEMIC DEGREES, MAJORS AND MINORS

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

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

Baccalaureate Degrees
The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Arts in Business Administration, Bachelor of Design, Bachelor of Engineering Technology, Bachelor of Fine Arts, Bachelor of Music, Bachelor of 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

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<th>College Awarding Minor</th>
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<td>Rosen College of Hospitality Management</td>
<td>Hospitality Management</td>
</tr>
<tr>
<td>Office of Undergraduate Studies</td>
<td>Environmental Studies, Leadership Studies, World Comparative Studies</td>
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Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

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

## Graduate Programs

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

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

Assistant Dean: Martin Dupuis
Director of Accounting: Lesanne Brunswick
Director of Advising: Rex Roberts
Director of Information Systems: Michael Callahan
Director of Prestigious Awards: Nicole Gelfert
Director of Research and Civic Engagement: Kelly Astro
Director of Student Affairs: Jill Norburn
Director of Student Services: Madi Dogariu

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

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

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

Students may pursue Honors through two distinct programs, University Honors and 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 courses1; 2) complete the freshman Honors Symposium2; and 3) meet upper-division Honors course requirements determined by college or major3.

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

Summary Table of University Honors Requirements

Symposium Lower-division Upper-division Major IDH 1920H 4 courses See requirements by College3

The current upper-division3 requirements are as follows:

- **University Honors Upper-Division Program Requirements:**
  - College of Arts and Humanities, College of Education, College of Sciences, Rosen College of Hospitality Management, 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 Seminar3
    2. Complete two Honors upper-division courses or Interdisciplinary Seminars3

- **University Honors Upper-Division Program Requirements:**
  - College of Business Administration (excluding Economics (B.A.))
    1. Complete one Honors Interdisciplinary Seminar3
    2. Complete two Honors upper-division Business courses
      BUL 3130H Legal and Ethical Environ't of Business
      GEB 336H Introduction to International Business
      MAR 3023H Marketing
      FIN 3403H Business Finance
      MAN 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 Seminar3
    2. Complete two Honors upper-division Engineering courses
      STA 3023H Probability and Statistics for Engineers
      EGN 3310H Engineering Analysis-Statics
      EGN 3321H Engineering Analysis-Dynamics
      EGN 3373H Principles of Electrical Engineering
      EEL 4818H Machine Learning I
      EEL 4817H Machine Learning II

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

- **University Honors Upper-Division Program Requirements:**
  - Computer Science majors
    1. Complete one Honors Interdisciplinary Seminar3
    2. Complete two Honors upper-division Computer Science courses
      COP 3223H Programming
      COP 3502H Computer Science I
      COP 3503H Computer Science II
      COT 3100H Introduction to Discrete Structures
      ENC 3241H Writing for the Technical Professional

Consult 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 Seminar3
    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 Neuroanatomy

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

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

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

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

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

Acceptable Waivers

Please see The Burnett Honors College website at http://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.

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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/

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

Office of Prestigious Awards
The Office of Prestigious Awards (OPA) provides all UCF students with information and advising for major national and international fellowships and scholarships. OPA serves as the UCF campus representative for all awards requiring university endorsement or nomination, including the Rhodes, Marshall, 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, Judaic, Latin American, Caribbean and Latino/a Studies, and Middle Eastern. Although the academic home of these programs is the College of Arts and Humanities, faculty and students from across the entire university may participate in them. These programs may be elected as minors by students majoring in any discipline within the university. For more information about the programs and contact numbers of the program directors see the list below.

African American Studies - Contact: TBA; 407-823-0026
American Studies - Contact: Lyman Brodie; 407-823-2251
Asian Studies - Contact: Paul Giordano; 407-823-2472
Judaic Studies - Contact: Moshe Pelli; 407-823-5039
Latin American, Caribbean and Latino/a Studies - Contact: José Maunez-Cuadra; 407-823-1173
Middle Eastern Studies - Contact: 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, BA, BFA, Minor, MFA
Asian Studies                  Minor
Asia 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                          New York, MA, Certificate
Modern Language Combination   BA
French                        BA, Minor
German                        Minor
History                       BA, MA, Accelerated MA, Minor
Humanities                    BA, 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, Flamia, Grajeda, Hasanat, Hepner, Hohenleitner, Hubbard, A. Jones, D. Jones, Kamrath, Kesler, Lillios, Logan, Mauer, Meehan, Moody, Norton, Murphy, Neal, Oliver, Pugh, Rodriguez, Milanes, Roney, Rushin, Saper, Schell, Spraker, Stup, Telep, Thaxton, Trouard, Young; Professors Emeriti: Adicks, Barnes, Ozmans, Schilfforst

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, Technical Communication
Minors: Creative Writing, Literature, Linguistics, Medieval/Renaissance, Technical Communication

Department of Film
Interim Chair: Steve Schlow
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, Schlow, Stoeckl, 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, Dartrès, Fernandez, Foster, Gannon, Gordon, Graham, Head, Herthly, Kallina, Larson, Lester, Long, Lyons, Martinez-Fernandez, O’Toole, Ozoglu, Pineda, Sacher, Solonari, Walker, Walters, Whala, Zhang; Faculty Emeriti: Colbourn, Leckie-Reed, Pauley, Shofer

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
Tracks: None
Minors: History

Judaic Studies: Program
Program Director: Moshe Pelli
CNH 201; 407-823-5039 or 823-5129
E-mail: judaics@ucf.edu
http://www.judaicstudies.cah.ucf.edu

Faculty: Hanson, 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.lacsl.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 Phi 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: Brennanman, Cash, Compson, Coverston, DiBernardo, Evans, Fiore, Gallagher, Hawkins, Janz, Jones, Kassim, Mundale, Park, Schip-pert, 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, Huaxiaqin, Ingram, Lartonoxo, Lee, Listengarten, McDonald, Niess, Perry, Rusnok, 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
and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

Degrees: Theatre (BA, BFA, MA, MFA) Tracks: Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies Minors: Dance, Theatre

Department of Writing and Rhetoric

Chair: David L. Wallace
CNH 307I; 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, Mahrenne, Murray, Owens, Richardson, Ringfield, Rodriguez-Millanes, Saper, Schell, Schutz, Scott, Slack, Tripp, Uttech, 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 Center and “Knights Write” Writing across the Curriculum Program. The department celebrates student writing in Stylus, a journal for first-year writing, and the annual Knights Write Showcase.

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

Women’s Studies Program

Program Director: M.C. Santana
CNH 411; 407-823-6502
E-mail: womens@ucf.edu
http://www.womensstudies.cah.ucf.edu

Faculty: Preston, Santana, Tweed

The Women’s Studies program offers an interdisciplinary minor and a certificate in Women’s Studies in cooperation with several departments, programs, and schools. The program examines women’s roles in and contributions to past and present societies, and provides practical and theoretical knowledge about women’s and gender issues.

Degrees: BA (Interdisciplinary Studies) Tracks: Women’s Studies Track in Interdisciplinary Studies Minors: Women’s Studies, Certificate

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://www.oeas.ucf.edu/alc/alc_students_cahum.htm
College of Business Administration

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

Associate Dean: E. Taylor Ellis
BA 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.
1. Admission requirements can and do vary among the business and Summer term must obtain permission from the College.

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

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.

4. Courses taken at community colleges do not substitute for upper division courses.

5. 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.

6. 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.
The program of study in finance is designed to provide the student with broad theoretical and practical knowledge in finance, including business finance, investments, financial institutions, international finance, risk management and insurance, corporate finance, and other fields. The purpose of the program is to provide students with the analytical skills that will allow them to resolve issues and make sound financial decisions. The study of finance prepares the student for careers in private and public sector organizations, including financial institutions, government agencies, and other fields. Students are sought by both financial and non-financial institutions, making them highly marketable graduates.

The Department of Finance at the University of Central Florida offers a variety of programs and opportunities for students. The Finance program provides a broad liberal arts education and leads to a graduate degree in 5 years. Students who major in finance are sought by both financial and non-financial institutions, making them highly marketable graduates.

**Distinctive Benefits**

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

**Degrees**

- Business Economics (BSBA, MS, Ph.D.)
- Economics (BA)

**Minors**

- Economics, Economic Policy

**Department of Finance**

**Chair:** A. Byrd

**Faculty:** Ajayi, Anderson, Borde, Botts, Byrd, Chen, Choi, Curtice, Frye, Gatchev, Gilkeson, Gregg, Park, Ramanalal, Schnitzlein, Singer, Smith, Swoe, Sturm, Weaver, Whyte

**BA/MS program provides a broad liberal arts education and leads to a graduate degree in 5 years.**

**Distinctive Benefits**

- For both financial and non-financial institutions, the program prepares students for careers in private and public sector organizations, including financial institutions, government agencies, and other fields. Students are sought by both financial and non-financial institutions, making them highly marketable graduates.
- The program provides a solid foundation 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 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.
A great benefit for Marketing majors is the opportunity to earn a certificate in any of seven areas of career interest: Selling and Sales Management, Retailing Management, E-Marketing, Sport Marketing Management, Healthcare Marketing, Entertainment Marketing and Services Marketing. Students can design a personalized certificate program combining elective courses with an internship that will enhance their value to potential employers.

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

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

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

**Degrees:** Marketing (BSBA)
**Tracks:** Generalist, Professional Selling Program
**Minor:** Marketing
**Certificates:** Selling and Sales Management, Retailing Management, e-Marketing, Sports Marketing, Healthcare Marketing, Services Marketing, Entertainment Marketing

For more information, visit [http://www.bus.ucf.edu/marketing/](http://www.bus.ucf.edu/marketing/) or call 407-823-2108. Department office is located in BA2 307S.

*Program Academic Learning Compacts* (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: [http://www.oeas.ucf.edu/alc/alc_students_cba.htm](http://www.oeas.ucf.edu/alc/alc_students_cba.htm)
The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary/K-12, 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 acceptance to their major, or the Academic Advising Center, if a “Pending” major to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View a Degree Audit through myUCF;
3. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add/Drop period;
4. Utilize LiveText software based upon program requirements; and
5. File an on-line “Intent to Graduate Form” by the end of the term prior to the term in which graduation is intended.

Office of Student Affairs

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

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

Clinical Experiences

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

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early practicum experiences, as well as 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 prerequisite (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 I.
- Complete a formal application for Internship I online by deadlines listed above.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student’s major.
- The Early Childhood Education program includes a seminar/field experience course in lieu of Internship I.

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

Internship II

Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program. 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*

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

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
- Submit two letters of recommendation and current resume
- Complete 40 hours of community service for each year the scholarship is received

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

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

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

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

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

Alternative Certification for Non-Degree Students
All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or master’s degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Teacher Education.
College of Education

Academic Advising Center  
Director: Sandra L. Bulger  
ED 115; 407-823-0043  
Coordinator Academic Advising Services II: Jorri Bright  
ED 115; 407-823-5369

The College of Education Academic Advising Center provides academic advising assistance for newly admitted elementary education students. All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in, appointment and advising sessions. Information sessions provide students with additional knowledge concerning their degree programs and responsibilities. The dates, times and locations of information sessions will be posted on the College of Education website.

Department of Child, Family, and Community Sciences  
Chair: Anne McDonald Culp  
ED 209-E; 407-823-1272  
Academic Administrator: Roanne G. Brice  
ED 206-H; 407-823-0664


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

Students who major in Early Childhood Development and Education can select a teaching track or a child development track. Those who select the teaching track are qualified to teach Pre-Kindergarten through grade 3 upon graduation and receipt of a Pre-Kindergarten through Primary Florida Teaching Certificate.

Students in the Early Childhood Development Track are interested in working with young children and parents. These students are not seeking teaching certification. This track prepares reflective, competent, and caring professionals to work with a diverse population of young children using research-based, developmentally appropriate practices.

Students majoring in Exceptional Student Education are qualified to teach K-12 in Exceptional Student Education upon graduation and receipt of a Florida Teaching Certificate.

Students majoring in Sport and Exercise Science can select from two specializations: Sport Leadership and Exercise Science. Within the two specializations, students select one of the following: coaching, recreation, human performance, strength and conditioning or children's physical activity and movement.

Several graduate level programs are available in the department:

Early Childhood Development and Education, M.S.,  
http://education.ucf.edu/prop_page.cfm?PropDeplID=41&PropID=117

Exceptional Student Education M.A. or M.Ed.,  
http://education.ucf.edu/exedx/

Sport and Exercise Science, M.S.,  
http://education.ucf.edu/sportscience/

See individual program Web sites and the graduate catalog for additional details. You can start by going to the Department's website:  
http://education.ucf.edu/departments.cfm

Department of Educational and Human Sciences  
Chair: Grant Hayes  
ED 209-H; 407-823-6106  
Academic Administrator: Brenda Thompson  
ED 206-E; 407-823-6579

http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences

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

The Department of Educational and Human Sciences (EHS) is primarily a graduate department that offers coursework, graduate programs in Counselor Education & School Psychology: Higher Education & Policy Studies and Research, Measurement & Evaluation. The Department also offers a number of graduate certificate programs and provides graduate courses in educational 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


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

Secondary Education  
Programs in this area are designed for prospective teachers interested in working with students in a specific academic area in middle/junior high school or high school. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education. Programs are available in K-12 areas such as Art Education, Reading Education, Foreign Language Education (French or Spanish) and ESOL Education.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education are located at:  
http://oecs.ucf.edu/alc/alc_students_coe.htm
College Mission Statement

Our Mission is to provide high-quality, broad-based education and experience-based learning in engineering and computer science; to create knowledge through pioneering scholarship and impactful research; to enrich our students’ development and leadership skills; and to address pressing local, state, national, and international issues in support of the global community.

Our college is able to attract students who are remarkably bright and talented. They come to our college to learn and become the technological leaders of tomorrow. Our Engineering and Computer Science faculty are some of the best and brightest that one can find anywhere. They share with our students the excitement of discovery and creative research as they teach the problem solving and leadership skills that prepare our students to be productive members of society.

College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of four engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Electrical Engineering and Computer Science (EECS) Department, the Industrial Engineering and Management Systems (IEMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The 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.

Undergraduate Majors and Degrees

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

BSAE
BSCE
BSPE
BS
BSConfE
BSEE
BSVE
BSIE
BS
BSME

Accelerated BS/MS Degree Program

All of the Engineering and Computer Science departments except for the Department of Civil, Environmental and Construction Engineering and the Information Technology Program are offering an Accelerated BS/MS degree program which will allow students of high academic standing to complete an MS degree at an accelerated pace. The generic rule for students in this program is that they will be allowed to use up to twelve hours of selected 5000 and 6000 level courses with a grade of “B” or higher toward fulfillment of both the BS and MS degree requirements. Interested individuals should see the program descriptions in the graduate and undergraduate catalogs. They may also contact the department 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.
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 desire to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 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, Durancue, 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:

1. Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed 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.
Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.

Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.

Graduates will demonstrate the ability to work in teams to solve engineering problems.

Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.

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.

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:

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.

Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from chemistry such as stoichiometry, kinetics, equilibrium and gases.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate the 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 real-world engineering design project involving 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:

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.

Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will demonstrate knowledge of estimating, scheduling, project control, resource allocation, risk management, and legal issues.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate the ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will demonstrate proficiency in the design of construction processes, methods, and safety.
10. Graduates will be able to complete a comprehensive real-world construction engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

The mission statement and objectives for the Civil Engineering, Environmental Engineering, and Construction Engineering programs are electronically posted and routinely updated. More information on the Civil and Environmental Engineering programs can be found on the CECE Department home page at [http://www.cece.ucf.edu](http://www.cece.ucf.edu).
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 23 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: An Earth Science (GEP), A Biological Science (3hrs), CHM 2045C (4hrs), CHM 3065L (1hr), CCE 4120 (3hrs), CCE 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 at least 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

HCC 437; 407-823-3957

Faculty: Bassiouni, Boloni, Chatterjee, da Vitoria Lobo, Deo, Dechay, Foroosh, Gomez, Gonzalez, Guha, Heinrich, Hu, Hughes, Jha, Lang, LaViolette, Leavens, Marinescu, Orooj, Pattanaik, Shah, Stanley, Sukthankar, Tappan, Turtug, Wocjan, A. Wu, Zhang, Zou

The Computer Science Program

The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition, the program offers minors in Computer Science and Information Technology. The program strives to meet the requirements for professional careers and research in software development and computing systems technology by producing graduates with a broad base of formal course work. Students may use restricted elective credit to concentrate their degree in one of many research areas, including computational bio-technology, 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, operating systems, parallel processing, quantum computing, software engineering and VLSI design tools and hardware algorithms.

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds from EECS. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the EECS home page at http://www.eecs.ucf.edu/.

Mission

The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computing technology, and for a lifetime of learning.

Educational Objectives

1. To equip CS graduates with 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 maintenance engineer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance and administration.

Program Outcomes

1. All graduating CS majors, by the time of their graduation, shall be able to apply knowledge of computing and mathematics appropriate to the discipline; specifically to include the application of mathematics, science and engineering to solve and reason about computational problems.
2. All graduating CS majors, by the time of their graduation, shall be able to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. All graduating CS majors, by the time of their graduation, shall be able to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs and budget, by applying best practices in software development processes, methods, and tools.
4. All graduating CS majors, by the time of their graduation, shall be able to function effectively on teams to accomplish a common goal.
5. All graduating CS majors, by the time of their graduation, shall be able to demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
6. All graduating CS majors, by the time of their graduation, shall be able to communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computer science and its applications.
7. All graduating CS majors, by the time of their graduation, shall be able to analyze the local and global impact of computing on individuals, organizations and society.
8. All graduating CS majors, by the time of their graduation, shall be able to recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.
9. All graduating CS majors, by the time of their graduation, shall be able to use current techniques, skills, and tools necessary for computing practices.
10. All graduating CS majors, by the time of their graduation, shall be able to apply mathematical foundations and computer science theory, in particular principles of algorithmic design and complex-
1. Demonstrate expertise in the main content knowledge of information technology, in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

11. All graduating CS majors, by the time of their graduation, shall be able to apply design and development principles in the construction of software systems of varying complexity.

12. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.

13. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge and understanding of, and their ability to apply, the concepts and design principles relating to: data structures, computer architecture and organization, program- ming languages, operating systems, and networks.

The Information Technology Program

The Information Technology program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer hardware, software, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web server design. The program provides students a strong conceptual core, which will prepare them to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to deal with the subject areas and communicate in the parlance of the industries in which they choose to work. The curriculum also includes up to 12 hours of free electives that allow students to pursue a minor degree or concentration area such as education, health, business, or criminal justice, to which information technology may be applied.

Mission

The mission of the Bachelor of Science in Information Technology Degree Program is to educate students in the science and practices of information technology, preparing them for a lifetime of learning and for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.

Educational Objectives

1. To prepare IT graduates with the knowledge and skills necessary to be effective professional contributors or leaders in the design, administration and management of information technology systems, databases and networks commonly used by industry, government, education, research and non-profit organizations.

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

6. Employ terminology for information technology accurately and effectively

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

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

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

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

Electrical and Computer Engineering Division

Interim Chair: Zhihua Qu
HEC 439C; 407-823-2787

Faculty: Baratseh, Behal, DeMara, Georgiopoulos, Gong, Haralambous, Jones, Kasparris, Lee, Lin, Liou, Lofffard, Maloche, 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 experiences 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,
1. Graduates demonstrate competence leading to success in technical and professional societies, and participating in training opportunities.

Educational Objectives:

The objectives of the EE Program at UCF are that:

1. Graduates demonstrate competence leading to success in technical career within the areas of Electrical Engineering.
2. Graduates demonstrate competence in effective communication, teamwork, and leadership skills leading to a successful career in their profession.
3. Graduates demonstrate the pursuit of lifelong learning in their areas of interest, including graduate studies, membership in professional societies, and participating in training opportunities.

Program Outcomes:

Graduates of the Electrical Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering
2. An ability to design and conduct experiments, as well as to analyze and interpret data
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
4. An ability to function on multidisciplinary teams
5. An ability to identify, formulate, and solve engineering problems
6. An understanding of professional and ethical responsibility
7. An ability to communicate effectively
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
9. A recognition of the need for, and an ability to engage in life-long learning
10. A knowledge of contemporary issues
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
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.ece.ucf.edu.
The 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, etc. Students emphasizing astronautics will have the command of corresponding engineering principles. Among these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Outcomes:
1. Students will be able to design systems, products and processes that meet the needs of the society.
2. Students will integrate these concepts to select the best option.
3. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems.
4. Students will explore options for professional growth, including graduate study, conference attendance, and professional society participation.
5. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes.
6. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
7. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
8. 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.
9. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
10. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.

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 tools include understanding aeronautics and astronautics in core 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, evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.
Mission: Mechanical Engineering

In support of the University and College missions, the Mechanical Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, 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, and for graduate study or professional work.

2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.

3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.

4. Life-long Learning: To produce graduates who believe that their undergraduate mechanical engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes

1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems, energy systems or material engineering with an emphasis on design.

2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.

3. A broad understanding of social, cultural, and ethical principles and responsibilities.

4. An ability to identify, define and solve complex problems that cut across disciplines.

5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.

6. An ability to communicate effectively, using appropriate technology and efficiently using information resources.

7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.

8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from mechanical engineering applications.

9. The ability to adapt to sociological and technological change.

10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.

11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.

12. An understanding of contemporary mechanical engineering applications of technology and their uses in engineering practice.

Reserve Officer Training Corps

Air Force ROTC (Aerospace Studies)

Chair: Col. Michael J. Chandler
Trailer 501, Room 103; 407-823-1247; Fax: 407-823-2265

Faculty/Staff: Captain Gray, Captain Lehmann, Captain 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 UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com.

Curriculum

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

1. General Military Course (GMC)

   The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the US Air Force, and the development of air power into a prime element of American national security.

2. Professional Officer Course (POC)

   The Professional Officer Course is designed to develop and hone managerial and officer skills during a student’s junior and senior years. All students who complete the General Military Course in 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

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. The program is designed to develop students into leaders. The program offers two options: a four-year option and a two-year option. The four-year option requires completion of the Basic Military Science course and the Advanced Military Science courses (MSL 3101, 3202, 4301, 4302). Students must complete Basic and Advanced Military Science courses. The two-year option requires students to complete both phases (Basic and Advanced) within two years.

**Curriculum**

The Military Science curriculum is designed to develop students’ leadership potential and improve students’ planning, organizational, and managerial skills. The on-campus curriculum is divided into two phases: Basic Military Science Course and Advanced Military Science Course.

1. Basic Military Science

   A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic Course phase. Successful completion of 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 an Army physical examination
   - Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
   - Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
   - US Citizen
   - A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

3. Monetary Allowance

   All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $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) 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/aic_students_coecs.htm

http://army.ucf.edu
Colleges 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
HPA2 115, 407-823-0010
E-mail: hpainfo@mail.ucf.edu

The College of Health and Public Affairs Undergraduate Student Services assists undergraduate students in understanding college and university requirements and procedures as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to stay on track by taking the appropriate prerequisite requirements. Advisors are available through the Outreach Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office.

Programs and Degrees

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<tr>
<th>Major</th>
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<tbody>
<tr>
<td>Athletic Training</td>
<td>BS</td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
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<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
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<tr>
<td>Health Informatics and Information Management</td>
<td>BS</td>
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<tr>
<td>Healthcare Informatics</td>
<td>MS</td>
</tr>
<tr>
<td>Health Sciences - Pre-Clinical Track</td>
<td>BS</td>
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<tr>
<td>Health Services Administration</td>
<td>BS, MS</td>
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<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, MS</td>
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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.
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 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 Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).

Department of Health Professions
Interim Chair: Kristen Schellhase
HPA 118/119; 407-823-2214

Faculty: Angelopoulos, Hanney, Lytle, Pabian, Plant, Rothschild, Saleh, Schellhase, Shack-Dugre, Smith, Tucker, Worell.

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, for admission 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-
The range of employment opportunities is extraordinary and includes contract managers, quality assurance managers and evaluators. The workers, psychologists, psychiatrists, policy analysts, grant writers, teachers, social workers, attorneys, community planners, city and county administrators, social 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 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

**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

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The **Department of Social Work** 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

**Certificates:** Nonprofit Management
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.

The mission of the Burnett School of Biomedical Sciences is to provide quality undergraduate and graduate programs in the biomedical sciences and build vigorous research programs focused on cancer and cardiovascular, neurological, and infectious diseases. In addition to conducting cutting edge research in biomedicine with potential application to curing major diseases, the School is committed to helping develop a technology-based industry in Florida. Active partnerships formed with other units such as the College of Optics and Photonics, the School of Electrical Engineering and Computer Science and the NanoScience Technology Center will facilitate interdisciplinary research and education programs in the innovative application of photonics, bioinformatics and nanoscale to biomedical problems.

The Burnett School is educating over 2,350 undergraduate majors in the biomedical sciences including Biotechnology, Medical Laboratory Sciences, and Biomedical Sciences (the second largest major in the university). The school also offers master’s degrees in Biomedical Sciences and in Biotechnology, as well as an interdisciplinary doctoral degree in Biomedical Sciences. The current graduate enrollment is approximately 110 master's and doctoral students. The M.D. program enrolled its first class in August 2009 and will annually increase the number of admitted students to a level that will produce 120 medical graduates each year. The current enrollment is 100 M.D. students.

In addition to facilities on the main Orlando campus that support the undergraduate and graduate programs, the college has new facilities that are an integral part of the growing medical city at Lake Nona. The UCF Health Sciences Campus at Lake Nona includes the new 170,000-square-foot medical education building and the 198,000-square-foot Burnett Biomedical Sciences building. The M.D. program is offered in the medical education building, which features the latest in lab and classroom technology. The state of the art research laboratories in the Burnett Biomedical Sciences building provide expanded research opportunities for undergraduate and graduate students.

Programs and Degrees

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<th>Program</th>
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<tr>
<td>Biomedical Sciences</td>
<td>B.S., M.S., Minor</td>
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<tr>
<td>Biotechnology</td>
<td>B.S., M.S., M.S./M.B.A.</td>
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<tr>
<td>Medical Laboratory Sciences</td>
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<tr>
<td>Biomedical Sciences</td>
<td>Ph.D.</td>
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<tr>
<td>Medicine</td>
<td>M.D.</td>
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College of Medicine Mission, Vision and Goals

Mission
The University of Central Florida College of Medicine educates and inspires individuals to be exemplary physicians and scientists, leaders in medicine, scholars in discovery, and adopters of innovative technology to improve the health and well-being of all. Our patient-centered mission is achieved by outstanding medical care and services, groundbreaking research, and leading edge medical and biomedical education in an environment enriched by diversity.

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.
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; 407-823-5787;
Academic Advisor: Ana Maria Schwindt
HPA2 337; 407-823-1259
E-mail: bcbisinfo@ucf.edu

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett School of Biomedical Sciences. OSSA assists Biomedical Sciences, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, University policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing the Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

Pre-Health Professions Advisement Office

Director: Genaro Lopez
HPA 124; 407-823-2670

The Pre-Health Professions Advisement Office (PHPAO) (PHPAO) serves students university-wide in preparing for and seeking admission to professional health science schools, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry.

For more information regarding this office, please refer back to the “Academic Advising” section of this Undergraduate Catalog.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oeas.ucf.edu/alc/alc_students_bobes.htm
College of Nursing
Dean: Jean Leuner
UTWR 3RD floor; 407-823-5496

Associate Dean Graduate Affairs: Linda Henning
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 degree 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 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.
Programs and Degrees

Title: Actuarial Science
Degree: Minor

Title: Advertising-Public Relations
Degree: BA

Title: Anthropology
Degree: BA, MA, Minor

Title: Astronomy
Degree: Minor, BS Track, Certificate

Title: Behavioral Forensics
Degree: BS, MS, Minor

Title: Biology
Degree: BS Concentration, PhD

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: BA, MA, MS, PhD, Minor

Title: Radio-Television
Degree: BA

Title: Social Sciences Interdisciplinary
Degree: BA, Minor

Title: Sociology
Degree: BA, MA, PhD, Minor

Title: Statistics
Degree: BS, MS, Minor

Departments, Schools, and Programs Department of Anthropology

Chair: Arlen F. Chase
PH 309; 407-823-2227
E-mail: anthropology@ucf.edu
http://anthropology.cos.ucf.edu/

Assistant Chair and Graduate Coordinator: Tosha Dupras
PH 309; 407-823-2227

Undergraduate Coordinator: John Schultz
PH 309; 407-823-2227

Faculty: Barber, A. Chase, D. Chase, Dupras, Geiger, Groff, Howard, Lieberman, Long, Matejovsky, 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

Certificates: Crime Scene Investigation (undergraduate), Maya Studies (graduate)

Department of Biology

Chair: C. Ross Hinkle
BL 301; 407-823-2141
E-mail: biology@ucf.edu
http://biology.cos.ucf.edu/

Faculty: Bauer, Bohlen, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Klowski, Lodigio, Manjorovic, Noss, Parkinson, Quin-tana-Ascencio, Song, Sotero-Esteva, Stern, Thomas, Vajravelu, Von Holle, Von Kalm, Walters, Weishampel, Worth; Professors Emeritus: Ehnhart, Ellis, Kuhn, Koevenig, Osborne, Snellson, 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
CH 117; 407-823-2246
E-mail: chemstaff@mail.ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino
CH 107A; 407-823-2246

Faculty: Babian, Belfield, Blair, Campiglia, Clausen, Datta-Gupta, Diaz, Dixon, Elsheimer, Frazer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolpashchikov, 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 Sciences. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)

Tracks: Chemistry, Biochemistry, Forensic Analysis, Forensic Biochemistry

Minors: Chemistry

Nicholson School of Communication

Director: Robert C. Chandler
NSC 240; 407-823-2683
http://communication.cos.ucf.edu/

Assistant Director: Boyd Lindsley
NSC 240A; 407-823-6751
Nicholson Academic Student Services Center (NASSC)
NSC 143; 407-823-2681;
E-mail: nassc@mail.ucf.edu

Faculty: Aikta, Bagley, Barfield, Bledsoe, Brown, Brunson, Butler, Chandler, Collins, Coombs, Davis, DeLorme, Dusseau, Graham,

The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The school is composed of four program areas each of which offer Bachelor of Arts degrees. The degrees are:

1. Advertising-Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.
2. Interpersonal-Organizational Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.
3. Journalism: Provides knowledge of theory and skills needed for careers as a journalist (newspapers, magazines, broadcast, and online forms of mass communication).
4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-television, including content creation, media production, broadcast journalism, media management and programming/promotions in a broadcast, cable online or corporate environment.

Facilities

The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television program has fully-equipped audio and video production facility, a complete multi-camera television studio, an online radio station and laboratories for interactive multimedia. The Journalism program has a computer writing and media lab. The Advertising-Public Relations program has a computer writing and media lab. The 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, Neval, Pensky, Piemmons, Qi, Reid, Ren, Richardson, Rollins, Schober, Schweitzer, Shah, Shvamoggi, Skripka, Song, Sun, Swanson, Tamason, Taylor, Tovbis, 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, Brucekner, Campins, Chang, Chen, Chyi, Chow, Colwell, Cooney, Del Barco, Dubey, Efthimiou, Fernandez, Flishtyan, Harrington, Heinrich, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokouline, Leuenberger, Luo, Martin, Montgomery, Muccio, 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 that 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**

**Faculty:** Benson, Bledsoe, Bradford, Dolan, Dupuis, Fine, Hamann, Handberg, Houghton, Iderton, Jacques, Jewett, Kiel, Kim, Kinsey, Knuckey, Lanier, Li, Morales, Pollock, Sadri, Turcu, Vittes, Wilson, Young

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, Ghaseinejad, Gilson, Hancock, Hernandez, Hickey, Hitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, M. Kennerley, Le, McConnell, McGuire, Mottarella, Mouloia, 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-Corzione, 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 courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, information management specialist, and researcher analyst.

For more information about our nationally acclaimed yet personable faculty and our relevant, flexible major, go to http://sociology.ucf.edu.

**Degrees:** Sociology (BA, MA, PhD), Social Sciences Interdisciplinary (BS)

**Tracks:** Domestic Violence (MA)

**Minors:** Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology, Social Sciences Interdisciplinary

**Department of Statistics**

**Chair:** D. Nickerson

**CCII 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.oecs.ucf.edu/alc/alc_students_cosci.htm
Office of Undergraduate Studies
Dean: TBA;
MH 218; 407-823-2373
http://www.undergrad.ucf.edu/
Associate Dean: TBA;
MH 210; 407-823-2691

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.
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, Marcella 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 men-

tors, 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.oeds.ucf.edu/alc/alc_students_us.htm
Rosen College of Hospitality Management

Dean: Abraham Pizam
9907 Universal Boulevard, Suite 231-H Orlando, FL 32819; 407-903-8000

http://www.hospitality.ucf.edu

Associate Deans: Tadayuki Hara; Youcheng Wang;
9907 Universal Boulevard, Suite 231-A; 407-903-8000

Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112

Faculty: Ashley, Breiter, Bunn, Chen, Choi, Croes, Dickson, Fisher, Fjelstul, Hara, Hogg, Hua, Hutchinson, Iskat, Judy, Juge, Kaufman, Kwun, Lavendol, Logan, Lynch, Milman, Muller, Murphy, Naipaul, Nusair, Okumus, Parsa, Pizam, Ro, Rompf, Ross, Severt D, Severt K, Smith, Terry, Tesone, Wang, Whitney

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
<table>
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<tr>
<th>UCF DEGREE PROGRAMS</th>
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Accounting (B.S.B.A.)
College of Business Administration
Kenneth G. Dixon School of Accounting, Business Administration II, Room: 101

http://www.bus.ucf.edu
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)
   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: ECO 2013 Principles of Macroeconomics
   Suggested ECO 2023 Principles of Microeconomics
   Select 1: ANT 2000 General Anthropology or
   Suggested PSY 2012 General Psychology or
   Suggested SYG 2000 Introduction to Sociology
   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (18 hrs)
   - Must be completed with a "C" (2.0) or better
   - 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:
   ECO 3401 Quantitative Business Tools I 3 hrs
   or
   MAC 2233 Concepts of Calculus and 3 hrs
   STA 2023 Statistical Methods I and 3 hrs
   Students must receive a "C" (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

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 3021 Cornerstone: Professional Skills for Business 3 hrs
   GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 3403C Business Finance 4 hrs
   GEB 3375 Introduction to International Business 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs
   MAR 3203 Supply Chain Management 4 hrs

Required courses for major: 24 hrs
   ACG 3131 Intermediate Financial Accounting I 3 hrs
   ACG 3141 Intermediate Financial Accounting II 3 hrs
   ACG 3361 Cost Accounting I 3 hrs
   ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
   ACG 4401C Accounting Information Systems 3 hrs
   ACG 4651 Auditing 3 hrs
   ACG 4803 Contemporary Issues in Accounting and Transactions 3 hrs
   TAX 4001 Taxation of Business Entities and Transactions 3 hrs

5. Restricted Electives

- None

6. Capstone Requirements (4 hrs)
   MAN 4720 Strategic Management 4 hrs
   - This course is taken in the graduating term and requires the following prerequisites:
     FIN 3403C Business Finance 4 hrs
     GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs

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 graduation to this degree.
- Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have a "C" (2.0) or better in each common program prerequisites class.
- A minimum grade of "C" (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
- Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in 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. Re-admission 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 residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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:

- ACG 4903H Honors Directed Reading I or
- ACG 4904H Honors Directed Reading II

and
- ACG 4970H Undergraduate Honors Thesis

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Honors in the Major Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.

Requirements:
- Students accepted into the Honors in the Major Program must complete either:

Take all of the following sequences:

- ACG 4903H Honors Directed Reading I or
- ACG 4904H Honors Directed Reading II

and
- ACG 4970H Undergraduate Honors Thesis

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Courses taken at community colleges do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting
- ACG 2001 and ACG 2011
- ACG 2001

Plan of Study
- Freshman Year - Fall
  - ENC 1101 Composition I
  - MAC 1140 Pre-Calculus Algebra
  - Cult-Hist I
  - Psy/Ant/Soc
  - Science

- Freshman Year - Spring
  - CCG 2100C Computer Fundamentals for Business
  - ENC 1102 Composition II
  - Cult-Hist II
  - Science
  - Art/Music/Lit

- Sophomore Year - Fall
  - ACG 2021 Principles of Managerial Accounting
  - ECO 2013 Principles of Microeconomics
  - SPC 1608 Fundamentals of Oral Communication
  - Free Elective
  - Free Elective

- Sophomore Year - Spring
  - ACG 2001 Principles of Financial Accounting
  - ECO 3401 Quantitative Business Tools I
  - MAR 3023 Marketing
  - POS 2041 American National Government

- Junior Year - Fall
  - ACG 3131 Intermediate Financial Accounting I
  - BUL 3130 Legal and Ethical Environment of Business
  - GEB 3031 Cornerstone: Professional Skills for Business
  - Free Elective
  - Free Elective

- Junior Year - Spring
  - ACG 3131 Intermediate Financial Accounting II
  - ECO 3411 Quantitative Business Tools II
  - GEB 3375 Introduction to International Business
  - MAN 3025 Management of Organizations

- Senior Year - Fall
  - ACG 3361 Cost Accounting I
  - ACG 4401C Accounting Information Systems
  - FIN 3430C Business Finance
  - TAX 4001 Taxation of Business Entities and Transactions

- Senior Year - Spring
  - ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations
  - ACG 4651 Auditing
  - ACG 4803 Contemporary Issues in Accounting
  - MAN 4720 Strategic Management
  - Free Elective

- Senior Year - Spring
  - ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations
  - ACG 4651 Auditing
  - ACG 4803 Contemporary Issues in Accounting
  - MAN 4720 Strategic Management
  - Free Elective

- Senior Year - Spring
  - ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations
  - ACG 4651 Auditing
  - ACG 4803 Contemporary Issues in Accounting
  - MAN 4720 Strategic Management
  - Free Elective

- Senior Year - Spring
  - ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations
  - ACG 4651 Auditing
  - ACG 4803 Contemporary Issues in Accounting
  - MAN 4720 Strategic Management
  - Free Elective

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
University of Central Florida

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:
- ADV 3008 Principles of Advertising and
- PUR 4000 Public Relations

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 Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- At least 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)
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs
- Select one course from group B 2. 3 hrs

C: Mathematical Foundations (6 hrs)
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

Statistics
- Required STA 2014C Principles of Statistics 3 hrs
- May substitute a more advanced STA course. 3 hrs

D: Social Foundations (6 hrs)

Economics
- Required ECO 2023 Principles of Microeconomics 3 hrs
- or
- Required ECO 2013 Principles of Macroeconomics 3 hrs

Select either Economics course:
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select this Speech course:
- SPC 1608 Fundamentals of Oral Communication 3 hrs

3. Core Requirements: Basic Level (6 hrs)
Must be in progress or completed before applying to the program:

Complete all of the following:
- ADV 3008 Principles of Advertising and 3 hrs
- PUR 4000 Public Relations 3 hrs

May be completed before or after admission to the program:

Complete the following classes:
- SPC 1608 Fundamentals of Oral Communication and 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Complete either economics class:
- ECO 2023 Principles of Microeconomics or 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

4. Core Requirements: Advanced Level (21 hrs)

Complete after admission to the program:
- ADV 4101 Advertising Copywriting 3 hrs
- COM 3311 Communication Research Methods 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 4411 Ad-PR Campaigns 3 hrs
- PUR 3100 Writing for Public Relations 3 hrs
- VIC 3001 Visual Communication 3 hrs

Select one internship:
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship 3 hrs

5. Restricted Electives (12 hrs)
Complete a maximum of 12 credits of the following after admission to the program:
- ADV 4103 Radio-Television Advertising 3 hrs
- ADV 4300 Advertising Media Planning 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- PUR 4110C Public Relations Publications 3 hrs
- PUR 4801 Public Relations Case Studies 3 hrs

You may take either internship, but not both. 3 hrs
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship 3 hrs

6. Capstone Requirements
The following Advanced Core course meets the Capstone Requirement:
- MMC 4411 Ad-PR Campaigns 3 hrs

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.

Graduation
Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 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 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
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.

Accetable 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 204C 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 3100 Writing for Public Relations 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Select 1:
PUR 4941 Internship or
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.oas.ucf.edu/aib/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $22 per term
Full-Time Student: $44 per term
Aerospace Engineering (B.S.A.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering 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:
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 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:
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

E: Science Foundations (7 hrs)
Suggested PHY 2048C Physics for Engineers & Scientists I 4 hrs
Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
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
PHY 2049C Physics for Engineers and Scientists II 4 hrs
Select 1:
1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
or
1 CHM 2045C Chemistry Fundamentals I or 4 hrs
2 CHM 2040 Chemistry Fundamentals IA or 3 hrs
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)
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
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:
EGS 3550 Space Systems Concepts or 3 hrs
EGS 4505 Orbital Mechanics 3 hrs

5. Restricted Electives (9 hrs)
■ Technical electives are available in the BSAS 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:
EAS 4700C Aerospace Design I or 3 hrs
EGN 4412C Interdisciplinary Design I 3 hrs
Select 1:
EAS 4710C Aerospace Design II or 3 hrs
EGN 4413C Interdisciplinary Design II 3 hrs

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
■ None
8. Electives
■ None

9. Additional Requirements
■ None
10. Required Minors
■ None
11. Departmental Exit Requirements
■ 25% of course work must be in residency at UCF.
## 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 128

### Honors In Major
- None

### Related Programs
- 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.

### Freshman Year - Fall
- 15 hrs
- 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
- 15 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs
- Select 1: 4 hrs
  - CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
  - CHM 2048C Chemistry Fundamentals I or 4 hrs
  - CHM 2040 Chemistry Fundamentals IA or 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs
- 1 Preferred

### Sophomore Year - Fall
- 13 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

### Sophomore Year - Spring
- 12 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGM 3601 Solid Mechanics 3 hrs

### Select 1:
- 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

### Junior Year - Fall
- 15 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EAS 3010 Fundamentals of Aerospace Flight 3 hrs
- EAS 3800C Aerospace Engineering Measurements 3 hrs
- EAS 4200 Flight Structures 3 hrs
- 1 EAS 3530 Space Systems Concepts 3 hrs
- EAS 3990 Aerospace Career and Academic Faculty Advising I 0 hrs

### Select 1:
- 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

### Senior Year - Fall
- 12 hrs
- EAS 4505 Orbital Mechanics 3 hrs

### Select 1:
- 3 hrs
- EAS 4700C Aerospace Design I or 3 hrs
- EGN 4412C Interdisciplinary Design I 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
UCF Degree Programs

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)

Math:
Suggested MGF 1106 Finite Mathematics or
Suggested MGF 1107 Explorations in Mathematics or
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers
Select a course from GEP C.2 list

D: Social Foundations  (6 hrs)
Required ANT 2000 General Anthropology
Select from GEP D.1 list

E: Science Foundations  (6 hrs)
Required ANT 2511 The Human Species
Select from GEP E.1 list

2. Common Program Prerequisites (CPP)
■ See Transfer Notes for possible substitutes
■ See “Common Prerequisites” in the Transfer and Transitions Services section

ANT 2000 General Anthropology
ANT 2511 The Human Species

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  3 hrs
■ Select at least one of the following courses:
ANT 3158 Florida Archaeology
ANT 3163 Mesoamerican Archaeology
ANT 3168 Maya Archaeology

ANT 3311 Indians of the Southeastern United States
ANT 3312 Ethnology of North American Indians
ANT 3313 Indians of North America High Plains
ANT 3314 Indians of the Northeast Woodlands
ANT 3315 Indians of the Northeast Coast
ANT 3319 Anthropology of Diaspora
ANT 4332 People and Cultures of Latin America
ANT 3148 Life and Death in Ancient Egypt
ANT 3863 Anthropology of Japan
ANT 4144 Prehistory of North America
ANT 4153 North American Archaeology
ANT 4352 African Societies and Cultures
ANT 4354 Postcolonial Africa
ANT 4308 Gender Issues in Latin America
ANT 3164 Ancient Incas
ANT 4340 Caribbean Cultures
ANT 3160 Americas Before Columbus
ANT 3161 Archaeology of Mexico
ANT 3165 Archaeology of South America
ANT 3152 Indians of the Southwest
ANT 3344 Puerto Rican Culture
ANT 3362 Peoples of Southeast Asia

Restricted Electives  18 hrs
■ Select at least six other Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).

ANT 3115 Archaeological Method and Theory
ANT 3142 Old World Prehistory
ANT 3212 Peoples of the World
ANT 3241 Magic, Ritual, and Belief
ANT 3245 Native American Religions
ANT 3262 Rural Society
ANT 3273 Law and Culture
ANT 3302 Sex, Gender and Culture
ANT 3398 Black/Seminole Relations
ANT 3541 Biobehavioral Anthropology
ANT 3550 Primatology
ANT 3701 Applied Anthropology
ANT 4802 Ethnographic Field Methods
ANT 4160C Seminar in Laboratory Analysis
ANT 4266 Economic Anthropology: Production, Consumption, and Exchange
ANT 4462 Medical Anthropology
ANT 4516 Human Biological Diversity
ANT 4521 Forensic Anthropology
ANT 4525C Human Osteology
ANT 4528C Advanced Forensic Anthropology
ANT 4824 Advanced Archaeological Fieldwork
ANG 5822 Maya Field Research
ANG 5166 Problems in Maya Studies
ANG 5167 Maya Hieroglyphs
ANG 5228 Maya Iconography
ANG 5622 Language, Culture and Pedagogy
ANG 5742 Problems in Forensic Anthropology
1 ANT 4183 Archaeological Sciences
1 ANT 4184 Mortuary Archaeology
1 ANT 4303 Anthropology of Tourism
1 ANT 4467 Nutritional Anthropology
1 ANT 4702 Culture, Power and Development
ANT 3106 Archaeology and Popular Culture
ANT 3177 Archaeology of Caribbean Piracy
ANT 3330 Cultural Ecology of Amazonia
ANT 3393 American Indian Literature and Culture in Florida
ANT 3450 Living in the USA: Anthropological Perspectives

1 Alternatively, you may select the 5000 level equivalent, but not both.

6. Capstone Requirements
■ None

7. Foreign Language Requirements

Admissions
■ Met by graduation requirement
<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
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<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>ANT 2140</td>
<td>General Anthropology</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
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<td>GEP</td>
<td></td>
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<td>MGF 1107</td>
<td>Explorations in Mathematics</td>
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<td><strong>Freshman Year - Spring</strong></td>
<td>15 hrs</td>
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<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<td>GEP</td>
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<td>GEP</td>
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<td><strong>Sophomore Year - Fall</strong></td>
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<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
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<tr>
<td>GEP</td>
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<td><strong>Sophomore Year - Spring</strong></td>
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<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
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<td>Foreign Language</td>
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<td><strong>Junior Year - Fall</strong></td>
<td>15 hrs</td>
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<td>Restricted Elective</td>
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<td>Elective / Minor</td>
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<tr>
<td>Free Elective</td>
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<td><strong>Junior Year - Spring</strong></td>
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<tr>
<td>ANT 4034</td>
<td>History of Anthropological Thought</td>
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<td>Free Elective</td>
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<td><strong>Senior Year - Fall</strong></td>
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<td><strong>Senior Year - Spring</strong></td>
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<td>ANT 4586</td>
<td>Human Origins</td>
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<td><strong>Graduation</strong></td>
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<td><strong>Related Programs</strong></td>
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<td>Social Sciences</td>
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<td>Sociology</td>
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<td><strong>Related Minors</strong></td>
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<td>African American Studies</td>
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<td>Anthropology in Multicultural Studies</td>
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<td>Asian Studies</td>
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<td>Judaic Studies</td>
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<td>Latin American Area Studies</td>
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<td>Sociology</td>
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<td>Women's Studies</td>
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<td><strong>Advising Notes</strong></td>
<td>6 hrs</td>
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<tr>
<td>None</td>
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<td><strong>Transfer Notes</strong></td>
<td>21 hrs</td>
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<td>Lower division courses taken at community colleges do not substitute for Upper Division courses.</td>
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</tr>
<tr>
<td>Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.</td>
<td></td>
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<tr>
<td><strong>Acceptable Substitutes for Transfer Courses</strong></td>
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<td>Although any ANT course satisfies the CPP, the specified courses are required in the core and must be taken regardless.</td>
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<tr>
<td><strong>Plan of Study</strong></td>
<td>18 hrs</td>
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<tr>
<td>One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.</td>
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</table>

**Program Academic Learning Compacts**

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm](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/](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 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.
- Participation in a competitive portfolio pin-up review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.
- UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the current catalog.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
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 2861 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

8. Electives (10 hrs)
   - Any 3000 or 4000 level course offered within the college.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 45 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, 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.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

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 the multiple domains of art, storytelling, and technology. It is designed to: Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems.

The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
- 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)** (37 hrs)

   A: Communication Foundations (9 hrs)
   
   B: Cultural & Historical Foundations (9 hrs)
   
   C: Mathematical Foundations (7 hrs)
   
   D: Social Foundations (6 hrs)
   
   E: Science Foundations (6 hrs)

2. **Common Program Prerequisites (CPP)** (18 hrs)

   1. ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   1. ART 2203C Design Fundamentals-Three Dimensional 3 hrs
   1. ART 2300C Drawing Fundamentals I 3 hrs
   1. ART 2301C Drawing Fundamentals II 3 hrs
   1. ARH 2050 History of Western Art I GEP
   1. ARH 2051 History of Western Art II GEP
   1. GRA Introduction to Computer Art 3 hrs

   Any ART prefix, studio, or media courses at the 2000-4000 level must be taken after the completion of the above courses and must be approved by the School.

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information

3. **Core Requirements: Basic Level** (18 hrs)

   1. ART 2823 Art as Interface 3 hrs
   1. ARH 2550 History of Non-Western Art 3 hrs
   1. MAC 1105C College Algebra GEP

   Core Requirements: Advanced Level (12 hrs)

   1. ART 2300C Digital Video Fundamentals 3 hrs
   1. DIG 2109C Digital Imaging Fundamentals 3 hrs
   1. DIG 2500C Fundamentals of Interactive Design 3 hrs

4. **Core Requirements: Advanced Level** (18 hrs)

   1. ART 3950 Portfolio Review 0 hrs
   1. DIG 3024 Digital Cultures & Narrative 3 hrs
   1. DIG 3525 Digital Media Production I 3 hrs
   1. DIG 3480C Computer as a Medium 3 hrs
   1. DIG 4780C Modeling for Realtime Systems 3 hrs

5. **Restricted Electives** (39 hrs)

   - Specializations

   Graphic Design
   - Graphic Design Basic Concentration - 18 hours
     
     GRA 3102C Intermediate Graphic Design I 3 hrs
     1. GRA 3112C Intermediate Graphic Design II 3 hrs
     1. GRA 3803C Intermediate Computer Graphic Design 3 hrs
     1. GRA 4198C Advanced Graphic Design 3 hrs
     1. GRA 4197C Special Problems in Graphic Design 3 hrs
     1. GRA 3202C Type & Design 3 hrs

   Character Animation
   - Character Animation Core - 15 hours
     
     ART 3643C Digital Effects & Compositing 3 hrs
     1. DIG 3433C Visual Storytelling and Visual Development 3 hrs
     1. DIG 3435C Artificial Environments and Effects Workshop 3 hrs

   Experimental Animation
   - Experimental Animation Core - 15 hours
     
     ART 3643C Digital Effects & Compositing 3 hrs
     1. DIG 3433C Visual Storytelling and Visual Development 3 hrs
     1. DIG 3435C Artificial Environments and Effects Workshop 3 hrs

   6. **Capstone Requirements**

   - None

   7. **Foreign Language Requirements**

   - Met by graduation requirement

   8. **Electives**

   - Unrestricted electives - credit hours varies with specialization
   - Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

   9. **Additional Requirements**

   - None

   10. **Required Minors**

   - None

   11. **Departmental Exit Requirements**

   - None

   12. **University Minimum Exit Requirements**

   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

   **Total Semester Hours Required**

   - 124
UCF Degree Programs

Honors In Major
- None

Related Programs
- Computer Science
- English - Technical Communication
- Film
- Music

Certificates
- None

Related Minors
- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

Advising Notes
- None

Transfer Notes
- Grades less than a "C" (2.0) are not accepted.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art - History Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu/
Margaret Zaho
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)

2. Core Requirements: Basic Level (3 hrs)
   - ARH 2050 History of Western Art I
   - ARH 2051 History of Western Art II

3. Core Requirements: Advanced Level (15 hrs)
   - ARH 3710 History of Photography I
   - ARH 3720 History of Prints
   - ARH 4350 Baroque Art
   - ARH 4540 Art of India
   - ARH 4653 Meso American Art
   - ARH 4655 Meso American Art
   - ARH 4657 Meso American Art
   - ARH 4871 Women in Art
   - ARH 5897 Advanced Seminar in Art History

4. Core Requirements: Basic Level (3 hrs)
   - ARH 2050 History of Western Art I
   - ARH 2051 History of Western Art II

5. Restricted Electives (24 hrs)
   - Select one Non-Western Art History course from the following:
     - ARH 2500 History of Non-Western Art

6. Electives
   - Select 18 additional hours from the following:
     - ARH 3471 Art in the Last 25 Years
     - ARH 3520 African Art
     - ARH 3610 American Art
     - ARH 3710 History of Photography I
     - ARH 3713 20th Century Photographic History
     - ARH 3720 History of Prints
     - ARH 4350 Baroque Art
     - ARH 4540 Art of India
     - ARH 4653 Meso American Art
     - ARH 4655 Meso American Art
     - ARH 4657 Meso American Art
     - ARH 4871 Women in Art
     - ARH 5897 Advanced Seminar in Art History

7. Capstone Requirements
   - None

8. Additional Requirements
   - None

9. Required Minors
   - None

10. Honors In Major
   - None

11. 2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

12. Graduation
   - Met by graduation requirement.

13. 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.

14. Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

15. Additional Requirements
   - None

16. 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

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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 I 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
- Restricted Elective 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 4430 19th Century Art 3 hrs
- ARH 4800 Theory and 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
- Restricted Elective 3 hrs
- ARH 3713 20th Century Photographic History 3 hrs

Senior Year - Fall
- ARH 4350 Baroque Art 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ARH 4XXX 3 hrs

Senior Year - Spring
- ARH 4170 Greek & Roman Art 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ARH 4XXX 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/al/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
407-823-2676

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence.

Admission Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- "D" grades from other institutions do not meet departmental requirements.
- Note: Individual portfolio reviews are not possible due to the large number of applicants.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these must be in an area of specialization.
- Grades below “C” (2.0) in lower level ART of ARH courses do not satisfy major requirements.
- BFA students must maintain a 3.0 GPA in all ART courses.
- Co-op credit cannot be used in this major.
- Students should consult with a school advisor in their studio specialization.
- Course designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
UCF Degree Programs

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

Take all of the following:
   Required ARH 2050 History of Western Art I and ARH 2051 History of Western Art II 3 hrs
   Select a course from group B.1

C. Mathematical Foundations (6 hrs)
   Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Select 1:
   Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
   ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   1 ART 2203C Design Fundamentals-Three Dimensional 3 hrs
   1 ART 2300C Drawing Fundamentals I 3 hrs
   1 ART 2301C Drawing Fundamentals II 3 hrs
   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

2101C
   Any ART prefix, studio, or media courses at the 2000-4000 levels
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information

1 *See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)
   ART 2500 History of Non-Western Art 3 hrs
   ART 2823 Art as Interface 3 hrs
   GRA 2101C Introduction to Computer Art CPP 3 hrs

4. Core Requirements: Advanced Level (0 hrs)
   ART 3950 Portfolio Review

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)

   Book Arts
      ART 3176C The Illustrated 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

   Ceramics
      ART 3761C Intermediate Ceramics or 3 hrs
      ART 3764C Ceramic Handbuilding I or 3 hrs
      1 ART 4763C Advanced Ceramics 3 hrs

   Drawing
      ART 3322C Intermediate Drawing or 3 hrs
      1 ART 4322C Advanced Drawing or 3 hrs

   Drawing/Printmaking Combination
      ART 3322C Intermediate Drawing or 3 hrs
      1 ART 4322C Advanced Drawing or 3 hrs
      ART 3433C Screenprinting or 3 hrs
      1 ART 4402C Advanced Printmaking 3 hrs

   Drawing/Illustration Combination
      ART 3322C Intermediate Drawing or 3 hrs
      1 ART 4322C Advanced Drawing or 3 hrs
      GRA 4194C Advanced Illustration or 3 hrs

   Painting
      ART 3504C Intermediate Painting or 3 hrs
      1 ART 4505C Advanced Painting 3 hrs

   Photography
      PGY 3410C Intermediate Photography or 3 hrs
      1 PGY 4420C Advanced Photography or 3 hrs
      PGY 4440C Special Problems in Photography 3 hrs

   Sculpture
      1 ART 4710C Advanced Sculpture 3 hrs

   **May be repeated for credit.

   b. Electives in Art:
      15 hrs
      Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization.
      - Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

   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).

6. Capstone Requirements
   None

7. Foreign Language Requirements

   Admissions
   - Met by graduation requirement

   Graduation
   - Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for languages may be used to meet the requirement.

8. Electives
   Select primarily from upper level courses, with school advisor’s approval. May be outside of the department.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements (3 hrs)
    - ART 4935 BFA Exhibit/Seminar required.
    - (BFA Exhibit Seminar is only offered during Spring Semester)
    - Achieve at least a “B” GPA (3.0) overall in courses within the major.
    - Each senior is required to submit a portfolio of representative work in the student’s specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.
    - Computer Competency met by STA 1060C or GRA 2101C.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residence at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art - History Track
- Art Education
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

Certificates
- None

Related Minors
- Community Arts - PAVE

Advising Notes
- None
### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - GRA 2101C: A student may substitute any three hour digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

### Plan of Study
- None

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.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](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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>36 hrs</td>
<td>A: Communication Foundations (9 hrs)</td>
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</tr>
<tr>
<td>9 hrs</td>
<td>B. Cultural &amp; Historical Foundations (9 hrs)</td>
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<tr>
<td>3 hrs</td>
<td>Required: ARH 2050: History of Western Art I</td>
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</tr>
<tr>
<td>3 hrs</td>
<td>Required: ARH 2051: History of Western Art II</td>
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</tr>
<tr>
<td>3 hrs</td>
<td>Select a course from 1.B.1 List</td>
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</tr>
<tr>
<td>3 hrs</td>
<td>C: Mathematical Foundations (6 hrs)</td>
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</tr>
<tr>
<td>6 hrs</td>
<td>Prefer: MGF 1106: Finite Mathematics</td>
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<td>3 hrs</td>
<td>Prefer: STA 1060C: Basic Statistics Using Microsoft Excel</td>
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<tr>
<td>6 hrs</td>
<td>D: Social Foundations (6 hrs)</td>
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<tr>
<td>6 hrs</td>
<td>E: Science Foundations (6 hrs)</td>
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#### 2. Common Program Prerequisites (CPP) (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>3 hrs</td>
<td>ART 2201C: Design Fundamentals-Two Dimensional</td>
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</tr>
<tr>
<td>3 hrs</td>
<td>ART 2203C: Design Fundamentals-Three Dimensional</td>
<td></td>
</tr>
<tr>
<td>3 hrs</td>
<td>ART 2300C: Drawing Fundamentals I</td>
<td></td>
</tr>
<tr>
<td>3 hrs</td>
<td>ART 2301C: Drawing Fundamentals II</td>
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</tr>
<tr>
<td>3 hrs</td>
<td>ARH 2050: History of Western Art I</td>
<td></td>
</tr>
<tr>
<td>3 hrs</td>
<td>ARH 2051: History of Western Art II</td>
<td></td>
</tr>
<tr>
<td>3 hrs</td>
<td>GRA 2101C: Introduction to Computer Art</td>
<td></td>
</tr>
<tr>
<td>3 hrs</td>
<td>Any ART 2XXX-4XXX studio or media course.</td>
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</tbody>
</table>

#### 3. Core Requirements: Basic Level (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>3 hrs</td>
<td>ART 2823: Art as Interface</td>
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</tr>
<tr>
<td>3 hrs</td>
<td>ARH 2500: History of Non-Western Art</td>
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<tr>
<td>0 hrs</td>
<td>ART 3950: Portfolio Review</td>
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</tr>
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</table>

#### 4. Core Requirements: Advanced Level

- None

#### 5. Restricted Electives (27 hrs)

Select nine upper division courses in three areas:

**Art History**

- Any upper level ARH course

**Book Arts**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>3 hrs</td>
<td>ART 3170C: Book Binding</td>
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<tr>
<td>3 hrs</td>
<td>ART 3171C: Materials for Artist Books</td>
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<td>3 hrs</td>
<td>ART 3175C: Advanced Issues in Contemporary Book Arts</td>
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<td>3 hrs</td>
<td>ART 3176C: The Illuminated Book</td>
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<td>3 hrs</td>
<td>ART 4177C: Narrative Sculpture</td>
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<td>3 hrs</td>
<td>ART 4172C: Book Repair and Restoration</td>
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<tr>
<td>3 hrs</td>
<td>ART 4173C: The Artist Book</td>
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</tr>
<tr>
<td>3 hrs</td>
<td>ART 4174C: The Printed Book</td>
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<tr>
<td>3 hrs</td>
<td>ART 4177C: Commercial Book Design and Publishing</td>
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<tr>
<td>3 hrs</td>
<td>ART 4644C: Books Without Books</td>
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1 May be repeated for credit.

**Ceramics**

<table>
<thead>
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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>3 hrs</td>
<td>ART 3761C: Intermediate Ceramics</td>
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<tr>
<td>3 hrs</td>
<td>ART 4783C: Advanced Ceramics</td>
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1 May be repeated for credit.

**Drawing and Printmaking**

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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>3 hrs</td>
<td>ART 3322C: Intermediate Drawing</td>
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<tr>
<td>3 hrs</td>
<td>ART 3433C: Screenprinting</td>
<td></td>
</tr>
<tr>
<td>3 hrs</td>
<td>ART 4320C: Advanced Drawing</td>
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</tr>
<tr>
<td>3 hrs</td>
<td>ART 4402C: Advanced Printmaking</td>
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</tbody>
</table>

1 May be repeated for credit.

**Illustration**

<table>
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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>3 hrs</td>
<td>GRA 3747: Intermediate Illustration I</td>
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</tr>
<tr>
<td>3 hrs</td>
<td>GRA 4154C: Advanced Illustration</td>
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1 May be repeated for credit.

**Painting**

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<tr>
<td>3 hrs</td>
<td>ART 3504C: Intermediate Painting</td>
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<tr>
<td>3 hrs</td>
<td>ART 4505C: Advanced Painting</td>
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1 May be repeated for credit.

**Photography**

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<th>Course</th>
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<tr>
<td>3 hrs</td>
<td>PGY 2401C: Beginning Photography</td>
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<tr>
<td>3 hrs</td>
<td>PGY 4420C: Advanced Photography</td>
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<tr>
<td>3 hrs</td>
<td>PGY 4440C: Special Problems in Photography</td>
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1 May be repeated for credit.

**Sculpture**

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<th>Course</th>
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<tr>
<td>3 hrs</td>
<td>ART 2701C: Sculpture</td>
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<tr>
<td>3 hrs</td>
<td>ART 4710C: Advanced Sculpture</td>
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1 May be repeated for credit.

**Type and Design**

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<th>Course</th>
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<tr>
<td>3 hrs</td>
<td>GRA 3202C: Type &amp; Design</td>
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</table>

1 May be repeated for credit.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- Met by graduation requirement.
UF 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 1090C 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 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 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

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 2030C 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 1020 Concepts in Chemistry 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ART 3950 Portfolio Review 0 hrs

Senior Year - Fall
- ARH 3430 19th Century Art 3 hrs
- ART 4320C Advanced Drawing 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- ARH 4350 Baroque Art 3 hrs
- ART 4320C Advanced Drawing 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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
407-823-2576

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 hard-
ware 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 semes-
  ter hours of regularly scheduled 3000-4000 level courses taken from the
  UCF School of Visual Arts and Design. Nine of these must be in an area
  of specialization.
Students must earn at least a "C" (2.0) in each required course, except DIG 2000 as noted.

Co-op internship credits are not permitted in this major without prior written permission.

Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Science Foundations (6 hrs)

E: Social Foundations (6 hrs)

2. Core Requirements: Advanced Level (3 hrs)

Take all of the following:

- ARH 2050 History of Western Art I
- ARH 2051 History of Western Art II
- Select a course from group B.1 or B.2

3. Core Requirements: Basic Level (6 hrs)

- ART 2301C Drawing Fundamentals I
- ART 2301C Drawing Fundamentals II
- ARH 2050 History of Western Art I
- ARH 2051 History of Western Art II
- 1 GEB 2101C Introduction to Computer Art

4. Core Requirements: Technical Entrepreneurship (18 hrs)

- ART 2301C Drawing Fundamentals I
- ART 2301C Drawing Fundamentals II
- ARH 2050 History of Western Art I
- ARH 2051 History of Western Art II
- Select one:
  - DIG 3034C Computer as a Medium
  - DIG 3716C Internet Interaction
  - DIG 3480C Computer as a Medium
  - DIG 3716C Internet Interaction
  - DIG 3480C Computer as a Medium
  - DIG 3716C Internet Interaction

5. Restricted Electives (21 hrs)

- Select restricted electives as required from each of these four areas of emphasis:
  - Aesthetics and Theory (6 hrs)
    - Select 2:
      - ARH 4450 20th Century Art
      - ARH 3471 Art in the Last 25 Years
      - ARH 3710 History of Photography I
      - ARH 3711 History of Photography II
      - ARH 3720 History of Prints
      - ARH 4800 Theory and Criticism of the Visual Arts
      - PHI 3000 Aesthetics
      - FIL 3941 History of Animated Films I
      - FIL 4042 History of Animated Films II
  - Written Communication (3 hrs)
    - Select 1:
      - DIG 3024 Digital Cultures & Narrative
      - ENC 3241 Writing for the Technical Professional
      - ENC 3250 Professional Writing
      - ENC 3311 Advanced Expository Writing
  - Information Management (6 hrs)
    - Select 2:
      - DIG 3525 Digital Media Production I
      - DIG 3490C Computer as a Medium
      - DIG 3563 Information Management and Entrepreneurship
      - DIG 3716C Internet Interaction
      - DIG 4630C Media Business Practices
      - DIG 5665C Digital Asset Management Systems

6. Capstone Requirements (6 hrs)

- Select 1:
  - FIL 5612 Film and Internet Business
  - ARE 3944 Community Arts Practicum
  - ARE 4262 Methods in Art Administration
  - ARH 3820 Visual Arts Administration
  - FIL 4647 Film Production Management
  - PGY 3480 Museum and Gallery Practices

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- (Credit hours are variable)
- Select primarily from upper level courses, with school advisor's approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Art - 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.
## UCF Degree Programs

### 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

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Freshman Year - Fall</td>
<td>ARH 2050</td>
<td>ENC 1102</td>
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<tr>
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<td>History of Western Art I</td>
<td>Composition I</td>
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<td>1 HUM 2210</td>
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<td>Humanistic Tradition I</td>
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<td>2 MGF 1106</td>
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<td>Finite Mathematics</td>
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<td>ART 2823</td>
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<tr>
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<td>Design Fundamentals-Two Dimensional</td>
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<td>Introduction to Computer Art</td>
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<td>3 Supporting Elective</td>
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<td>Basic Statistics Using Microsoft Excel</td>
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<td>Design Fundamentals-Two Dimensional</td>
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<td>GRA 2101C</td>
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<td>Introduction to Computer Art</td>
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<td>2 req #D1-GEP</td>
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<tr>
<td>Freshman Year - Spring</td>
<td>ARH 2050</td>
<td>ENC 1102</td>
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<td></td>
<td>History of Western Art II</td>
<td>Composition I</td>
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<td>History of Western Art I</td>
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<td>1 Restricted Elective</td>
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<td>ENC 1102</td>
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<tr>
<td></td>
<td>History of Western Art I</td>
<td>Composition I</td>
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<td>2 Check restrictions</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.oes.ucf.edu/alic/academic_learning_compacts.htm](http://www.oes.ucf.edu/alic/academic_learning_compacts.htm)

### Art Education (B.S.)

#### College of Education

**School of Teaching, Learning, and Leadership,**

**Education Building, Room: 209**

[http://education.ucf.edu/arted](http://education.ucf.edu/arted)

Dr. Thomas Brewer, ED 122U, tbrewer@mail.ucf.edu, 407-823-3714

Dr. Janet Andreaen, ED 123Q, jandrea@mail.ucf.edu, 407-823-5430

#### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

#### Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP)**
   - **(36 hrs)**
   - Students are strongly advised to take the preferred courses.

#### A: Communication Foundations
- **(9 hrs)**
  - Required ENC 1101 Composition I 3 hrs
  - Required ENC 1102 Composition II 3 hrs
  - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations
- **(9 hrs)**
  - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
  - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
  - 1 Required ARH 2050 History of Western Art I 3 hrs

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

#### C: Mathematical Foundations
- **(6 hrs)**
  - Prefer MGF 1106 Finite Mathematics 3 hrs

#### Select 1:
- **(3 hrs)**
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
  - Prefer STA 2014C Principles of Statistics 3 hrs

#### D: Social Foundations
- **(6 hrs)**
  - Prefer POS 2041 American National Government 3 hrs
  - Prefer PSY 2012 General Psychology 3 hrs

#### E: Science Foundations
- **(6 hrs)**
  - Preferred PSC 1121 Physical Science 3 hrs

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**University of Central Florida**

134 Undergraduate Catalog 2011-2012
Select 1:  
3 hrs
 Prefer ANT 2511 The Human Species  
3 hrs
 Prefer BSC 1005 Biological Principles  
3 hrs

2. Common Program Prerequisites (CPP)  
(9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession  
3 hrs
1 EDF 2085 Introduction to Diversity for Educators  
3 hrs
EME 2040 Introduction to Technology for Educators  
3 hrs

1. In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level  
(30 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2754C</td>
<td>Beginning Ceramics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2500C</td>
<td>Beginning Painting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2400C</td>
<td>Beginning Printmaking</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 2401C</td>
<td>Beginning Photography</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level  
(30 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues</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>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Internship I  
3 hrs
- Prior to Internship I, the student must have completed EDF 4410 Teaching Strategies and Classroom Management and at least 50% of all required art courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester (if CLAS was used for admission) and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading, TSL 4080 Theory and Practice of Teaching ESOL, ART 2301C Drawing Fundamentals, and ART 2754C Beginning Ceramics.
- 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/clinical/exp/

5. Restricted Electives  
(9 hrs)
- Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval)  

6. Capstone Requirements (12 hrs)
- Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
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 1008 Fundamentals of Oral Communication 3 hrs
- PSC 1121 Physical Science 3 hrs

Sophomore Year - Fall
- ART 2203C Design Fundamentals -Three Dimensional 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 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
- PGE 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
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Spring
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ART 2500C Beginning Painting 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- ARE 4250 Art for Exceptionalities 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 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.oetas.ucf.edu/ual/caacademic_learning_compacts.html

Athletic Training (B.S.)
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 208
http://www.cohpa.ucf.edu/health.pro/athletic_training.shtml
E-mail: atinfo@mail.ucf.edu
Kristen C. Schellhase
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 internships deemed essential to graduation. Each candidate must provide a copy of a recent physical examination by a physician.

- Candidates for selection to the Program in Athletic Training must demonstrate:
The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm; sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients; the ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice; the ability to record the physical examination results and a treatment plan clearly and accurately; the capacity to maintain composure and continue to function well during periods of high stress; the perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced; flexibility and the ability to adjust to changing situations and uncertainty in clinical situations; affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

### Degree Requirements

Students who are Athletic Training pending and are admitted to the major must adopt the most current catalog.

Students who are Athletic Training pending and are admitted to the major must adopt the most current catalog.

### Admission

Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

- Students should consult with a departmental advisor.
- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar. Once admitted into the Program in Athletic Training, students must meet the Clinical Education Coordinator and/or Program Director before advancement in any potential scheduling conflicts.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College and should usually be completed in the first 60 hours.
- UCF Residency Requirement: 30 hours

### 1. UCF General Education Program (GEP)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
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<tbody>
<tr>
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<tr>
<td>SPC 1008 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
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<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
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<tr>
<td>MAC 1114 College Trigonometry</td>
<td>3 hrs</td>
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<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
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<td>Suggested</td>
<td></td>
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<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>MAC 2201 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>(8 hrs)</td>
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<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
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<tr>
<td>MAC 2045C Chemistry Fundamentals II</td>
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<tr>
<td>Suggested</td>
<td></td>
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<tr>
<td>PSY 2021 General Psychology</td>
<td>3 hrs</td>
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</table>

### 2. Common Program Prerequisites (CPP)

The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

| Suggested | (15 hrs) |
| BSC 2010C Biology | GEP |
| ZOO 3733C Human Anatomy | 4 hrs |
| PCB 3101C Human Physiology | 4 hrs |
| HUN 2002 Modern Concepts in Nutrition | 3 hrs |
| STA 2023 Statistical Methods I | GEP |
| PSY 2012 General Psychology | GEP |

### Select 1:

- One of the following courses must be taken as a prerequisite or corequisite to course requirements.

| 4 hrs |
| PHYS 2053C College Physics I | 4 hrs |
| PHYS 2048C Physics for Engineers & Scientists I | 4 hrs |

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (62 hrs)

#### Professional Phase

- The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.

| 3 hrs |
| ATR 4014C Introduction to Athletic Training |
| ATR 3102 Principles of Athletic Training |
| 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 4302C Therapeutic Modalities in Athletic Training | 4 hrs |
| ATR 4512C Organization and Administration of Athletic Training | 3 hrs |
| PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance | 3 hrs |
| ATR 4315C Advanced Rehabilitation in Athletic Training | 3 hrs |
| ATR 4832L Practicum in Athletic Training III | 4 hrs |
| PET 4606 Applied Fitness in Sport | 3 hrs |
| ATR 4842L Practicum in Athletic Training IV | 4 hrs |
| ATR 4103 Sports Medicine Field Application | 3 hrs |
| ATR 4933 Athletic Training Seminar | 1 hr |

### 5. Restricted Electives

- None

### 6. Capstone 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

- 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
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
PQS 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
HUN 2002 Modern Concepts in Nutrition 3 hrs
PCB 2703C Human Physiology 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1: 3 hrs
MUL 210 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
1 Foreign Language 4 hrs

1 If not satisfied in high school

Junior Year - Fall 12 hrs
ATR 3812L Practicum in Athletic Training I 4 hrs
ATR 3012C Clinical Skills for Athletes Trainers I 2 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
1 Free Elective 3 hrs

1 As needed to meet 120 hrs of university exit requirements.

Junior Year - Spring 12 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
1 Free Elective 3 hrs

1 As needed to meet 120 hrs of university exit requirements.

Junior Year - Summer 8 hrs
ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs

Senior Year - Fall 13 hrs
ATR 4512C Organization and Administration of Athletic Training 3 hrs
PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
ATR 4315C Advanced Rehabilitation in Athletic Training 3 hrs
ATR 4832L Practicum in Athletic Training III 4 hrs

Senior Year - Spring 11 hrs
ATR 4933 Athletic Training Seminar 1 hr
PET 4806 Applied Fitness in Sport 3 hrs
ATR 4842L Practicum in Athletic Training IV 4 hrs
ATR 4103 Sports Medicine Field Application 3 hrs
1 Free Elective 3 hrs

1 As needed to meet 120 hrs of departmental exit requirements.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15.00 per term

Biology (B.S.)

College of Sciences

Department of Biology, BL, Room: 301
http://www.cos.ucf.edu/biology

E-mail: biology@ucf.edu

Frank Loguidice
407-823-2141

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
  - No credit by exam (TSD, Military credit) may be used for the major.
  - Co-op or internship credit cannot be used in this major
  - Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.

- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
Select one of the following sequences of courses:
- NOTE: These courses are considered to be equivalents:
  - CHM 2045C Chemistry Fundamentals I GEP
  - CHM 2040 Chemistry Fundamentals IA and GEP
  - CHM 2041 Chemistry Fundamentals IB GEP

Complete one entire physics sequence:
  - PHY 2049C Physics for Engineers & Scientists I and 4 hrs
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs
  - PHY 2053C College Physics I and 4 hrs
  - PHY 2054C College Physics II 4 hrs

3. Core Requirements: Basic Level (8 hrs)
   - Students planning on entering professional or graduate school should take Biochemistry as well as additional Calculus courses.
   - Students are urged to consult their departmental advisor.
   - STA 2023 Statistical Methods I GEP/CPP

Complete one entire chemistry sequence:
  - CHM 2210 Organic Chemistry I and 3 hrs
  - CHM 2211 Organic Chemistry II and 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs

4. Core Requirements: Advanced Level (13 hrs)
   - 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

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 3 hrs
Complete a minimum of one lecture course from this group:
  - BCH 4035 Biochemistry I or 3 hrs
  - BCH 4054 Biochemistry II or 3 hrs
  - BOT 4223C Plant Anatomy or 4 hrs
  - BOT 4303C Plant Kingdom or 5 hrs
  - BOT 4503 Plant Physiology or 3 hrs
  - BSC 4101 History of Biology or 3 hrs
  - BSC 4454 Research in Animal Physiology or 2 hrs
  - PCB 3024L Molecular Cell Biology Laboratory or 2 hrs
  - PCB 3063 Genetics or 3 hrs
  - PCB 4683 Evolutionary Biology or 4 hrs
  - PCB 3233 Immunology or 3 hrs
  - PCB 3703C Human Physiology or 4 hrs
  - PCB 4574 Genetics II or 3 hrs
  - PCB 4574 Molecular Biology II or 3 hrs
  - PCB 4678 Evolution and Medicine or 3 hrs
  - PCB 4683 Evolutionary Biology Lab or 1 hr
  - PCB 4684 Population Genetics or 3 hrs
  - PCB 4723 Animal Physiology or 4 hrs
  - PCB 5665C Human Genetics or 4 hrs
  - PCB 5935 Population Genetics or 3 hrs
  - ZOO 3713C Comparative Vertebrate Anatomy or 5 hrs
UCF Degree Programs

ZOO 3733C Human Anatomy or 4 hrs
ZOO 4603C Embryology/Development or 5 hrs
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 group. 3 hrs

1 BOT 3018C Culinary Botany Across the Cultures or 3 hrs
1 BOT 3152C Local Flora or 3 hrs
1 BOT 3802 Ethnobotany or 3 hrs
1 BOT 4156C Florida Wildflowers or 4 hrs
1 BOT 4686C Conservation and Management of Native Plants or 4 hrs
1 BOT 4740C Medicinal Botany or 3 hrs
2 BSC 3304C River Ecology or 4 hrs
2 BSC 3355C Tropical Marine Biology or 2 hrs
2 BSC 3442 Aquatic Ecology or 3 hrs
2 PCB 3455C Ecosystems of Florida or 5 hrs
2 PCB 4312C Marine Biology or 4 hrs
2 BSC 4330 Invasion Biology or 3 hrs
2 BSC 5288L Tropical Biology Research and Conservation or 3 hrs
2 BSC 5824 Biogeography or 4 hrs
2 PCB 3044L Principles of Ecology Laboratory or 1 hr
2 PCB 3304C River Ecology or 4 hrs
2 PCB 3355C Tropical Marine Biology or 2 hrs
2 PCB 3442 Aquatic Ecology or 3 hrs
2 PCB 3526C Ecosystems of Florida or 5 hrs
2 PCB 4312C Marine Biology or 4 hrs
2 PCB 5435C Marine Ecology of Florida or 4 hrs
2 PCB 5485 Models in Ecology or 3 hrs
2 PAZ 4234 Zoo and Aquarium Management or 3 hrs
2 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 group. 3 hrs

 BOT 4434C General Mycology or 4 hrs
1 BOT 4713C Plant Taxonomy or 5 hrs
1 BOT 5455C Terrestrial Cryptogams or 3 hrs
2 ENY 4004C General Entomology or 4 hrs
2 ENY 5006C Entomology or 4 hrs
2 MCB 3020C General Microbiology or 5 hrs
2 ZOO 4001C Invertebrates or 4 hrs
2 ZOO 4001C Vertebrate Evolution & Ecology or 4 hrs
4310C
2 ZOO 4480 Mammalogy or 4 hrs
2 ZOO 4850 Animal Behavior 4 hrs
5465C
2 ZOO 5455C Field Ornithology 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Fulfills Zoology requirement. Offered in Biology department.

6. Capstone Requirements

1. 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

1. None

8. Electives

1. Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements

1. None

10. Required Minors

1. None

11. Departmental Exit Requirements

1. 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

- Environmental Engineering
- Biomedical Sciences
- Science Education - Biology

Certificates

- None

Related Minors

- Biology
- Environmental Studies
- Biomedical Sciences

Advising Notes

1. Students are urged to contact their departmental advisor before registering for courses.
2. 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 BSC X010 and BSC X010 with lab.
  - CHM 2045C: May use CHM X040 plus CHM X014.
- 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 courses are required by the degree program, the student must provide all supporting information.

Plan of Study

1. 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.
2. Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs

BSC 2010C Biology 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.

Equipment Fees
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

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
- 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 4 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)
- 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 (7 hrs)

C: Mathematical Foundations (4 hrs)
- Note: Prior to enrolling in Math, take Math Placement Test – http://mathplacement.sdes.ucf.edu/
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

Statistics: (3 hrs)
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs

Select the sequence identified by the Chemistry Placement exam;
- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- 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 3 hrs
and
- Required CHM 2041 Chemistry Fundamentals IB 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.
- BSC 2010C Biology I GEP
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I GEP
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2311 Calculus with Analytic Geometry I GEP
- STA 2023 Statistical Methods I GEP

Co-op or internship credit cannot be used in this major.

No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
- BSC 442L Biology Laboratory Techniques 1 hr
- BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs

Upon reaching junior standing, Biology majors are expected to have completed the following courses. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- BSC 2010C Biology I
- BSC 2011C Biology II
- CHM 2045C Chemistry Fundamentals I
- CHM 2046 Chemistry Fundamentals II
- CHM 2046L Chemistry Fundamentals Laboratory
- CHM 2210 Organic Chemistry I
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Laboratory Techniques I
- PHY 2053C College Physics I
- PHY 2054C College Physics II
UCF Degree Programs

Complete one entire physics sequence:

- 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 and Scientists II and 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 GEP
- 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 and 3 hrs

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 3 hrs
- BCH 4054 Biochemistry II or 3 hrs
- 1 BSC 4454 Research in Animal Physiology or 2 hrs
- 2 PCB 3024L Molecular Cell Biology Laboratory or 2 hrs
- 2 PCB 3063L Genetics Laboratory or 1 hr
- PCB 3233 Immunology or 3 hrs
- 2 PCB 4514 Genetics II or 3 hrs
- 2 PCB 4678 Evolution and Medicine or 3 hrs
- 1 PCB 4723 Animal Physiology or 4 hrs
- 2 PCB Human Genetics or 4 hrs
- 5665C
- 1 ZOO Comparative Vertebrate Anatomy or 5 hrs
- 3713C
- 1 ZOO Embryology/Development or 5 hrs
- 4603C
- ZOO 4753C Vertebrate Histology 4 hrs

1 Fulfills Zoology requirement. Offered in Biology department.
2 Offered in Biology department.

Environmental

Complete a minimum of one lecture course from this group.

- 1 BOT 3802 Ethnobotany or 3 hrs
- 1 BOT 4850 Medicinal Botany 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.

Systematic

Complete a minimum of one lecture course from this group.

- MCB 3023C General Microbiology or 5 hrs
- 1 ZOO Biology and Ecology of Metazoan 4 hrs
- 4205C Invertebrates or 1 ZOO 4 hrs
- Vertebrate Evolution & Ecology 4 hrs

1 Fulfills Zoology requirement. Offered in Biology department.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Spanish is highly recommended.

8. Electives
- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements
- None
- 10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- 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).
### 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](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)

- **Freshman Year - Fall**
  - BSC 2010C  Biology I  GEP
  - 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 2049C  Physics for Engineers and Scientists II  4 hrs
  - PCB 4683  Evolutionary Biology  4 hrs
  - Restricted Elective 3 hrs
  - GEP 3 hrs

- **Senior Year - Fall**
  - 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

**Plan of Study**

- **Sophomore Year - Spring**
  - 15 hrs
  - **MAC 2311  Calculus with Analytic Geometry I**  GEP
  - **CHM 2045C  Chemistry Fundamentals I**  4 hrs
  - **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

- **Senior Year - Fall**
  - 15 hrs
  - **restricted elective** 4 hrs
  - **GEP** 3 hrs
  - **GEP** 3 hrs
  - **Restricted Elective** 4 hrs
  - **Free Elective** 2 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 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/

**Sophomore Year - Spring**

- **Select 1:** 3 hrs
- **Select 2:** 4 hrs
- **Select 3:** 3 hrs

**Junior Year - Fall**

- 16 hrs
- **Choose at least 4 hrs from:**
  - **CHM 2045C**
  - **BSC 2011C**
  - **CHM 2046**
  - **CHM 2046L**
- **Math prerequisite/Restricted Elective** 4 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

**Notes**

- 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.oelas.ucf.edu/alc/academic_learning_compacts.html

**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](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.

### UCF General Education Program (GEP) (38 hrs)

- **Freshman Year - Fall**
  - BSC 2010C  Biology I  GEP
  - 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 2049C  Physics for Engineers and Scientists II  4 hrs
  - PCB 4683  Evolutionary Biology  4 hrs
  - Restricted Elective 3 hrs
  - GEP 3 hrs

- **Senior Year - Fall**
  - 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

**Plan of Study**

- **Sophomore Year - Spring**
  - 15 hrs
  - **MAC 2311  Calculus with Analytic Geometry I**  GEP
  - **CHM 2045C  Chemistry Fundamentals I**  4 hrs
  - **ENC 1102  Composition II**  3 hrs
  - **Prefer SPC 1603 Fundamentals of Technical Presentations**

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations**

- **Select 1:** 4 hrs
  - Suggested MAC 2311  Calculus with Analytic Geometry I or
  - Suggested MAC 2253  Applied Calculus I

- **Select 1:** 3 hrs
  - Suggested STA 2023  Statistical Methods I or
  - Suggested CGS 1060C  Introduction to Computer Science

**D: Social Foundations**

- **E: Science Foundations**
  - **Required SPC 1603 Fundamentals of Technical Presentations**
  - **Required CHM 2045C Chemistry Fundamentals I**

**2. Common Program Prerequisites (CPP)**

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- **BSC 2010C  Biology I**
  - GEP
  - **BSC 2011C  Biology II**
  - **CHM 2045C Chemistry Fundamentals I**

- **CHM 2046  Chemistry Fundamentals II**
  - **CHM 2046L Chemistry Fundamentals Laboratory**
  - **MAC 2311 Calculus with Analytic Geometry I**
  - GEP
UCF Degree Programs

Select one of the following sequences of courses:

**Math, Statistics, Computer**

Select 1:
- MAC 2311 Calculus with Analytic Geometry I or 4 hrs
- MAC 2233 Calculus I 4 hrs

Select 1:
- STA 2023 Statistical Methods I or 3 hrs
- CGS 1060C Introduction to Computer Science GEP

**Chemistry**

Take all of the following: 8 hrs
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

**Life Sciences**

MCB 3020C General Microbiology 5 hrs
- MCB 4141 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

**4. Core Requirements: Advanced Level** (25 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 & Systemic 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 4503 Microbiology 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 3305 Hematology 3 hrs
- MLS 4334 Hemostasis 3 hrs
- MLS 4430C Clinical Parasitology 2 hrs
- MLS 4505C Immunodiagnostics 3 hrs
- MLS 4625 Advanced Clinical Chemistry I 3 hrs
- MLS 4630 Advanced Clinical Chemistry II 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3703C Human Physiology 4 hrs
- PCB 4028 Molecular and Cellular Pharmacology 3 hrs
- PCB 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 3063 Genetics 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4970H Honors Undergraduate Thesis I 1 hr

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

- None

**8. Electives**

- Variable. Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.
- 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.

**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**

- 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 4303H 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
Plan of Study

First Year - Fall

First Year - Spring

Second Year - Fall

Second Year - Spring

Third Year - Fall

Third Year - Spring

Fourth Year - Fall

Fourth Year - Spring

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 at the community college (lower division) level must take an additional 8 hours of upper division coursework at UCF.

Acceptable Substitutes for Transfer Courses

- CHM 2040C may be substituted with: BSC 3403C
- CHM 2045C may be substituted with: CHM 2040C
- BSC 2011C

Junior Year - Fall

Junior Year - Spring

Senior Year - Fall

Senior Year - Spring

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

- Full-Time Student: $78 per term
- Part-Time Student: $39 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.

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.

UCF Degree Programs

Full-Time Student: $78 per term

Part-Time Student: $39 per term

UNIVERSITY OF CENTRAL FLORIDA
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1663 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select 1:
Required CGS 1060C Introduction to Computer Science or
Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (6 hrs)
Select 1:
Required MG 2400C Calculus with Analytic Geometry I 3 hrs

D: Social Foundations (6 hrs)
Select 1:
Required BSC 2010C Biology I 4 hrs
Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (10 hrs)

Life Sciences: Basic
SLS 2311C Overview of Select Medical Careers 2 hrs

Math, Statistics, Computers
Select 1:
Required MAC 2311 Calculus with Analytic Geometry I or
MAC 2233 Applied Calculus I 4 hrs

Select 1:
Required STA 2023 Statistical Methods I or
Required SPC 1603 Fundamentals of Technical Presentations 4 hrs

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
MGB 3020C General Microbiology 5 hrs
MGB 4414 Microbial Metabolism 3 hrs
PB 4259 Molecular Immunology 3 hrs
PB 3233L Immunology Laboratory 1 hr
PB 3522 Molecular Biology I 3 hrs
PB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry
MGB 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.
- Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:
  - BCB 4054 Biochemistry II 3 hrs
  - MCB 3203 Pathogenic Microbiology 3 hrs
  - MCB 3404 Bacterial Genetics and Physiology 3 hrs
  - MCB 4503 Molecular Biology of Disease 3 hrs
  - MCB 4726 Hematology 3 hrs
  - MCB 4312 Molecular Biotechnology 3 hrs
  - MCB 4503C Virology 3 hrs
  - MCB 5225 Molecular Biology of Disease 3 hrs
  - MLS 3305 Hematology 3 hrs
  - MLS 4334 Hemostasis 3 hrs
  - MLS 4430C Clinical Parasitology 2 hrs
  - MLS 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
- 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
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- Minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Application and admission through the Department and the Burnett Honors College.
Plan of Study

may be substituted with: CHM 2041C
may be substituted with: CHM 2040C
Acceptable Substitutes for Transfer Courses

community college (lower division) must take an additional 8 (eight) hours meeting the Human Anatomy and Physiology I & II requirement at the
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 2010C  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 or 3 hrs
Sophomore Year - Spring 15 hrs
CHM 2211  Organic Chemistry II  3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs
BSC 3403C  Quantitative Biological Methods  4 hrs
Select 1: 3 hrs
STA 2023  Statistical Methods I or 3 hrs
CGS 1060C  Introduction to Computer Science  3 hrs
Select 1: 3 hrs
EUH 2001  Western Civilization II or 3 hrs
AMH 2020  U.S. History: 1877-Present or 3 hrs
HUM 2230  Humanistic Tradition II or 3 hrs
WOH 2022  World Civilization II  3 hrs
Junior Year - Fall 17 hrs
PCB 3522M  Molecular Biology I  3 hrs
1 BSC 2011C  Biology II  4 hrs
Select 1: 4 hrs
PHY 2053C  College Physics I or 4 hrs
2 PHY 2048C  Physics for Engineers & Scientists I  4 hrs
Select 1: 3 hrs
ECO 2013  Principles of Microeconomics 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 1693  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: bcbstinfo@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
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations
- Required STA 2023 Statistical Methods I 3 hrs

Select 1: 4 hrs
- Required MAC 2311 Calculus with Analytic Geometry I or
- Required MAC 2253 Applied Calculus I 3 hrs

D: Social Foundations

E: Science Foundations
- Required CHM 2045 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
1 BSC 2011C Biology II 4 hrs
1 CHM Chemistry Fundamentals I GEP
2045C

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
STA 2023 Statistical Methods I 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 4 hrs
  - PHY 2054C College Physics II 4 hrs
  or
  - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
  - PHY 2349C Physics for Engineers and Scientists II 4 hrs

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.

Math
- Select 1: 3 hrs
  - MAC 2311 Calculus with Analytic Geometry I or GEP
  - MAC 2253 Applied Calculus I GEP

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 for Transfer Courses

- Substitutes for Common Program Prerequisites
  - MAC X311 or MAC X233 or MAC X353 or MAC X281
  - PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
  - STA X203 or STA X122 or STA X014 or STA X024 or STA X321

Acceptable Substitutes

- CHM 2045C may be substituted with CHM 2040 and CHM 2041
- BSC 2011C Chemistry Fundamentals I may be substituted with CHM 2040
- CHM 2045C Chemistry Fundamentals I may be substituted with CHM 2041

Plan of Study

SOPHOMORE YEAR - SPRING

CHM 2210 Organic Chemistry I 3 hrs
BSC 3403C Organic Laboratory Techniques I 4 hrs
BSF 3403H Honors Undergraduate Thesis 3 hrs

JUNIOR YEAR - FALL

PCB 3522 Molecular Biology I 3 hrs
MCB 4720 Industrial Perspectives Seminar 3 hrs

JUNIOR YEAR - SPRING

PHY 2048C College Physics I or

PHYSICS PROGRAMS

- PHY 2053C College Physics I or
- PHY 2048C Physics for Engineers & Scientists I

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

JUNIOR YEAR - FALL

ECO 2013 Principles of Macroeconomics 3 hrs
POS 2041 American National Government 3 hrs

JUNIOR YEAR - SPRING

BSC 3403C Quantitative Biological Methods 4 hrs

STATA 2023 Statistical Methods I or

- ECO 2013 Principles of Macroeconomics
- POS 2041 American National Government

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

SENIOR YEAR - FALL

MCB 4414 Microbial Metabolism 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
Free Elective 3 hrs

SENIOR YEAR - SPRING

PCB 4529 Experimental Molecular Biology 3 hrs
PCB 4174 Foundation of Bio-Imaging Science 3 hrs

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

GENERAL REQUIREMENTS

- 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.

MCB 3020C General Microbiology 3 hrs
MCB 4721C Methods in Biotechnology 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
Free Elective 3 hrs

JUNIOR YEAR - SPRING

PCB 3522 Molecular Biology I 3 hrs

ECO 2013 Principles of Macroeconomics 3 hrs

STATA 2023 Statistical Methods I or

- ECO 2013 Principles of Macroeconomics
- POS 2041 American National Government

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

SENIOR YEAR - FALL

MCB 4414 Microbial Metabolism 3 hrs
MCB 4721C Methods in Biotechnology 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
Free Elective 3 hrs

SENIOR YEAR - SPRING

PCB 4529 Experimental Molecular Biology 3 hrs
PCB 4174 Foundation of Bio-Imaging Science 3 hrs
UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/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 (Clemont 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 transferred 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
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required MAC 1140 Pre-Calculus Algebra 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs
   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Suggested ECO 2013 Principles of Macroeconomics 3 hrs
   or Suggested ECO 2023 Principles of Microeconomics 3 hrs

   Select 1: 3 hrs
   Suggested ANT 2000 General Anthropology or 3 hrs

Suggested ECO 2013 Principles of Macroeconomics 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.

EOC 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:
- 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

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- Existing non-business minor offered at Regional Campuses

11. Departmental Exit Requirements
- None
### Chemistry (B.S.)

**College of Sciences**  
**Department of Chemistry, Chemistry, Room: 117**  
[http://chemistry.cos.ucf.edu/](http://chemistry.cos.ucf.edu/)  
**E-mail:** chemstaf@mail.ucf.edu  
Dr. Pedro Patino  
407-823-2245

#### Admission Requirements
- **None**

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two-semester sequence has already been taken at the community college.
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- **CHM 2045C** Chemistry Fundamentals I 4 hrs
- **CHM 2046** Chemistry Fundamentals II 3 hrs
- **CHM 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 1603** Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)

**C: Mathematical Foundations** (7 hrs)
- Required **MAC 2311** Calculus with Analytic Geometry I 4 hrs
- Prefer **STA 2023** Statistical Methods I 3 hrs

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (8 hrs)
- Required **PHY 2048C** Physics for Engineers & Scientists I 4 hrs
- Required **BSC 2010C** Biology I 4 hrs

#### 2. Common Program Prerequisites (CPP) (24 hrs)

**See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**

**Prior to enrolling in Chemistry, you must take the Chemistry Placement Test – [http://chemplacement.sdes.ucf.edu](http://chemplacement.sdes.ucf.edu)**
- **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

### Undergraduate Catalog 2011-2012

**Department of Chemistry, Chemistry, Room: 117**

**E-mail:** chemstaf@mail.ucf.edu

Dr. Pedro Patino  
407-823-2245

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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 majored.
- 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.oear.ucf.edu/alc/academic_learning_compacts.htm](http://www.oear.ucf.edu/alc/academic_learning_compacts.htm)

**Acceptable Substitutes for Transfer Courses**

**Plan of Study**
- None

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.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  
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 high Chem Placement scores:
  - CHM 2045C  Chemistry Fundamentals I  
- Students with little chemistry background should take 2 this semester equivalent instead.
  - CHM 2040  Chemistry Fundamentals IA and CHM 2041  Chemistry Fundamentals IB  

3. Core Requirements: Basic Level
   - PHY 2048C  Physics for Engineers & Scientists I  
   - PHY 2049C  Physics for Engineers and Scientists II  

Select 1:
   - STA 1080C  Basic Statistics Using Microsoft Excel  
   - STA 2023  Statistical Methods I  

4. Core Requirements: Advanced Level
   - BCH 4053  Biochemistry I  
   - CHM 3120  Analytical Chemistry  
   - CHM 3120L  Analytical Chemistry Laboratory  
   - CHM 3212L  Organic Laboratory Techniques  
   - CHM 3410  Physical Chemistry I  
   - CHM 3411  Physical Chemistry II  
   - CHM 3411L  Physical Chemistry Laboratory  
   - CHM 4610  Inorganic Chemistry  
   - CHM 4610L  Inorganic Chemistry Laboratory  
   - CHM 4130  Advanced Analytical Laboratory Technique  
   - CHM 4130L  Advanced Analytical Chemistry Laboratory  
   - CHM 4912  Directed Independent Research  
   - CHM 4930  Chemistry Seminar I  
   - CHM 4931  Chemistry Seminar II  

5. Restricted Electives
   - BCH 4054  Biochemistry II  
   - CHM 4220  Organic Chemistry III  
   - CHM 5225  Advanced Organic Chemistry  
   - CHM 5235  Applied Molecular Spectroscopy  
   - CHM 5450  Polymer Chemistry  
   - CHM 5451C  Techniques in Polymer Science  
   - CHM 5580  Advanced Physical Chemistry  
   - CHS 4200  Concepts in Industrial Chemistry  
   - CHS 4615  Environmental Chemistry  

Directed Electives
   - 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  
     - CHM 4930  Chemistry Seminar I  
     - CHM 4931  Chemistry Seminar II  

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Students are required to take a nationally normed test in chemistry 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
   - 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
   - 15 hrs
     - BSC 2010C  Biology I  
     - ENC 1101  Composition I  
     - MAC 2311  Calculus with Analytic Geometry I  
     - CHM 2045C  Chemistry Fundamentals I  

Undergraduate Catalog 2011-2012
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.

Freshman Year - Spring
ENC 1102 Composition II 14 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
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 3141 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.oes.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.

Freshman Year - Spring
ENC 1102 Composition II 14 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
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 3141 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.oes.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.
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
- **BCH 4054** Biochemistry II
- **BCH 4103L** Biochemical Methods
- **CHM 3410** Physical Chemistry I
- **CHM 3411** Physical Chemistry II
- **CHM 3411L** Physical Chemistry Laboratory
- **CHM 4610** Inorganic Chemistry
- **CHM 4912** Directed Independent Research
- **CHM 4930** Chemistry Seminar I
- **CHM 4931** Chemistry Seminar II
- **PCB 3020C** General Microbiology
- **PCB 3023** Molecular Cell Biology
- **PCB 3063** Genetics

5. Restricted Electives (10 hrs)

- Select from the following:
  - **CHM 4220** Organic Chemistry III or
  - **CHM 5225** Advanced Organic Chemistry

Additional physical, biological, and mathematical sciences courses.

- In addition to those listed above, courses selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
- These courses should be at least at the 3000 level.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:
  - **CHM 4912** Directed Independent Research
  - **CHM 4930** Chemistry Seminar I
  - **CHM 4931** Chemistry Seminar II

10. Required Minors

- None

11. Departmental Exit Requirements

- Students are required to take a nationally normed test in chemistry and biochemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- 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.

**Freshman Year - Fall**

- **BSC 2010C** Biology I
- **ENC 1101** Composition I
- **MAC 2311** Calculus with Analytic Geometry I
- **CHM 2045C** Chemistry Fundamentals I

15 hrs

**Freshman Year - Spring**

- **ENC 1102** Composition II
- **Chemistry**
- **MAC 2311** Calculus with Analytic Geometry II
- **GEP**

17 hrs

**Sophomore Year - Fall**

- **PHY 2048C** Physics for Engineers & Scientists I
- **CHM 2210** Organic Chemistry I
- **MAC 2313** Calculus with Analytic Geometry III
- **Statistics**

14 hrs

**Sophomore Year - Spring**

- **CHM 2211** Organic Chemistry II
- **PHY 2049C** Physics for Engineers & Scientists II
- **CHM 2211L** Organic Laboratory Techniques I
- **CHM 3120** Analytical Chemistry
- **PCB 3063** Genetics

16 hrs
### Junior Year - Fall
- **GEP**: 3 hrs
- **BCH 4053**: Biochemistry I 3 hrs
- **PCB 3023**: Molecular Cell Biology 3 hrs
- **CHM 3212L**: Organic Laboratory Techniques II 2 hrs
- **GEP**: 3 hrs

### Junior Year - Spring
- **GEP**: 3 hrs
- **MCB 3020C**: General Microbiology 5 hrs
- **BCH 4054**: Biochemistry II 3 hrs
- **BCH 4103**: Biochemical Methods 2 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

### Senior Year - Spring
- **GEP**: 3 hrs
- **CHM 4912**: Directed Independent Research 3 hrs
- **CHM 4931**: Chemistry Seminar II 1 hr
- **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

### Civil Engineering (B.S.C.E.)

#### College of Engineering and Computer Science

#### Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211

http://www.cece.ucf.edu

Carol Ann Pohl, carol.pohl@ucf.edu
Dr. F. Necati Catbas, fikret.catbas@ucf.edu
407-823-2841

#### Undergraduate Catalog 2011-2012

#### 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)

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 Cultural Foundations 6 hrs
- Select one course from Historical 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 Foundation Group 1 3 hrs
- Select one course 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.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<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>
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<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 &amp; Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select one of the following sequences of courses:

- **Preferred course**
  - **CHS 1440**: Fundamentals of Chemistry for Engineers 4 hrs

- **or - First alternative: Select all of the following**
  - **CHM 2040**: Chemistry Fundamentals IA and 3 hrs
  - **CHM 2041**: Chemistry Fundamentals IB 3 hrs

- **or - Second alternative**
  - **CHM 2045C**: Chemistry Fundamentals I 4 hrs

#### 3. Core Requirements: Basic Level (26 hrs)
- **EGN 1006C**: Introduction to the Engineering Profession 1 hr
- **EGN 1007C**: Engineering Concepts and Methods 1 hr

#### 4. Core Requirements: Advanced Level (63 hrs)
- **EGN 3310**: Engineering Analysis-Statics 3 hrs
- **EGN 3321**: Engineering Analysis-Dynamics 3 hrs
- **EGN 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 3 hrs
- **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 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

- 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 BSE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- Senior Design Courses
  - CGN 4808C CECE Capstone Design 3 hrs

Design Specialization 3 hrs

- 1 CEG 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

1 A ‘C’ (2.0) or better is required in this course.

7. Foreign Language Requirements

Admissions

- Two years of foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 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

- 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 (128 hrs)

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

**Freshman Year - Fall**

- ENC 1101 Composition I 3 hrs
- GEP 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-Statics 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
- GEP 3 hrs

**Junior Year - Fall**

- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CGN 3700C Civil Engineering Measurements 4 hrs

**Junior Year - Spring**

- ENC 1101 Composition I 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- CWR 4632C Water Resources Engineering 4 hrs
- TTE 3810 Highway Engineering 3 hrs

**Senior Year - Fall**

- CES 4605 Steel Structures 3 hrs
- ENV 4531 Environmental Engineering Operations & Processes I 3 hrs

**Discipline Depth** 6 hrs

- CEG 4012 Geotechnical Engineering II or 3 hrs
- CWR 4633C Water Resources Engineering II or 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
- TTE 4274 Transportation Engineering Systems 3 hrs

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Design Elective 3 hrs
CEG 4801C Geotechnical Engineering Design or 3 hrs
CES 4734C Structural Design or 3 hrs
CWR 4812C Water Resources Design or 3 hrs
ENV 4562C Environmental Engineering Water Treatment Design or 3 hrs
TTE 4601C Urban Systems Design 3 hrs

Senior Year - Spring 12 hrs
GEP 3 hrs
EGN 3343 Thermodynamics 3 hrs
CGN 4808C CECE Capstone Design 3 hrs

Discipline Depth 3 hrs
CEG 4012 Geotechnical Engineering II or 3 hrs
CWR 4633C Water Resources Engineering II or 3 hrs
TTE 4274 Transportation Engineering Systems or 3 hrs
ENV 4561 Environmental Engineering Operations & Processes II 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Communication Sciences and Disorders (B.A./B.S.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www 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)

C: Mathematical Foundations (6 hrs)
Select 1:
Suggested STA 2014C Principles of Statistics or 3 hrs
Suggested STA 2023 Statistical Methods I 3 hrs

Select 1:
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
Suggested PST 2012 General Psychology 3 hrs
Select 1: 3 hrs

Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
Suggested ECO 2023 Principles of Microeconomics or 3 hrs
Suggested POS 2041 American National Government 3 hrs

2. E: Science Foundations (6 hrs)

Select 1:
Prefer BSC 1005 Biological Principles 3 hrs
Required PHY 2XXX Physics Course 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (56 hrs)

Select 1:

Statistics Requirement 3 hrs
- Students have two options for completing this requirement:
Option 1: 3 hrs
STA 2023 Statistical Methods I and 3 hrs
STA 4163 Statistical Methods II

Option 2: 3 hrs
STA 2014C Principles of Statistics and 3 hrs
SPA 4803 Research Methods in Communication Sciences and Disorders or 3 hrs
STA 2023 Statistical Methods I and 3 hrs
SPA 4803 Research Methods in Communication Sciences and Disorders

5. Restricted Electives (9 hrs)
- An additional nine credit hours of upper division course work in Communication Sciences and Disorders selected in consultation with an academic advisor.

B.A./B.S. Option:
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.
UCF Degree Programs

6. Capstone Requirements
   SPA 4870C Capstone Course 3 hrs

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   - None
   Electives
   - Students can choose 12 hours of electives. A minor or certificate is encouraged.
   Additional Requirements
   - None
   Required Minors
   - None
   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.
   University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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 16 hrs
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: 3 hrs
ARH 2050 History of Western Art I or 3 hrs
ARH 2051 History of Western Art II or 3 hrs
MUL 2010 Enjoyment of Music or 3 hrs
THE 2000 Theatre Survey or 3 hrs
REL 2300 World Religions or 3 hrs
PHI 2010 Introduction to Philosophy or 3 hrs
LIT 2110 World Literature I or 3 hrs
LIT 2120 World Literature II or 3 hrs
FIL 1000 Cinema Survey 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
DEP 2004C Developmental Psychology 3 hrs

Select 1: 3 hrs
PHY 2XXX (Physics Course) 3 hrs

Select 1: 3 hrs
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: 3 hrs
EUH 2000 Western Civilization I or 3 hrs
HUM 2210 Humanistic Tradition I or 3 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs

Sophomore Year - Fall 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
SPA 3471 Communication Disorders in Literature and Media 3 hrs
Free Elective 3 hrs

Select 1: 3 hrs
AMH 2010 U.S. History: 1877-Present 3 hrs

Select 1: 3 hrs
MGF 1106 Finite Mathematics or 3 hrs
MAC 1105C College Algebra 3 hrs

Sophomore Year - Spring 13 hrs
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: 3 hrs
EAB 3703C Principles of Behavior Modification or 4 hrs
EDE 3303 Learning Environments and Guidance for Young Children or 3 hrs
EEH 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: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Summer 9 hrs
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 301I Speech Science I: Production 3 hrs
SPA 301IL 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
SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

Select 1: 3 hrs
SPA 3104 Neural Bases of Communication 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
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
Preference ECO 2013 Principles of Microeconomics 3 hrs
Preference ECO 2023 Principles of Macroeconomics 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
2 CHM 2045C Chemistry Fundamentals I 4 hrs
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.

Select 1: 3 hrs
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 3022 Probability and Statistics for Engineers GEP
Select 1: 3 hrs
EGN 3321 Engineering Analysis-Dynamics or
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 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
EEL 3307C Electronics I 4 hrs
EEL 3342C Digital Systems 3 hrs
EEL 3801C Computer Organization 3 hrs
EEL 4742C Embedded Systems 4 hrs
EEL 4768C Computer Architecture 4 hrs
EEL 4781 Computer Communication Networks 3 hrs
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
- EEL 4914 Senior Design I (6 hrs)
- EEL 4915L Senior Design II (3 hrs)

7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None

8. Electives
- None

9. Additional Requirements
- Computer engineering students must earn at least 32 hours in residence at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 128

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics
- Physics

Mathematics - Engineering/Physics Track

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 programming language (C preferred).
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
- EGN 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
- COP 3300C Introduction to Discrete Structures 3 hrs
- EGN 3310C Engineering Analysis-Statics 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 3533C Computer Science II 4 hrs
- EEL 4742C Embedded Systems 4 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- 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 4781L Computer Communication Networks 3 hrs
- Restricted Elective 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Computer Science (B.S.)
College of Engineering and Computer Science
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)
   - Required: ENC 1101 Composition I
   - Required: ENC 1102 Composition II

Select 1:
- Prefer: SPC 1603 Fundamentals of Technical Presentations

Select 2:
- Prefer: SPC 1603 Fundamentals of Technical Presentations

2. 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
   - COP 3330 Object Oriented Programming
   - COP 3502C Computer Science I
   - COP 3503C Computer Science II
   - ENC 3241 Writing for the Technical Professional
   - CDA 3103 Computer Logic and Organization
   - COT 3100C Introduction to Discrete Structures
   - CIS 3360 Security in Computing
   - COP 3402 Systems Software
   - COP 3960 CS Foundation Exam

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
   - COP 3330 Object Oriented Programming
   - COP 3502C Computer Science I
   - COP 3503C Computer Science II
   - ENC 3241 Writing for the Technical Professional
   - CDA 3103 Computer Logic and Organization
   - COT 3100C Introduction to Discrete Structures
   - CIS 3360 Security in Computing
   - COP 3402 Systems Software
   - COP 3960 CS Foundation Exam

4. Core Requirements: Advanced Level
   (20 hrs)
   - A “C” (2.0) or better is required in all courses in this area.
   - Students must maintain at least a 2.5 GPA in the following courses.
   - Only the highest grade is used in the calculation.
   - COP 4331C Processes for Object-Oriented Software Development
   - EEL 4768C Computer Architecture
   - COP 4020 Programming Languages I
   - COP 4600 Operating Systems
   - COP 4810 Topics in Computer Science

5. Restricted Electives
   (15 hrs)
   - A “C” (2.0) or better is required in all courses in this area.
   - 4000-5000 level Computer Science courses
   - Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).
   - Advanced mathematics or statistics
   - (6 hrs)
   - Choose at least two courses from the following list of approved choices to satisfy this requirement:
     - Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.
     - MAC 2313 Calculus with Analytic Geometry III
     - MAP 2302 Differential Equations
     - MAS 3105 Matrix and Linear Algebra
     - MAS 3106 Linear Algebra

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation
   - Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None
10. Required Minors
    - None

11. Departmental Exit Requirements
    - Complete an exit survey
    - Computer Competency met by completion of major

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120
UCF 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 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
COT 3100C Introduction to Discrete Structures 3 hrs

Freshman Year - Spring 13 hrs
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 3960 CS Foundation Exam 0 hrs

Freshman Year - Summer 7 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
COP 3330 Object Oriented Programming 3 hrs

Sophomore Year - Fall 14 hrs
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 14 hrs
COP 4331C Processes for Object-Oriented Software Development 4 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
CIS 3360 Security in Computing 3 hrs

Sophomore Year - Summer 6 hrs
STA 2023 Statistical Methods I 3 hrs
GEP 3 hrs

Junior Year - Fall 14 hrs
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 13 hrs
COP 4600 Operating Systems 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
Math/Stat Restricted Elective 3 hrs
CS Restricted Elective 3 hrs

Junior Year - Summer 3 hrs
COT 4210 Discrete Structures II 3 hrs

Senior Year - Fall 12 hrs
COT 4810 Topics in Computer Science 3 hrs
CS Restricted Elective 3 hrs
GEP 3 hrs
Free Elective 3 hrs

Senior Year - Spring 12 hrs
CS Restricted Elective 3 hrs
GEP 3 hrs
Math/Stat Restricted Elective 3 hrs
Multicultural Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesa.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. Olouf, amr.olouf@ucf.edu
407-823-2941

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 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 course from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP.

3. Engineering Foundations (40 hrs)
- See section 2 Common Program Prerequisites for a list of required courses.

4. Advanced Core Requirements (33 hrs)
- See section 4 Advanced Core Requirements for a list of required courses.

5. Restricted Electives (30 hrs)
- See section 5 Restricted Electives for a list of required courses.

6. Capstone Requirements (16 hrs)
- See section 6 Capstone Requirements for a list of required courses.
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 4 hrs
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)

  1 EGN 3310 Engineering Analysis-Statistics 3 hrs
  1 EGN 3321 Engineering Analysis-Dynamics 3 hrs
  1 EGN 3331 Mechanics of Materials 3 hrs
  1 STA 3032 Probability and Statistics for Engineers 3 hrs
  1 EGN 3613 Engineering Economic Analysis 2 hrs
  1 ENV 3001 Introduction to Environmental Engineering 3 hrs
  1 CWR 3201 Engineering Fluid Mechanics 3 hrs
  1 CCE 4003 Introduction to the Construction Industry 3 hrs
  1 CCE 4034 Construction Estimating and Scheduling 3 hrs
  1 CCE 4613 Mechanical and Electrical Systems for Buildings 4 hrs
  1 CCE 4402 Construction Equipment and Productivity 3 hrs
  1 CCE 4004 Construction Methods 3 hrs
  1 CGN 3501C Civil Engineering Materials 3 hrs
  1 CGN 3700C Civil Engineering Measurements 4 hrs
  1 CWR 4632C Water Resources Engineering I 4 hrs
  1 AGG 2071 Principles of Managerial Accounting 3 hrs
  1 CES 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

  1 CEG Geotechnical Engineering I and 4 hrs
  4011C
  1 CEG Geotechnical Engineering II 3 hrs

or - Transportation Engineering

  TTE 3810 Highway Engineering and 3 hrs
  TTE 4274 Transportation Engineering Systems 3 hrs

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 CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- Required Senior Design Courses

  1 CCE 4810C Construction Design Project 3 hrs
  1 CGN 4808C CECE Capstone Design 3 hrs

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
UCF Degree Programs

Freshman Year - Spring  
ENC 1102  Composition II  3 hrs  
GEP 3 hrs  
MAC 2312  Calculus with Analytic Geometry II  4 hrs  
PHY 2048C  Physics for Engineers & Scientists I  4 hrs  
EGN 1007C  Engineering Concepts and Methods  1 hr

Sophomore Year - Fall  
MAC 2313  Calculus with Analytic Geometry III  4 hrs  
CHS 1440  Fundamentals of Chemistry for Engineers  4 hrs  
EGN 3310  Engineering Analysis-Statics  3 hrs  
EGN 3613  Engineering Economic Analysis  2 hrs  
GEP 3 hrs

Sophomore Year - Spring  
MAP 2302  Differential Equations  3 hrs  
EGN 3331  Mechanics of Materials  3 hrs  
PHY 2049C  Physics for Engineers and Scientists II  4 hrs  
ENV 3001  Introduction to Environmental Engineering  3 hrs  
GEP 3 hrs

Junior Year - Fall  
CCE 4003  Introduction to the Construction Industry  3 hrs  
CWR 3201  Engineering Fluid Mechanics  3 hrs  
EGN 3321  Engineering Analysis-Dynamics  3 hrs

Student Year - Spring  
CCE 4004  Construction Methods  3 hrs  
CCE 4402  Construction Equipment and Productivity  3 hrs  
CCE 4901C  Civil Engineering Materials  3 hrs  
CEN 3700C  Civil Engineering Measurements  4 hrs

Concrete or Steel  
CCE 4605  Steel Structures  3 hrs  
CEN 4702  Reinforced Concrete Structures  3 hrs

Senior Year - Fall  
CCE 4810C  Construction Design Project  3 hrs  
CWR 4632C  Water Resources Engineering I  4 hrs  
Approved Technical Elective  3 hrs

Select 1:  
CEG 4011C  Geotechnical Engineering I or  3 hrs  
TTE 3810  Highway Engineering  3 hrs

Senior Year - Spring  
CGN 4808C  CECE Capstone Design  3 hrs  
ACG 2071  Principles of Managerial Accounting  3 hrs  
GEP 3 hrs

Select 1:  
Take subsequent course to one selected in Fourth Year Fall.  
CEG 4012  Geotechnical Engineering II or  3 hrs  
TTE 4274  Transportation Engineering Systems  3 hrs

Program Academic Learning Compacts  
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees  
Part-Time Student: $45 per term  
Full-Time Student: $90 per term

Criminal Justice (B.A. / B.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
E-mail: cjadvise@mail.ucf.edu

Admission Requirements  
None

Degree Requirements  
Students who change degree programs and select this major must adopt the most current catalog.

Students should complete the General Education Program before transferring within the Florida Public University/Community College System.

The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.

Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.

Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (GEP)  (36 hrs)
   A: Communication Foundations  (9 hrs)
   B: Cultural & Historical Foundations  (9 hrs)
   C: Mathematical Foundations  (6 hrs)

Select 1:  
3 hrs

Suggested  CGS 1060C  Introduction to Computer Science or  3 hrs
Suggested  STA 1060C  Basic Statistics Using Microsoft Excel or  3 hrs
Suggested  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)

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  3 hrs
   CCJ 3014  Crime in America  3 hrs
   CJL 3510  Prosecution and Adjudication  3 hrs
   CJC 3010  Corrections and Penology  3 hrs
   CJE 4014  Police and Society  3 hrs
   CJJ 4701  Research Methods in Criminal Justice  3 hrs

5. Restricted Electives  (42 hrs)
   27 additional semester hours of upper division criminal justice coursework. 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
### Plan of Study

#### Freshman Year - Fall
- **14 hrs**
  - ENC 1101 Composition I
  - PAF 2102 Public Affairs Careers
  - Select 1: MGF 1106 Finite Mathematics or MAC 1105C College Algebra
  - Select 1: PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology
  - Select 1: EUH 2000 Western Civilization I or HUM 2210 Humanistic Tradition I or ANH 2010 U.S. History: 1492-1877

#### Freshman Year - Spring
- **15 hrs**
  - ENC 1102 Composition II
  - CGS 1060C Introduction to Computer Science
  - Select 1: PSC 1121 Physical Science or CHM 1020 Concepts in Chemistry
  - Select 1: PHI 2010 Introduction to Philosophy or MUL 2010 Enjoyment of Music

#### Sophomore Year - Fall
- **15 hrs**
  - Select 1: ARH 2050 History of Western Art I 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

#### Sophomore Year - Spring
- **15 hrs**
  - SELECT 1: EUH 2001 Western Civilization II or HUM 2230 Humanistic Tradition II or AMH 2020 U.S. History: 1877-Present

#### Junior Year - Fall
- **15 hrs**
  - SELECT 1: BSC 1005 Biological Principles or MCB 1310 Introduction to Biotechnology and Genetic Engineering or GLY 1030 Geology and its Applications or PSC 1121 Physical Science or ANT 2511 The Human Species

#### Junior Year - Spring
- **15 hrs**
  - SELECT 1: POS 2041 American National Government or ECO 2013 Principles of Macroeconomics

#### Senior Year - Fall
- **15 hrs**
  - SELECT 1: CJE 4014 Police and Society or CCJ 4701 Research Methods in Criminal Justice or Restricted Elective or Restricted Elective or Supporting Elective or CJ Elective

#### Senior Year - Spring
- **12 hrs**
  - SELECT 1: CJL 3510 Prosecution and Adjudication or CJC 3010 Corrections and Penology or Restricted Elective or Supporting Elective or CJ Elective

### Additional Requirements
- **120 hrs**
  - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Transfer Notes
- "D" (1.0) grades are not accepted.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### 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](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)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (7 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)
   ARH 2050 History of Western Art I
   ARH 2051 History of Western Art II
   ART 2201 Design Fundamentals Two Dimensional
   ART 2300 Drawing Fundamentals
   COP 2500 Concepts in Computer Science
   MAC 1105 College Algebra

3. Core Requirements: Basic Level (12 hrs)
   Admission to all courses after DIG 2000 is dependent on the student’s achieving at least a “B” (3.0) in DIG 2000.

Digital Media Core: Basic
   DIG 2000 Introduction to Digital Media
   DIG 2030C Digital Video Fundamentals
   DIG 2109C Digital Imaging Fundamentals
   DIG 2500C Fundamentals of Interactive Design

4. Core Requirements: Advanced Level (12 hrs)
   DIG 3024 Digital Cultures & Narrative
   DIG 3400C Computer as a Medium
   DIG 3525 Digital Media Production I
   DIG 4780C Modeling for Realtime Systems

Game Design (42 hrs)
- Admission to all courses after DIG 4713 is dependent on the student’s achieving at least a “B” (3.0) in DIG 4713.

Game Design: Basic Concentration (24 hrs)
   COP 3223 Introduction to Programming with C++
   COP 3330 Object Oriented Programming
   COP 4640C Media Business Practices
   DIG 4713 Game Design
   DIG 4715C Game Production
   DIG 4720C Casual Game Production
   GRA 2151C Illustration

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.
   DIG 4725C Game Design Workshop

Web Design (42 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.
   DIG 4104C Web Design Workshop

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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.frobe.org for available test dates and test sites. FTCE General Knowledge Test (GKT)-(if CLAS was used for admission) passing scores on the GKT is required prior to admission to the major. FTCE Professional Education Test (PED) and Subject Area Examination (SAE) - PK-3 passing scores strongly recommended prior to application for Internship.

- FTCE General Knowledge Test (GKT) - (if CLAS was used for admission) passing scores on the GKT is strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).

- FTCE Professional Education Test (PED) and Subject Area Examination (SAE) - PK-3 passing scores strongly recommended prior to application for Internship.

- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)

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 2010 Introduction to Philosophy or 3 hrs
- Prefer LIT 2110 World Literature I or 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)
- General Education Program elective: Prefer a second course from section B1 3 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)
- General Education Program elective from section B2: 3 hrs
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- General Education Program elective from section B2: 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 section for more information.

- EDF 2085 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

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 (9 hrs)

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- 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: 3 hrs
MAC 1105C College Algebra or  
MAE 2601 Elementary School Mathematics  4 hrs

### Select 1: 3 hrs
ARE 2000 Early Childhood Art and Creativity or  
MUE 2211 Early Childhood Music and Movement

Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

### 4. Core Requirements: Advanced Level (60 hrs)
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.

#### Semester I
- **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
- **15 hrs**

#### Semester II
- **Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.**
  - EEC 4604 Classroom Management and Guidance of Young Children  3 hrs
  - EEC 4207 Assessment and Evaluation of Young Children  3 hrs
  - TSL 4240 Issues in Second Language Acquisition  3 hrs
  - EEC 4268 Curriculum Activities in Early Childhood  3 hrs
  - EEX 3450 Young Children With Special Needs  3 hrs
- **15 hrs**

#### Summer
- **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 4003 Planning Creative Activities in Early Childhood Education  3 hrs
  - RED 3012 Basic Foundations of Reading  3 hrs
- **6 hrs**

#### Semester III
- 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](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
- **12 hrs**

#### Semester IV
- 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
- **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

#### Electives
- None

#### Additional Requirements
- None

#### Required Minors
- None

#### Departmental Exit Requirements
- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites.

#### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- **120**

#### Honors in Major
- None

#### Related Programs
- None

#### Certificates
- None

#### Related Minors
- None

#### Advising Notes
- None

#### Transfer Notes
- None

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

#### Freshman Year - Fall
- EDF 2005 Introduction to the Teaching Profession  3 hrs
- ENC 1101 Composition I  3 hrs
- MGF 1106 Finite Mathematics  3 hrs
- PSY 2012 General Psychology  3 hrs
- **12 hrs**

#### Freshman Year - Spring
- 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
- **15 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
- PDS 2041 American National Government  3 hrs
- **6 hrs**

#### Select 1:
- ARE 2000 Early Childhood Art and Creativity or  3 hrs
- MUE 2211 Early Childhood Music and Movement  3 hrs
- **3 hrs**

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*Admissions Notes:
- None

*Electives Notes:
- None

*Additional Requirements Notes:
- None

*Required Minors Notes:
- None

*Departmental Exit Requirements Notes:
- None

*University Minimum Exit Requirements Notes:
- None

*Honors in Major Notes:
- None

*Related Programs Notes:
- None

*Certificates Notes:
- None

*Related Minors Notes:
- None

*Advising Notes:
- None

*Transfer Notes:
- None

*Acceptable Substitutes for Transfer Courses Notes:
- None

*Plan of Study Notes:
- None
Sophomore Year - Fall 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
Select 1: 3 hrs
BSC 1005 Biological Principles or 3 hrs
ANT 2511 The Human Species 3 hrs
Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
GEP B1 Elective (Prefer AMH 2010) 3 hrs

Sophomore Year - Spring 12 hrs
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs
GEP B3 Elective (Prefer AMH 2020) 3 hrs

Sophomore Year - Fall 15 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
GEP B1 Elective (Prefer AMH 2010) 3 hrs

Junior Year - Fall 15 hrs
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEC 4207 Assessment and Evaluation of Young Children 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
EEC 4268 Curriculum Activities in Early Childhood 3 hrs
EEC 3450 Young Children With Special Needs 3 hrs

Junior Year - Spring 15 hrs
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEC 4207 Assessment and Evaluation of Young Children 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
EEC 4268 Curriculum Activities in Early Childhood 3 hrs
EEC 3450 Young Children With Special Needs 3 hrs

Junior Year - Summer 6 hrs
Select 1: 3 hrs
EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs
Select 1: 3 hrs
GEP B3 Elective (Prefer AMH 2020) 3 hrs

Level Requirements
Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. In addition, a minimum overall 2.75 GPA is required in all courses within the major.

Early Childhood Development and Education Track 2: Early Childhood Development (B.S.)
Department of Child, Family and Community Sciences, Education Complex, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, 122L, jlevin@mail.ucf.edu
407-823-4615

ECC 4731 Health, Safety, and Nutrition for Young Children
EDF 2130 Child and Adolescent Development for Educators
EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns
EEC 4731 Health, Safety, and Nutrition for Young Children
GEP B3 Elective (Prefer AMH 2020)

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

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Meet the CLAS requirement.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete Child Development prerequisite courses with a minimum letter grade of “C” (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail(ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
General Education Program elective from section B2: 3 hrs
Prefer REL 2300 World Religions or 3 hrs
Prefer PHI 2010 Introduction to Philosophy or 3 hrs
Prefer LIT 2110 World Literature I or 3 hrs
Prefer LIT 2120 World Literature II 3 hrs
General Education Program elective from section B1 to meet Gordon Rule Requirement. 3 hrs
General Education Program elective: Prefer a second course from GEP section B1. 3 hrs

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
Prefer MGF 1106 Finite Mathematics or 3 hrs
Prefer MGF 1107 Explorations in Mathematics 3 hrs
Select 1: 3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Prefer PSY 2012 General Psychology 3 hrs
Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
Prefer PSC 1121 Physical Science 3 hrs
UCC Degree Programs

Prefer ANT 2511 The Human Species or 3 hrs
Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   EDF 2085 Introduction to Diversity for Educators 3 hrs
   DEP 2004C Developmental Psychology 3 hrs

3. Core Requirements: Basic Level (18 hrs)
   MUE 2211 Early Childhood Music and Movement 3 hrs
   ARE 2000 Early Childhood Art and Creativity 3 hrs
   SYG 2010 Social Problems 3 hrs
   Select 1: 3 hrs
   EDF 2130 Child and Adolescent Development for Educators or 3 hrs
   SW 3104 Assessing I: Human Development 3 hrs
   Select two electives—Meet with advisor for guidance in selecting electives 6 hrs

4. Core Requirements: Advanced Level (60 hrs)
   ■ All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Practicum: Early Childhood Development. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.
   Semester I 15 hrs
   EEC 3700 Social and Emotional Development of Young Children 3 hrs
   EEC 4661 Early Childhood Education Theory and Practice 3 hrs
   RED 3310 Early Reading, Writing and Language Arts 3 hrs
   EEX 4751 Parent Involvement in Education 3 hrs
   LIN 3716 Language Development 3 hrs
   Semester II 15 hrs
   EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
   EEC 4207 Assessment and Evaluation of Young Children 3 hrs
   PET 4050C Motor Development and Learning 3 hrs
   LAE 3414 Literature for Children 3 hrs
   EEX 3450 Young Children With Special Needs 3 hrs
   Summer 6 hrs
   EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
   EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs
   Semester III 12 hrs
   EEC 4402 Cultural and Family Systems 3 hrs
   EEC 4528 Infant/Toddler Care and Education 3 hrs
   EEC 4414 Parent-Child Relations 3 hrs
   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 0810 Theory and Practice of Teaching ESOL or 3 hrs
   SOW 4650 Child Abuse: Treatment and Prevention or 3 hrs
   SOW 4654 Child’s Services 3 hrs
   Semester IV 12 hrs
   EEC 4940 Practicum: Early Childhood Development 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.

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors in Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

Transfer Notes
■ Courses taken at community colleges may substitute for select courses in prerequisites with the permission of the department.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
   EDF 2085 Introduction to Diversity for Educators 3 hrs
   ENC 1101 Composition I 3 hrs
   MGF 1106 Finite Mathematics 3 hrs
   Select Elective if needed 3 hrs

Freshman Year - Spring 15 hrs
   ENC 1102 Composition II 3 hrs
   SYG 2010 Social Problems 3 hrs
   PSY 2012 General Psychology 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
   ARE 2000 Early Childhood Art and Creativity 3 hrs
   MUE 2001 Early Childhood Music and Movement 3 hrs

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Select from a variety of courses allows students to customize their education to their specialized training in Economics within a broad liberal arts education. Flexibility to The Bachelor of Arts in Economics is designed for students who wish to receive

Select Elective if needed 3 hrs

Sophomore Year - Spring
EDF 2130 Child and Adolescent Development for Educators 3 hrs
DEP 2004C Developmental Psychology 3 hrs
POS 2041 American National Government 3 hrs
GEP B3 elective 3 hrs

Sophomore Year - Summer
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.fdoe.org for test dates and sites.
Junior Year - Fall
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
LIN 3716 Language Development 3 hrs

Junior Year - Spring
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEC 4207 Assessment and Evaluation of Young Children 3 hrs
LAE 3414 Literature for Children 3 hrs
PET 4050C Motor Development and Learning 3 hrs
EEX 3450 Young Children With Special Needs 3 hrs

Junior Year - Summer
EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs

Senior Year - Fall
EEC 4402 Cultural and Family Systems 3 hrs
EEC 4528 Infant/Toddler Care and Education 3 hrs
EEC 4414 Parent-Child Relations 3 hrs
Select Elective 3 hrs

Senior Year - Spring
EEC 4940 Practicum: Early Childhood Development 12 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Economics (B.A.)
College of Business Administration
Department of Economics, Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
Nora Underwood, BA2 302N, 407-823-1403
David Scroggin, 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
None

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 SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
1 Required STA 2023 Statistical Methods I 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Suggested ECO 2013 Principles of Macroeconomics 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) (3 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ECON 2013 Principles of Macroeconomics 3 hrs
ECON 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level
None

4. Core Requirements: Advanced Level (16 hrs)
ECON 3101 Intermediate Microeconomics 3 hrs
ECON 3203 Intermediate Macroeconomics 3 hrs
ECON 4451 Research Methods in Economics 3 hrs

Select one of the following sequences of courses:

ECON 3401 Quantitative Business Tools I 3 hrs
or
MAC 2233 Concepts of Calculus and
STA 2023 Statistical Methods I 3 hrs
Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECON 3401

Select one of the following sequences of courses:

ECON 3411 Quantitative Business Tools II 4 hrs
or
STA 4163 Statistical Methods II 3 hrs
or
STA 4321 Statistical Theory I 3 hrs

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
ECON 3223 Money and Banking 3 hrs
ECON 3410 Mathematical Economics 3 hrs
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 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

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.
- 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
1 MAC 1140 Pre-Calculus Algebra 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
1 (or Calculus)

Sophomore Year - Fall 15 hrs
1 ECO 2013 Principles of Microeconomics 3 hrs
1 ENC 1102 Composition II 3 hrs
1 STA 2023 Statistical Methods I 3 hrs
1 “C” (2.0) or better grade required in each class

Sophomore Year - Spring 15 hrs
1 ECO 2023 Principles of Microeconomics 3 hrs
2 ECO 3401 Quantitative Business Tools I 3 hrs
Foreign Language 3 hrs
1 “C” (2.0) or better grade required in each class
2 (if no prior Calculus)

Junior Year - Fall 15 hrs
ECO Elective 3 hrs
1 ECO 2013 Principles of Microeconomics 3 hrs
Free Elective 3 hrs
ECO 3101 Intermediate Microeconomics 3 hrs
1 Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
Free Elective 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs
2 ECO 3411 Quantitative Business Tools II 4 hrs
1 18 hours (minimum) of minor required.
2 (or STA 4163 or STA 4321)

Senior Year - Fall 15 hrs
ECO Elective 3 hrs
1 ECO Elective 3 hrs
1 Elective / Minor 3 hrs
Free Elective 3 hrs
1 Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
1 Elective / Minor 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs
ECO 4451 Research Methods in Economics 3 hrs
1 18 hours (minimum) of minor required.

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes)
for undergraduate programs are located at:
http://www.oed.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
Economics, Business (B.S.B.A.)
College of Business Administration
Department of Economics, Business Administration II,
Room: 305
http://www.bus.ucf.edu/economics

Michael Caputo, BA 202O, mcaputo@bus.ucf.edu, 407-823-1405
David Scrogg, BA 302U, 407-823-4129
Nora Underwood, BA 302W, 407-823-1403
407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.

Admission Requirements
- See Common Program Prerequisites
- Completion of the UCF General Education program, 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

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 GGS 2100C Computer Fundamentals for Business
   Required MAC 1140 Pre-Calculus Algebra

D: Social Foundations (6 hrs)
   Select 1:
   - Suggested ECO 2013 Principles of Macroeconomics
   - Suggested ECO 2023 Principles of Microeconomics

   Select 1:
   - Suggested ANT 2000 General Anthropology
   - Suggested PSY 2012 General Psychology
   - Suggested SYG 2000 Introduction to Sociology

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.

   Select one of the following sequences of courses:
   - ECO 3401 Quantitative Business Tools I 3 hrs
   - or 1 MAC 2233 Concepts of Calculus and Statistical Methods I 3 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
   - Must be completed with a "C" (2.0) or better.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 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

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (32 hrs)
   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 3403C Business Finance 4 hrs
   ^ GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   GEB 3375 Introduction to International Business 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs
   MAR 3203 Supply Chain Management 4 hrs

   ^ Must be taken in 1st or 2nd semester.

Required Major Courses (32 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)
   ECO 3103 Statistical Analysis I 3 hrs
   ECO 3203 Intermediate Macroeconomics 3 hrs
   ECO 3411 Quantitative Business Tools II 3 hrs
   ECO 3704 Global Economic Policy 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
   EGS 4013 Development Economics 3 hrs
   EGS 4314 Development Economics 3 hrs
   EGS 4403 Industrial Organization and Game Theory 3 hrs
   EGS 4503 Advanced Environmental and Natural Resource Economics 3 hrs

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
   ECO 3103 Statistical Analysis I 3 hrs
   ECO 3203 Intermediate Macroeconomics 3 hrs
   ECO 3704 Global Economic Policy 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

6. Capstone Requirements (4 hrs)
   MAN 4720 Strategic Management 4 hrs
   ^ This course is taken in the graduating term and requires the following prerequisites:
   - FIN 3403C Business Finance 4 hrs
   - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   - MAN 3025 Management of Organizations 4 hrs
   - MAR 3023 Marketing 4 hrs

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 prerequisites 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

<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>Required Minors</th>
<th>Required Minor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Business Economics</strong></td>
<td>None</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>15 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Pre-Calculus Algebra</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Freshman Year - Spring</strong></td>
<td>15 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>15 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ECO 3401</td>
<td>Quantitative Business Tools I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Sophomore Year - Spring</strong></td>
<td>15 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Junior Year - Fall</strong></td>
<td>15 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4 hrs</td>
<td></td>
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<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td><strong>Junior Year - Spring</strong></td>
<td>15 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Senior Year - Spring</strong></td>
<td>14 hrs</td>
<td></td>
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</tr>
<tr>
<td>ECO 4451</td>
<td>Research Methods in Economics</td>
<td>3 hrs</td>
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<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm](http://www.oecs.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](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)

<table>
<thead>
<tr>
<th>Required</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>Total Semester Hours Required</td>
</tr>
<tr>
<td>None</td>
<td>Honors In Major</td>
</tr>
<tr>
<td>None</td>
<td>Advising Notes</td>
</tr>
<tr>
<td>None</td>
<td>Transfer Notes</td>
</tr>
<tr>
<td>None</td>
<td>Acceptable Substitutes for Transfer Courses</td>
</tr>
</tbody>
</table>
Select 1: 4 hrs
Suggested SPC 1603 Fundamentals of Technical Presentations or Fundamentals of Oral Communication

Select 1: 3 hrs
Suggested SPC 1608

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

E: Science Foundations (7 hrs)
Required PHY 2048C Physics for Engineers & Scientists I GEP 4 hrs
Required PHY 2049C Physics for Engineers & Scientists II 4 hrs
Required MAP 2302 Differential Equations 3 hrs
Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

1. MAC 2311 Calculus with Analytic Geometry I GEP 4 hrs
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 4 hrs
1. PHY 2049C Physics for Engineers & Scientists II 4 hrs
1. MAP 2302 Differential Equations 3 hrs

Select 1: 4 hrs
2. CHS 1440 Fundamentals of Chemistry for Engineers 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 courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)

Courses Required for the Engineering Core 12 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3420 Engineering Analysis 3 hrs
STA 3032 Probability and Statistics for Engineers GEP 3 hrs
PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1: 3 hrs
EGN 3321 Engineering Analysis-Dynamics or 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
EEE 3350 Semiconductor Devices I 3 hrs
EEE 3307C Electronics I 4 hrs
EEE 3342C Digital Systems 3 hrs
EEL 3470 Electromagnetic Fields 3 hrs
EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
EEL 3657 Linear Control Systems 3 hrs
EEL 3801C Computer Organization 3 hrs
EEE 4309C Electronics II 4 hrs
EEL 4750 Digital Signal Processing Fundamentals 3 hrs
EEL 4742C Embedded Systems 4 hrs

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 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- EGN 1006C: Introduction to the Engineering Profession (1 hr)
- MAC 2311: Calculus with Analytic Geometry I (4 hrs)
- SPC 1603: Fundamentals of Technical Presentations (3 hrs)
- GEP: Historical Foundation (3 hrs)
- GEP: Science Foundation (3 hrs)

#### Freshman Year - Spring
- 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
- ENC 1102: Composition II (3 hrs)
- PHY 2049C: Physics for Engineers and Scientists II (4 hrs)
- EGN 3310: Engineering Analysis-Statics (3 hrs)
- MAC 2313: Calculus with Analytic Geometry III (4 hrs)

#### Sophomore Year - Spring
- PHY 3101: Physics for Engineers and Scientists III (3 hrs)
- EEL 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
- EEE 3342C: Digital Systems (3 hrs)
- EEL 3123C: Networks and Systems (4 hrs)
- GEP: Social Foundation (3 hrs)

#### Junior Year - Fall
- EEE 3350: Semiconductor Devices I (3 hrs)
- EEL 4742C: Embedded Systems (4 hrs)
- EEL 3552C: Analog and Digital Communication (4 hrs)

#### Junior Year - Spring
- EEE 3307C: Electronics I (4 hrs)
- EEL 3657: Linear Control Systems (3 hrs)
- CHS 1440: Fundamentals of Chemistry for Engineers (4 hrs)
- ENC 4250: Engineering Analysis (3 hrs)
- STA 3032: Probability and Statistics for Engineers (3 hrs)

#### Senior Year - Fall
- EEL 4750: Digital Signal Processing Fundamentals (3 hrs)
- EEL 3470: Electromagnetic Fields (3 hrs)
- EEL 4914: Senior Design I (3 hrs)
- Approved Technical Elective (3 hrs)
- GEP-Historical Foundation (3 hrs)

#### Senior Year - Spring
- 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.oelas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Elementary Education (B.S.)

#### College of Education

**School of Teaching, Learning, and Leadership, ED, Room: 209**

http://education.ucf.edu/elemed/

Dr. Karri Williams, kjwilliams@mail.ucf.edu

Dr. Robert Everett, ED 122M, everett@mail.ucf.edu, 407-823-5788

#### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

#### Degree Requirements

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program 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)

   **C: Mathematical Foundations** (6 hrs)
   - Select 1: 3 hrs
     - Prefer STA 1060C: Basic Statistics Using Microsoft Excel or
     - Prefer STA 2041C: Principles of Statistics (3 hrs)

   **D: Social Foundations** (6 hrs)
   - Prefer POS 2041: American National Government (3 hrs)
   - Prefer PSY 2012: General Psychology (3 hrs)

   **E: Science Foundations** (6 hrs)
   - Prefer PSC 1121: Physical Science (3 hrs)
   - Prefer BSC 1005: Biological Principles (3 hrs)

   **2. Common Program Prerequisites (CPP)** (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - EDF 2005: Introduction to the Teaching Profession (3 hrs)
   - 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 taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.
2 MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

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 100FL or PSC 1121L)* A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

4. Core Requirements: Advanced Level (60 hrs)

Semester I 15 hrs
1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
LA 3414 Literature for Children 3 hrs
1 RED 3012 Basic Foundations of Reading 3 hrs
1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

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
LA 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

Required prior to Internship I

Summer 6 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs

Semester III (Internship I Block) 12 hrs
Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment 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: EDF 4410, RED 3012, TSL 4080, MAE 2801

1 RED 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

Red 4942, MAE 4326, and EDE 4943 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-5.086.
EDE 4943 Internship II (Elementary) 12 hrs

5. Restricted Electives
None

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
None

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Achieve a minimum overall 2.5 GPA within the major.
Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
Complete a TESOL notebook as required for ESOL Endorsement.
Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A minimum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major
None

Related Programs
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 110C 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 14 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs

Sophomore Year - Spring 14 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs
- STA 2014C Principles of Statistics 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- 1 PET 2081 Wellness, Children and Schools 1 hr

Junior Year - Fall 15 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- LAE 3414 Literature for Children 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESL 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 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Senior Year - Fall 12 hrs
- MAE 4326 How Children Learn Mathematics 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading Internship I 3 hrs
- EDE 3942 Internship I (Elementary) 3 hrs

Senior Year - Spring 12 hrs
- EDE 4943 Internship II (Elementary) 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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
- Department 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
- 1 MGF 1106 Finite Mathematics 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
- 1 ENG 3014 Theories and Techniques of Literature Study 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

1 May substitute a higher level math.

4. Core Requirements: Advanced Level (12 hrs)
- Literary History Requirement
- Choose four courses total from these two groupings
- Select at least one of these pre-1865 literature courses.
- Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.

Select 1:

- AML 3031 American Literature I or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- AML 4304 Whitman and His Heirs or 3 hrs
- ENL 2012 English Literature I or 3 hrs
- ENL 4220 English Renaissance Poetry and Prose or 3 hrs
- ENL 4230 18th Century Studies or 3 hrs
- ENL 4240 English Romantic Writers or 3 hrs
- ENL 4311 Chaucer or 3 hrs
- ENL 4333 Shakespeare Studies or 3 hrs
- ENL 4341 Milton and His Age or 3 hrs
5. Restricted Electives (15 hrs)

Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

a. Choose two of the following: 6 hrs

Select 1: 3 hrs
- CRW 3120 Fiction Writing Workshop or
- CRW 3211 Creative Nonfiction Writing or
- CRW 3310 Poetry Writing Workshop or
- CRW 3610 Writing Scripts

Select 2: 3 hrs
- CRW 4122 Advanced Fiction Writing Workshop or
- CRW 4224 Advanced Nonfiction Workshop or
- CRW 4320 Advanced Poetry Writing Workshop or
- CRW 4616 Advanced Scriptwriting Workshop

b. Choose two of the following: 6 hrs

Select 1: 3 hrs
- CRW 3311 Structure of Verse or
- CRW 3540 Literary Magazines or
- CRW 4114 History of Prose Style or
- CRW 3950 Cypress Dome Editorship or
- CRW 4724 The Florida Review or
- CRW 4014 The Writing Life or
- CRW 4722 Editing for Creative Writers or
- any other CRW elective or Special Topics course

Select 2: 3 hrs
- AML 4101 American Novel or
- AML 4153 American Poetry at Mid-Century or
- AML 4281 Literature of the South or
- AML 4321 Modern American Literature or
- AML 4630 Latino/Latina Literature or
- ENL 1022 English Literature I 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

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Met by graduation requirement

Graduation

Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives

- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements

None

10. Required Minors

- 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 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 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101</td>
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</tr>
<tr>
<td>HUM 2210</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
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<tr>
<td>POS 2041</td>
<td>3 hrs</td>
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<tr>
<td>SPC 1608</td>
<td>3 hrs</td>
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Freshman Year - Spring

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<th>Course</th>
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<tr>
<td>ENC 1102</td>
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<tr>
<td>CHM 1020</td>
<td>3 hrs</td>
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<tr>
<td>LIT 2110</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>3 hrs</td>
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<tr>
<td>SPN 1120C</td>
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Sophomore Year - Fall

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<tbody>
<tr>
<td>LIT 2120</td>
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<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
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<tr>
<td>SPN 1121C</td>
<td>4 hrs</td>
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Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENL 2022</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4262</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 4273</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Restricted Elective

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

Junior Year - Fall 15 hrs
ENG 3014 Theories and Techniques of Literature Study 3 hrs
AML 3041 American Literature II 3 hrs
CRW 3211 Creative Nonfiction Writing 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
ENL 2022 English Literature II 3 hrs
CRW 3210 Fiction Writing Workshop 3 hrs
CRW 4224 Advanced Nonfiction Workshop 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 4122 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.o eas.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: englis h@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 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)
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

1 See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)
- ENC 3014 Theories and Techniques of Literature Study 3 hrs

Choose one gateway course 3 hrs
CRW 3013 Creative Writing for English Majors or 3 hrs
ENC 3241 Writing for the Technical Professional or 3 hrs
CRW 3053 Theory & Practice of Creative Writing 3 hrs

1 Prerequisite for all 4000 level AML, 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 1:  6 hrs
- AML 3031 American Literature I or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- AML 4304 Whitman and His Heirs or 3 hrs
- ENL 2012 English Literature I or 3 hrs
- ENL 4220 English Renaissance Poetry and Prose or 3 hrs
- ENL 4230 18th Century Studies or 3 hrs
- ENL 4240 English Romantic Writers or 3 hrs
- LIT 4374 Literature of the Bible or 3 hrs
- AML 3286 Early American Women’s Words or 3 hrs
- AML 3640 Native American Literature or 3 hrs
- ENL 3296 Gothic Literature 3 hrs

Select at least two post-1865 literature courses 6 hrs
Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2:  6 hrs
- AML 3031 American Literature II or 3 hrs
- AML 3613 Contemporary American Women’s Fiction or 3 hrs
- AML 3614 Topics in African-American Literature or 3 hrs
- AML 3615 Harlem, Haiti, and Havana or 3 hrs
- AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
- AML 4101 American Novel or 3 hrs
- AML 4153 American Poetry at Mid-Century or 3 hrs
- AML 4155 Modern American Poetry or 3 hrs
- AML 4261 Literature of the South or 3 hrs
- AML 4265 Florida Writers or 3 hrs
- AML 4321 Modern American Literature or 3 hrs
- AML 4630 Latino/Latina Literature or 3 hrs
- ENL 2022 English Literature II or 3 hrs
- ENL 4101 English Novel or 3 hrs
- ENL 4233 The Victorian Age: Poetry or 3 hrs
- ENL 4265 Nineteenth Century British Prose or 3 hrs
- ENL 4273 Modern British Literature or 3 hrs
- LIT 3082 Continental European Fiction Since 1900 or 3 hrs
- LIT 3192 Caribbean Literature or 3 hrs
- LIT 4043 Modern Drama As Literature or 3 hrs
- LIT 4184 Irish Literature or 3 hrs
- LIT 4303 Post-World War II Fiction or 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs

5. Restricted Electives (15 hrs)
- Upper Division Requirements

Choose one single author or major author course: 3 hrs
Select 1:  3 hrs
- AML 4300 Major American Authors or 3 hrs
- ENL 3311 Chaucer or 3 hrs
- ENL 3431 Milton and His Age or 3 hrs
Select 1: 3 hrs

Choose one linguistics or theory course: 3 hrs

Certificates

Directed Readings (3 hrs), and Thesis hours (3 hrs).

and the Honors College.

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

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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

ENG 1102 Composition II 3 hrs

LIT 2110 World Literature I 3 hrs

STA 1060C Basic Statistics Using Microsoft Excel 4 hrs

LIT 3383 Women in Literature 3 hrs

Restricted Elective 3 hrs

LIT 3383 Women in Literature 3 hrs

Restricted Elective 3 hrs

ENL 4333 Shakespeare Studies 3 hrs

Senior Year - Fall 13 hrs

LIT 3383 Women in Literature 3 hrs

Restricted Elective 3 hrs

Restricted Elective 3 hrs

Restricted Elective 3 hrs

Senior Year - Spring 15 hrs

LIT 3383 Women in Literature 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.ucf.edu/academic_learning_compacts.htm

UNIVERSITY OF CENTRAL FLORIDA

UCF Degree Programs

Undergraduate Catalog 2011-2012

ENL 4333 Shakespeare Studies or

ENL 4303 British Authors or

LIT 4244 World Authors

Three additional upper level courses 9 hrs

- AML, ENL, or LIT prefix

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement

8. Electives

- 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 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division required courses.

- Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
### UCF Degree Programs

#### English - Technical Communication (B.A.)

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**

[http://english.cah.ucf.edu](http://english.cah.ucf.edu)

**E-mail: english@mail.ucf.edu**

Dr. Patrick Murphy

407-823-5596

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**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (8 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 MGF 1106 Finite Mathematics 3 hrs
     - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

2. **Common Program Prerequisites (CPP)**
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
     - ENC 1101 Composition I GEP
     - ENC 1102 Composition II GEP

3. **Core Requirements: Basic Level** (6 hrs)
   - Select 1: 3 hrs
     - ENC 3241 Writing for the Technical Professional 3 hrs
   - Select 1: 3 hrs
     - CRW 3013 Creative Writing for English Majors or 3 hrs
     - ENGL 314 Theories and Techniques of Literature Study or 3 hrs
     - CRW 3053 Theory & Practice of Creative Writing 3 hrs

4. **Core Requirements: Advanced Level** (15 hrs)
   - ENC 4280 Technical Writing Style 3 hrs
   - ENC 4293 Documentation and the Collaborative Process 3 hrs
   - ENC 4294 Documentation and Client-Based Collaboration 3 hrs
   - LIT 4433 Literature of Science and Technology 3 hrs
   - Select 1: 3 hrs
     - ENC 4215 Technical Publication and Project Management or 3 hrs
     - ENC 4218 The Visual in Technical Documentation 3 hrs

5. **Literary History Requirement** (9 hrs)
   - Choose three courses from these two groupings.
   - Select at least one of these pre-1865 literature courses
     - AML 3031 American Literature I or 3 hrs
     - AML 3613 Narratives of Slavery or 3 hrs
     - AML 4304 Whitman and His Heirs or 3 hrs
     - ENL 2012 English Literature I or 3 hrs
     - ENL 4221 English Renaissance Poetry and Prose or 3 hrs
     - ENL 4230 18th Century Studies or 3 hrs
   - Select at least one of these post-1865 literature courses
     - AML 3041 American Literature II or 3 hrs
     - AML 3283 Contemporary American Women’s Fiction or 3 hrs
     - AML 3614 Topics in African-American Literature or 3 hrs
     - AML 3615 Harlem, Haiti, and Havana or 3 hrs
     - AML 4101 American Novel or 3 hrs
     - AML 4153 American Poetry at Mid-Century or 3 hrs
     - AML 4155 Modern American Poetry or 3 hrs
     - AML 4261 Literature of the South or 3 hrs
     - AML 4265 Florida Writers or 3 hrs
     - AML 4321 Modern American Literature or 3 hrs
     - AML 4630 Latino/Latina Literature or 3 hrs
     - ENL 2022 English Literature II or 3 hrs
     - ENL 4101 English Novel or 3 hrs
     - ENL 4253 The Victorian Age: Poetry or 3 hrs
     - ENL 4262 Nineteenth Century British Prose or 3 hrs
     - ENL 4273 Modern British Literature or 3 hrs
     - LIT 3082 Continental European Fiction Since 1900 or 3 hrs
     - LIT 3192 Caribbean Literature or 3 hrs
     - LIT 4043 Modern Drama As Literature or 3 hrs
     - LIT 4184 Irish Literature or 3 hrs
     - LIT 4303 Post-World War II Fiction or 3 hrs
     - AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
     - LIT 3823 Hispanic Women Writers 3 hrs

6. **Restricted Electives (3 hrs)**
   - Select 1: 3 hrs
     - ENC 3311 Advanced Expository Writing or 3 hrs
     - ENC 4262 International Technical Communication or 3 hrs
     - ENC 4265 Writing for the Computer Industry or 3 hrs
     - ENC 4290 Usability Testing for Technical Communication or 3 hrs
     - ENC 4414 Writing and Hypertext 3 hrs

7. **Foreign Language Requirements**

8. **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 3102, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

   - None

10. **10. Required Minors**
    - None

11. **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
University of Central Florida

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 the 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)

- Select 1: 3 hrs

- Prefer 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

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)

- Select 1: 3 hrs

- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- LIT 2110 World Literature I GEP 3 hrs
- LIT 2120 World Literature II 3 hrs
- ENL 2012 English Literature I 3 hrs
- ENL 2022 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)

- Select 1: 3 hrs

- 1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- 1 EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- 1 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
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Prerequisite for Internship I.
UCF Degree Programs

Specialization Requirements 21 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
ENG 3014 Theories and Techniques of Literature 3 hrs
AML 3031 American Literature I 3 hrs
AML 3041 American Literature II 3 hrs
LAE 4464 Survey of Adolescent Literature 3 hrs

Select 1: 3 hrs
ENC 3311 Advanced Expository Writing or 3 hrs
LIN 4105 History of the English Language 3 hrs
Upper Division Elective with EDF, EDG, LAE, or RED prefix

Internship I Block 9 hrs
Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of "C" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

LAE 4360 English Instructional Analysis 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
LAE 3940 Internship 3 hrs

Internship II 12 hrs
All specialization 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/.

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 12 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1102 Composition II 3 hrs
POS 2041 American National Government 3 hrs
PSC 1121 Physical Science 3 hrs

Freshman Year - Summer 6 hrs
LIT 2110 World Literature I 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Sophomore Year - Fall 15 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
LIT 2120 World Literature II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
STA 2044C Principles of Statistics or 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring 12 hrs
ENL 2012 English Literature I 3 hrs
AML 3031 American Literature I 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Sophomore Year - Summer 6 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
ENL 2022 English Literature II 3 hrs
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
LA 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 3 hrs
LIN 4105 History of the English Language 3 hrs
Upper Division Elective w/ RED, LAE, EDF, 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
LA 4342 Programs in Teaching Language and Composition 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
LA 3940 Internship 3 hrs

Senior Year - Spring
LA 4941 Internship 12 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

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
Preferred 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.
- Please see “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

1 MAC 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
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.
- EGN 1004C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr
EGN 1009C Introduction to the Construction Industry 1 hr

1 A “C” (2.0) or better is required in this course.

4. Core Requirements: Advanced Level (53 hrs)
- EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3331 Mechanics of Materials 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
CEG 4011 Geotechnical Engineering I 4 hrs
EES 4111C Biological Process Control 3 hrs
EES 4202C Chemical Process Control 4 hrs

1 Also satisfy UCF GEP sub-requirements

1 A “C” (2.0) or better is required in this course.
5. Restricted Electives (3 hrs)
- Technical electives are available in the BEnvE 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
  - 1 ENV 4122C - Air Pollution Control Design 3 hrs
  - 1 ENV 4300C - Solid Waste Facility Design 3 hrs
  - 1 ENV 4562C - Environmental Engineering Water Treatment 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
- EnV 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.

Acceptable Substitutes for Transfer Courses
- None

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.

UCF Degree Programs

The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
- Courses 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)

Freshman Year - Fall
- 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
- ENC 1102 - Composition II 3 hrs
- MAC 2312 - Calculus with Analytic Geometry II 4 hrs
- EGN 1007C - Engineering Concepts and Methods 1 hr
- 1 GEO 1200 - Physical Geography 3 hrs

Sophomore Year - Fall
- MAC 2313 - Calculus with Analytic Geometry III 4 hrs
- CHM 2045C - Chemistry Fundamentals I 4 hrs
- EGN 3310 - Engineering Analysis-Statics 3 hrs
- EGN 3613 - Engineering Economic Analysis 2 hrs
- GEP 3 hrs

Sophomore Year - Spring
- 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 & Scientists II 4 hrs
- EGN 3321 - Engineering Analysis-Dynamics 3 hrs
- GEP 3 hrs

Sophomore Year - Summer
- EGN 3343 - Thermodynamics 3 hrs
- ENV 3001 - Introduction to Environmental Engineering 3 hrs
- GEP 3 hrs

Junior Year - Fall
- 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
- GEP 3 hrs
- CEG 4011C - Geotechnical Engineering 4 hrs
- ENV 4531 - Environmental Engineering Operations & Processes I 3 hrs
- CWR 4632C - Water Resources Engineering I 4 hrs
<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
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<tbody>
<tr>
<td>ENV 4120  Air Pollution Control</td>
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<tr>
<td>ENV 4561  Environmental Engineering Operations &amp; Processes II</td>
<td>3 hrs</td>
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<tr>
<td>EES 4202C  Chemical Process Control</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CWR 4633C  Water Resources Engineering II</td>
<td>3 hrs</td>
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<tr>
<td><strong>Design Specialization</strong></td>
<td></td>
</tr>
<tr>
<td>ENV 4433C  Environmental Engineering Wastewater Design or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4122C  Air Pollution Control Design or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4300C  Solid Waste Facility Design or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4562C  Environmental Engineering Water Treatment Design</td>
<td>3 hrs</td>
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<th>Senior Year - Spring</th>
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<tbody>
<tr>
<td>EES 4111C  Biological Process Control</td>
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<tr>
<td>Restrictive Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGN 4808C  CECE Capstone Design</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.oes.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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**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

407-903-9000

**Admission Requirements**
- None

**Degree Requirements**
- None

1. **UCF General Education Program (GEP)** (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Required MAC 1105C College Algebra 3 hrs
   - Select 1: 3 hrs
     - Required CGS 2100C Computer Fundamentals for Business or
     - Required STA 2023 Statistical Methods I 3 hrs
   - D: Social Foundations (6 hrs)
     - Select 1: 3 hrs
       - Required ECO 2013 Principles of Macroeconomics 3 hrs
     - Required ECO 2023 Principles of Microeconomics 3 hrs
   - Select 1: 3 hrs
     - Required PSY 2012 General Psychology or
     - Required SYG 2000 Introduction to Sociology or
     - Required ANT 2000 General Anthropology 3 hrs
   - E: Science Foundations (6 hrs)
     - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
     - HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
   - 3. **Core Requirements: Basic Level**
     - MAC 1105C College Algebra GEP
   - Select 1: 3 hrs
     - STA 2023 Statistical Methods I or GEP
     - CGS 2100C Computer Fundamentals for Business GEP

Select 1:
- ECO 2013 Principles of Macroeconomics or GEP
- ECO 2023 Principles of Microeconomics GEP

4. **Core Requirements: Advanced Level** (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 3573 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
       - HFT 3741 Meeting Management or 3 hrs
       - HFT 4754 Exhibit and Trade Show Operations or 3 hrs
       - HFT 4795 Entertainment Arts and Events or 3 hrs
       - HFT 3798 Fairs and Festivals or 3 hrs
       - HFT 4561 Destination Marketing or 3 hrs
       - HFT 4736 Destination Management or 3 hrs
       - HFT 4796 International Events or 3 hrs
       - HFT 4375 Advanced Trade Show Management or 3 hrs
       - HFT 3868 History and Culture of Wine or 3 hrs
       - HFT 3357 Golf & Club Event Operations 3 hrs
   - 6. Capstone Requirements
     - None
   - 7. **Foreign Language Requirements**
     - Admissions
       - State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
     - Graduation
       - None
   - 8. **Electives**
     - 3-11 hours as necessary to result in 120 total credit hours.
   - 9. **Additional Requirements**
     - Final exams will be given during Final Exam Week only.
     - Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.
   - 10. **Required Minors**
     - None
   - 11. **Departmental Exit Requirements**
     - None
   - 12. **University Minimum Exit Requirements**
     - A 2.0 UCF GPA
     - 60 semester hours earned after CLEP awarded
     - 48 semester hours of upper division credit completed
     - 30 of the last 39 hours of course work must be completed in residency at UCF
     - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
     - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
   - **Total Semester Hours Required**
     - 120
Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
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</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3</td>
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Select one course from the list

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology or</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology or</td>
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<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
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Cultural Foundation Course

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877 or</td>
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<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I or</td>
<td>3</td>
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<tr>
<td>EUH 2000</td>
<td>Western Civilization I or</td>
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<tr>
<td>WOH 2012</td>
<td>World Civilization 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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<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td>HFT 2750</td>
<td>The Event Industry</td>
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<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
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Cultural Foundation Course

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<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II or</td>
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<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present or</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2001</td>
<td>Western Civilization II or</td>
<td>3</td>
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<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
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Sophomore Year - Fall

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<tr>
<td>HFT 3670</td>
<td>Hospitality and Event Risk Management</td>
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<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
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Select 1:

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<tr>
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<td>Principles of Macroeconomics or</td>
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<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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Science Foundation

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<tbody>
<tr>
<td>BSC 1005</td>
<td>Biological Principles or</td>
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<tr>
<td>BSC 1050</td>
<td>Biology and Environment or</td>
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<tr>
<td>GLY 1030</td>
<td>Geology and Its Applications or</td>
<td>3</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography or</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3</td>
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Sophomore Year - Spring

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<tr>
<td>HFT 3512</td>
<td>Event Promotion</td>
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<tr>
<td>HFT 3519</td>
<td>Event Services</td>
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<tr>
<td>FSS 2284C</td>
<td>Food Preparation for Catered Events</td>
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Science Foundation II

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<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy or</td>
<td>3</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry or</td>
<td>3</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
<td>3</td>
</tr>
</tbody>
</table>
Students must earn a "C-" (1.75) or better in each required Exceptional Education course.

- Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for available test dates and test sites.
- FTCE General Knowledge Test (GKT)- Passing score on the GKT is required prior for admission into the College of Education.
- FTCE Professional Education Test (PEd) prior to Internship I.
- FTCE Subject Area Examination for Exceptional Student Education K-12

Must take and pass one of the following content area subject area examinations: Elementary K-5, Secondary individual subject areas 6-12, or Integrated Curriculum 6-9

1. UCF General Education Program (GEP) (36 hrs)
   - Students are advised to take the preferred courses.
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - Prefer AMH 2010 U.S. History: 1492-1877 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 PSC 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

   In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (15 hrs)
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
   - EEX 2010 Introduction to Special Education 3 hrs
   - EEX 2758 Enhancing Family Involvement in Education 2 hrs
   - MAE 2801 Elementary School Mathematics 4 hrs

Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)
   - Exceptional Student Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environment. Students majoring in Exceptional Student Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Exceptional Student Education major’s program and to integrate theory and practice in actual school settings. Throughout the Exceptional Student Education program, students document and reflect upon their accomplishments in a Professional LiveText Portfolio, which is continuously reviewed by faculty. In addition, students must complete a TESOL Notebook.

   Semester I 12 hrs
   - EDF 4410 Teaching Strategies and Classroom Management 3 hrs
   - EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
   - RED 3012 Basic Foundations of Reading 3 hrs
   - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

   Students in Schools 1
   - Courses to be taken prior to Internship I

   Semester II 15 hrs
   - It is strongly recommended to take the Professional Education Test (Ped) portion of the FTCE during Semester II
   - EDF 4467 Learning Theory and Assessment 3 hrs
   - EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs
   - LAE 4314 Language Arts in the Elementary School 3 hrs
   - TSL 4240 Issues in Second Language Acquisition 3 hrs
   - RED 4519 Diagnostic and Corrective Reading 3 hrs

   Semester III (Summer) 6 hrs
   - It is required to take the Professional Education Test (Ped) prior to Semester III and the Exceptional Student Education (ESE) Subject Area Exam portion of the Florida Teacher Certification Exam (FTCE) prior to Semester IV.
   - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalxp/
   - All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - EEX 3221 Assessment of Exceptional Students 3 hrs
   - EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

   Semester IV 15 hrs
   - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalxp/
   - A passing score on all applicable sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional Education Test, and Subject Area Examination for Exceptional Student Education K-12) is strongly recommended before entry into student teaching (EEK 4941 Internship II).
   - Choose one course from either the Elementary or Secondary level
     - Methods Content Area Course I
     - EEX 3942 Internship I Exceptional Education 3 hrs
     - EEX 4601 Introduction to Behavior Management 3 hrs
     - EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
     - RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs

   Elementary Level: Methods Content Area Course I
   - LAE 3414 Literature for Children or 3 hrs
   - MAE 4326 How Children Learn Mathematics or 3 hrs
   - SCE 3310 Teaching Science in Elementary School or 3 hrs
   - SSE 3312 Teaching Social Science in the Elementary School 3 hrs
Secondary Level: Methods Content Area 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 I.

Semester V 12 hrs

- 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
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

Senior Year - Summer  6 hrs
- It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.
- Program Academic Learning Compacts (student learning outcomes)
- 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.
- Sections 1: 3 hrs
- Select one approved Methods Course 3 hrs
- Prefer GES 1060C Introduction to Computer Science or STA 1060C Basic Statistics Using Microsoft Excel

Select Methods Content I  9 hrs
- Choose from one of the following. Must be different from the select-ed course during Senior Year Fall Term.
- 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 or 3 hrs
- MAE 4326  How Children Learn Mathematics or 3 hrs
- SCE 4360  Science 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 3 hrs
- Grade 12 or
- MAE 4360  Mathematics Instructional Analysis 4 hrs

Senior Year - Spring  12 hrs
- EEX 4941  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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Film (B.F.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 421
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu
Steve Schlow, 407-823-2845
407-823-4265

Admission Requirements
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors. Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major.
- Contact the Film Department for details, or visit the website, http://www.film.cah.ucf.edu.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.
- A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.

Junior Year - Summer  6 hrs
- EEX 3221  Assessment of Exceptional Students  3 hrs
- EEX 4066  Curriculum, Theory and Instructional Strategies for Students with Special Needs  3 hrs

Select Core Courses (9 hrs)
- DIG 2000  Introduction to Digital Media  3 hrs
- FIL 2461  Cinematography I  3 hrs
- FIL 3803C  Film Theory and Criticism I  3 hrs
- FIL 4472C  Cinematography II  3 hrs
- FIL 4565C  Editing II  3 hrs
- FIL 4906  Directed Independent Study  1 hr

Upper level core requirements
FIL 4113C  Interactive Writing I  3 hrs
FIL 4114C  Interactive Writing II  3 hrs
FIL 4126C  Genre Writing  3 hrs
FIL 4535C  Sound Design for Film II  3 hrs
FIL 4566C  Editing I  3 hrs

Directed 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 4647  Film Production Management  3 hrs

Film (B.F.A.)
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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.

Junior Year - Summer  6 hrs
- EEX 3221  Assessment of Exceptional Students  3 hrs
- EEX 4066  Curriculum, Theory and Instructional Strategies for Students with Special Needs  3 hrs

Select Core Courses (9 hrs)
- DIG 2000  Introduction to Digital Media  3 hrs
- FIL 2461  Cinematography I  3 hrs
- FIL 3803C  Film Theory and Criticism I  3 hrs
- FIL 4472C  Cinematography II  3 hrs
- FIL 4565C  Editing II  3 hrs
- FIL 4906  Directed Independent Study  1 hr

Upper level core requirements
FIL 4113C  Interactive Writing I  3 hrs
FIL 4114C  Interactive Writing II  3 hrs
FIL 4126C  Genre Writing  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 4647  Film Production Management  3 hrs

Directed 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 4647  Film Production Management  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 4506  Directed Independent Study  1 hr
Cinema Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 3880C - Images of Women in Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3831 - Black Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3051 - Avant-Garde Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3804C - Film Theory and Criticism II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3841 - French New Wave Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3824 - Italian Neo-Realist Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3847 - Latin American Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3820 - Italian Film</td>
<td>3 hrs</td>
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<tr>
<td>FIL 3822 - French Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3823 - German Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3826 - American Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3871 - The American Film Artist</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4436 - Film Theory/Film Production</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Digital Cinema

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ART 2823 - Art as Interface</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3618 - Post-Production Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3902C - Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4895C - Converging Media Capstone</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3138C - Digital Imagery</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4780C - Modeling for Realtime Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4415 - Digital Rhetorics and The Modern Dialectic</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3134 - Media Software Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUC 3311 - MIDI Sequencing I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

6. Capstone Requirements (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 4434C - Capstone I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4579C - Capstone II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- 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

**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

**Sophomore Year - Summer**

- 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 4847 - Film Production Management 3 hrs
- FIL 4861 - The Film Producer 3 hrs

**Senior Year - Fall**

- FIL 4434C - Capstone I 3 hrs
- FIL XXXX - Elective
- FIL XXXX - Elective

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2011-2012
4. Core Requirements: Advanced Level (36 hrs)
FIL 3006 Art of the Cinema  3 hrs
FIL 3462C Cinematic Expression  3 hrs
FIL 3363C Film Documentary  3 hrs
FIL 3036 Film History I  3 hrs
FIL 3037 Film History II  3 hrs
FIL 3051 Avant-Garde Cinema  3 hrs
FIL 3803C Film Theory and Criticism I  3 hrs
FIL 3804C Film Theory and Criticism II  3 hrs
FIL 3845 World Cinema Traditions  3 hrs
FIL 3826 American Cinema  3 hrs
FIL 4661 The Film Producer  3 hrs
Select 1: 
FIL 3102 Writing for Film and TV or  3 hrs
FIL 3115 Short Script I  3 hrs

5. Restricted Electives (9 hrs)
Select three courses from the following upper level FIL courses:
A maximum of 6 hours Independent Study and/or internship credit may be used
FIL 3850 Cinema Directors  3 hrs
FIL 3880C Images of Women in Film  3 hrs
FIL 3831 Black Cinema  3 hrs
FIL 3841 French New Wave Cinema  3 hrs
FIL 3041 History of Animated Films I  3 hrs
FIL 3824 Italian Neo-Realist Cinema  3 hrs
FIL 3842 International Cinema  3 hrs
FIL 3820 Italian Film  3 hrs
FIL 3822 French Film  3 hrs
FIL 3823 German Film  3 hrs
FIL 3871 The American Film Artist  3 hrs
FIL 4436 Film Theory Film Production  3 hrs
FIL 4506 Directed Independent Study  3 hrs
FIL 5612 Film and Internet Business  3 hrs
DIG 4855C Converging Media Capstone  3 hrs
DIG 4704 Interactive Entertainment  3 hrs
FIL 3847 Latin American Cinema  3 hrs
FIL 3852 Cinema Criticism Writing  3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
Select primarily from upper level courses 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 4008 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.

### 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 program in the UCF College of Business Administration.
- 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:

#### Full-Time Student: $90 per term
- FIN 3403C Business Finance 4 hrs

1. UCF General Education Program (GEP)

   **A: Communication Foundations**
   - (9 hrs)
   - Prefer SPC 1608 Fundamentals of Oral Communication

   **B: Cultural & Historical Foundations**
   - (9 hrs)
   - Required MAC 1140 Pre-Calculus Algebra
   - Required CGS 2100C Computer Fundamentals for Business

   **C: Mathematical Foundations**
   - (6 hrs)
   - Required MAC 2311 Calculus I

   **D: Social Foundations**
   - (6 hrs)
   - Select 1:
     - Suggested ECO 2013 Principles of Macroeconomics 3 hrs
     - Suggested ECO 2023 Principles of Microeconomics 3 hrs
   - Select 2:
     - Suggested PSY 2012 General Psychology 3 hrs
     - Suggested ANT 2000 General Anthropology or
     - Suggested SYG 2000 Introduction to Sociology 3 hrs

#### Student Learning Outcomes

- Completion of the UCF General Education Program, Golden Rule, and CLAS or an AA degree from a Florida public community college

#### Required Courses and Restricted Electives

### Senior Year - Fall
- FIL 3266 American Cinema 3 hrs
- FIL 3454 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

### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- FIL 1007 Foundations of Story 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- Foreign Language I 4 hrs

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- FIL 2107 Script Analysis 3 hrs
- Foreign Language II 4 hrs

### Freshman Year - Summer
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Sophomore Year - Fall
- FIL 2423 Foundations of Production 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 3036 Film History I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Sophomore Year - Spring
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 3037 Film History II 3 hrs

### Take one of the following
- (3 hrs)
- FIL 3102 Writing for Film and TV or 3 hrs
- FIL 3115 Short Script I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Junior Year - Fall
- FIL 3363C Film Documentary 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL XXX - Elective 3 hrs
- GEP 3 hrs
- Minor 3 hrs

### Junior Year - Spring
- FIL 3462C Cinematic Expression 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs
- FIL 4661 The Film Producer 3 hrs
- GEP 3 hrs
- Minor 3 hrs

### Related Programs

- Music
- Theatre
- Radio - Television
- English - Creative Writing
- Film

### 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
- 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
- GEP 3 hrs
- GEP 3 hrs

### Sophomore Year - Fall
- FIL 2423 Foundations of Production 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 3036 Film History I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Sophomore Year - Spring
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 3037 Film History II 3 hrs

### Take one of the following
- (3 hrs)
- FIL 3102 Writing for Film and TV or 3 hrs
- FIL 3115 Short Script I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Junior Year - Fall
- FIL 3363C Film Documentary 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL XXX - Elective 3 hrs
- GEP 3 hrs
- Minor 3 hrs

### Junior Year - Spring
- FIL 3462C Cinematic Expression 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs
- FIL 4661 The Film Producer 3 hrs
- GEP 3 hrs
- Minor 3 hrs
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 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
- AOG 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 2233 Concepts of Calculus and 3 hrs

or

○ 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 3 hrs

ECO 3411 Quantitative Business Tools II 4 hrs

FIN 4303C 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 (18 hrs)

FIN 3303 Financial Markets 3 hrs

FIN 3414 Intermediate Corporate Finance 3 hrs

FIN 3504 Investment Analysis 3 hrs

FIN 4453 Financial Models 3 hrs

Select 2:

FIN 4324 Commercial Bank Management or 3 hrs

FIN 4424 Advanced Topics in Financial Management or 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 3381 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 Transactions or 3 hrs

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

1 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.

6. Capstone Requirements (4 hrs)

MAN 4720 Strategic Management 4 hrs

- This course is taken in the graduating term and requires the following prerequisites:

GEB 3031 Cornerstone: Professional Skills for Business 3 hrs

MAR 3023 Marketing 4 hrs

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 one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- (variable)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- Finance: Banking

- Finance: Corporate Finance

- Finance: Investments

Related Minors

- None

Advising Notes

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.

- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- Common Program Prerequisites for the State University System 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

UNIVERSITY OF CENTRAL FLORIDA

195 Undergraduate Catalog 2011-2012
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 to transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester
- General electives as required to reach 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs
- Elective 3 hrs

Sophomore Year - Fall 15 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Pay/Ant/Soc 3 hrs
- Elective 3 hrs

Sophomore Year - Spring 15 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall 16 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs
- FIN 3403C Business Finance 4 hrs

Junior Year - Spring 17 hrs
- FIN 3303 Financial Markets 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- MAN 3025 Management of Organizations 4 hrs

Senior Year - Fall 14 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

Senior Year - Spring 13 hrs
- MAN 4720 Strategic Management 4 hrs
- FIN 4453 Financial Models 3 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.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

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 2520 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations 6 hrs
- Select 1: 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
  - Prefer STA 2014C Principles of Statistics 3 hrs
- Select 1: 3 hrs
  - Suggested MGF 1106 Finite Mathematics or
  - Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations 6 hrs
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations 6 hrs
- Prefer PSC 1121 Physical Science 3 hrs
- Select 1: 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 2095 Introduction to the Teaching Profession 3 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level 6 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs
### 4. Core Requirements: Advanced Level (69 hrs)

**Education Core Requirements** 18 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- 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.**

1. EDG 4410 Teaching Strategies and Classroom Management 3 hrs
2. EDF 4467 Learning Theory and Assessment 3 hrs
3. TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
4. RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
5. EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
6. EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

1. Required prior to Internship I
2. Community College transfer students may substitute EEX 2010 Introduction to Special Education.

**Internship I** 3 hrs
- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.clinicalexperiences.education.ucf.edu](http://www.clinicalexperiences.education.ucf.edu)

**FLE 3940 Internship** 3 hrs

**Specialization Requirements** 33 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- 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
- FRE 4421 Advanced French Conversation 3 hrs
- FRE 4422 Advanced French Composition 3 hrs
- Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent) 6 hrs

1. Required prior to Internship I.
2. FLE 4310 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](http://www.education.ucf.edu/clinicalexp).
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

**FLE 4941 Internship** 12 hrs

**5. Restricted Electives**
- None

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**

**Admissions**
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- None

**8. Electives**
- None

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- None

**Transfer Notes**
- None

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- Recommended Four Year Sequence of Courses

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSC 1121 Physical Science 3 hrs

**Freshman Year - Spring**
- AMH 2020 U.S. History: 1877-1877 3 hrs
- ENC 1102 Composition II 3 hrs
- PSC 2041 American National Government 3 hrs

**Freshman Year - Summer**
- PHI 2010 Introduction to Philosophy 3 hrs

**Sophomore Year - Fall**
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

**Sophomore Year - Spring**
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
UCF Degree Programs

Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 2201</td>
<td>Intermediate French Language and Civilization II</td>
<td>3 hrs</td>
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Select 1:

<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>Biographical Principles</td>
<td>3 hrs</td>
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Sophomore Year - Summer

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
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Junior Year - Fall

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3300</td>
<td>French Grammar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3420</td>
<td>French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3100</td>
<td>Survey of French Literature I</td>
<td>3 hrs</td>
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Junior Year - Spring

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FRW 3101</td>
<td>Survey of French Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3760</td>
<td>Advanced French Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td>FRE 3760</td>
<td>French Phonetics and Diction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4422</td>
<td>Advanced French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
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Junior Year - Summer

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FLE 4314</td>
<td>Foreign Language Teaching in Elementary Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FLE 4333</td>
<td>Foreign Language Teaching in the Secondary School</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>
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Senior Year - Fall

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FLE 3940</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4421</td>
<td>Advanced French Conversation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Two upper division restricted electives (FRE/FRW 3/4XXX)</td>
<td>6 hrs</td>
<td></td>
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Senior Year - Spring

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FLE 4941</td>
<td>Internship</td>
<td>12 hrs</td>
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</table>

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Foreign Language Education - Spanish (B.S.)

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 an 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).

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Degree Requirements

- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

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 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

- Prefer MGF 1106 Finite Mathematics 3 hrs

D: Social Foundations

- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 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)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level

- EDF 2130 Child and Adolescent Development for Educators 6 hrs
- SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs

4. Core Requirements: Advanced Level

- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
Restricted Electives

Rule 6A-5.066.

the pre-professional level in accordance with State Board of Education

through the Office of Clinical Experiences at

approved for Internship II. Deadline dates and applications are available

satisfactory completion of Internship I requires the student to dem-

sional, 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

FLE 3940 Internship 3 hrs

Specialization Requirements 27 hrs

1 FLE 4333 Foreign Language Teaching in the
Secondary School 3 hrs
1 FLE 4314 Foreign Language Teaching in Elementary
Schools 3 hrs

SPN 3300 Advanced Spanish Grammar and
Composition 3 hrs

SPN 3420 Spanish Composition 3 hrs

2 SPN 3760 Advanced Spanish Oral Communication 3 hrs
2 SPN 3100 Survey of Spanish Literature I 3 hrs
2 SPN 3101 Survey of Spanish Literature II 3 hrs

SPN 3344 Advanced Spanish Native Fluency I 3 hrs

SPN 3345 Advanced Spanish Native Fluency II 3 hrs

1 Required prior to Internship I
2 Community College transfer students may substitute lower division
restricted electives.

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: 3 hrs

SPN 3852 Bilinguismo or 3 hrs

SPN 4800 Spanish-American Syntax or 3 hrs

SPN 4801 Spanish Morphosyntax 3 hrs

Internship II Block 12 hrs

At least 80% of all required foreign language courses and all meth-
ods 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) por-
tion 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

Satisfactory completion of Internship II requires the student to dem-
strate proficiency in all 12 Florida Educator Accomplished Practices at
the pre-professional level in accordance with State Board of Education
Rule 6A-5.066.

FLE 4941 Internship 12 hrs

5. Restricted Electives

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

State University System foreign language admission requirement:
two years in high school or one year of college instruction in a single
foreign language. (This requirement applies to those students admitted to
the University without the required two units of foreign language in high
school.)

Graduation

None

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

Achieve a minimum 2.5 GPA in all courses within the major.

Complete a portfolio according to program guidelines. This portfolio
requires demonstration of professional growth, reflection, and proficiency
in the 12 Florida Educator Accomplished Practices.

Pass all applicable sections of the Florida Teacher Certification
Examination.

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in 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

None

Certificates

None

Related Minors

None

Advising Notes

None

Transfer Notes

None

Acceptable Substitutes for Transfer Courses

None

Plan of Study

Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs

AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs

AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1102 Composition II 3 hrs
POS 2041 American National Government 3 hrs
PSC 1121 Physical Science 3 hrs

Freshman Year - Summer 3 hrs

PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs

EDF 2130 Child and Adolescent Development for
Educators 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
EEX 2010 Introduction to Special Education 3 hrs

Undergraduate Catalog 2011-2012

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Select 1:
- STA 2014C Principles of Statistics or
- STA 1060C Basic Statistics Using Microsoft Excel

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring
12 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- SPN 3234 Advanced Directed Readings 3 hrs

Select 1:
- BSC 1005 Biological Principles or
- ANT 2511 The Human Species

Sophomore Year - Summer
3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Junior Year - Fall
15 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3344 Advanced Spanish Native Fluency I 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs

Junior Year - Spring
15 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- SPN 3345 Advanced Spanish Native Fluency II 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Select 1:
- SPW 3100 Survey of Spanish Literature I or 3 hrs
- SPW 3130 Survey of Latin-American Literature I 3 hrs

Junior Year - Summer
9 hrs
- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- FLE 4334 Foreign Language Teaching in the Secondary School 3 hrs
- 1 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

1 This course may be taken in the Fall of the senior year with consent of Instructor.

Senior Year - Fall
12 hrs
- FLE 3940 Internship 3 hrs

Select 1:
- SPN 4410 Advanced Spanish Conversation or 3 hrs
- SPN 4421 Advanced Spanish Composition or 3 hrs
- SPN 4510 Spanish Civilization and Culture or 3 hrs
- SPN 4520 Latin American Civilization and Culture 3 hrs

Select 1:
- SPN 3852 Bilinguismo or 3 hrs
- SPN 4800 Spanish-American Syntax or 3 hrs
- SPN 4801 Spanish Morphosyntax 3 hrs

Select 1:
- SPW 3130 Survey of Latin-American Literature I or 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs

Senior Year - Spring
12 hrs
- FLE 4941 Internship 12 hrs

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

Forensic Science - Analysis Track (B.S.)
College of Sciences
Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/
E-mail: chemistry@ucf.edu
Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522
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)
- Mathematical Foundations (7 hrs)

C: Mathematical Foundations
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

2. Common Program Prerequisites (CPP) (16 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I 4 hrs
CHM 2045C Chemistry Fundamentals I GEP
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

NOTE: These courses are considered 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
- 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 (18 hrs)

Core Science and Math Requirements
- BSC 2010C Biology I GEP/CPP
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs

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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

4. Core Requirements: Advanced Level (34 hrs)

A. Forensic Science Core:
CHS 3501 Introduction to Forensic Science 3 hrs
CHS 3505C Forensic Microscopy 4 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Analysis Track: 16 hrs
CHM 3422 Applied Physical Chemistry 3 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
CHS 3511C Trace Evidence 4 hrs
CHS 3530C Forensic Analysis of Controlled Substances 4 hrs

5. Restricted Electives (12 hrs)
Select 12 hours from the following:

Table:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4521</td>
<td>Forensic Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3212L</td>
<td>Organic Laboratory Techniques II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4912</td>
<td>Directed Independent Research</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHS 4506C</td>
<td>Forensic Investigation Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4515C</td>
<td>Forensic Crime Scene Investigation</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 4547C</td>
<td>Advanced Topics in Trace Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063L</td>
<td>Genetics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 45 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Sumner credit (if applicable)

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
- 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 3501 Introduction to Forensic Science 3 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
- GEP 3 hrs
- 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
- CHM 3120 Analytical Chemistry 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
- GEP 3 hrs
- 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
- PCB 3233 Immunology 3 hrs
- CHS 3533 Forensic Biochemistry I 2 hrs

UCF Degree Programs
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
Restricted 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, 3, 4, and 5 of the departmental degree requirements.
- Students must maintain a minimum 2.5 cumulative GPA in categories 2, 3, 4, and 5 of the departmental degree requirements.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)  (39 hrs)
- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations  (9 hrs)
Prefer SPC 1603  Fundamentals of Technical Presentations  3 hrs
Required ENC 1101  Composition I  3 hrs
Required ENC 1102  Composition II  3 hrs

B: Cultural & Historical Foundations  (9 hrs)

C: Mathematical Foundations  (7 hrs)
Required MAC 2311  Calculus with Analytic Geometry I  4 hrs
Required STA 2023  Statistical Methods I  3 hrs

D: Social Foundations  (6 hrs)

E: Science Foundations  (8 hrs)
Required BSC 2040C  Biology I  4 hrs
Required PHY 2048C  Physics for Engineers & Scientists I  4 hrs

2. Common Program Prerequisites (CPP)  (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level  (20 hrs)

4. Core Requirements: Advanced Level  (45 hrs)

5. Restricted Electives  (3 hrs)
- Any course approved by the Forensic Program advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None

8. Electives
- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None
- Required Minors
  - None

10. 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.
<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Sophomore Year - Fall | CHM 2045C  Chemistry Fundamentals I  4 hrs  
                        CHM 2210L  Analytical Chemistry Laboratory  1 hr  
                        GEP 3 hrs  
                        MAC 2312  Calculus with Analytic Geometry II  3 hrs  
                        SPC 1603  Fundamentals of Technical Presentations  3 hrs  
                        STA 2023  Statistical Methods I  3 hrs |
| Sophomore Year - Fall | PHY 2048C  Physics for Engineers & Scientists I  4 hrs  
                        PHY 2049C  Physics for Engineers and Scientists II  4 hrs  
                        SPC 1603  Fundamentals of Technical Presentations  3 hrs  
                        STA 2023  Statistical Methods I  3 hrs |
| Senior Year - Fall | CHM 2211  Organic Chemistry II  3 hrs  
                        CHM 2211L  Organic Laboratory Techniques I  2 hrs  
                        MCB 3020C  General Microbiology  5 hrs  
                        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  
                        GEP 3 hrs  
                        PCB 3052  Molecular Biology I  3 hrs  
                        CHS 4534C  Forensic Biochemistry II  3 hrs |
| Senior Year - Fall | CHS 3535L  Forensic Biochemistry I Laboratory  1 hr  
                        ENC 1102  Composition II  3 hrs  
                        PCB 4054  Biochemistry I  3 hrs  
                        PCB 4054L  Molecular Biology I Laboratory  1 hr  
                        PCB 4056  Biochemistry II  3 hrs  |
| Senior Year - Fall | CHS 4537  Forensic Laboratory Quality Assurance  2 hrs  
                        CHS 4571  Forensic Science Internship  4 hrs  
                        PCB 3082  Molecular Biology II  3 hrs  
                        PCB 3082L  Molecular Biology II Laboratory  1 hr  
                        PCB 4056  Biochemistry II  3 hrs  |
| Senior Year - Fall | CHS 4591  Forensic Science Internship  4 hrs  
                        MCB 3020  General Microbiology  5 hrs  
                        PCB 3052  Molecular Biology I  3 hrs  
                        PCB 3052L  Molecular Biology II Laboratory  1 hr  
                        PCB 4056  Biochemistry II  3 hrs  |
| Sophomore Year - Spring | ENC 1102  Composition II  3 hrs  
                        PCB 3052  Molecular Biology I  3 hrs  
                        PCB 3052L  Molecular Biology II Laboratory  1 hr  
                        PCB 4056  Biochemistry II  3 hrs  
                        PCB 4056L  Molecular Biology II Laboratory  1 hr  |

1. 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)

2. Acceptable Substitutes for Transfer Courses
   - CHM 2045C: may use CHM X040 plus CHM X041.
   - Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required in the major and still must be taken.

3. 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/

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
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a “C” (2.0) in each upper division French course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
UCF Degree Programs

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   1 Required MGF 1106 Finite Mathematics
   Prefer STA 1060C Basic Statistics Using Microsoft Excel
   (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
   1 FRE 1121C Elementary French Language and Civilization II
   1 FRE 2200 Intermediate French Language and Civilization I
   1 FRE 2201 Intermediate French Language and Civilization II
   *May be met by proficiency test or completion of FRE 2201

3. Core Requirements: Basic Level
   ■ None

4. Core Requirements: Advanced Level (21 hrs)
   ■ FRE 3300 French Grammar
   ■ FRE 3700 Survey of French Literature I
   ■ FOL 3730 Romance Philology
   1 Select 1:
   1 FRE 3420 French Composition or
   FRE 4422 Advanced French Composition
   3 hrs
   1 Select 1:
   1 FRE 3670 Advanced French Oral Communication or
   FRE 4421 Advanced French Conversation
   3 hrs
   1 Select 1:
   1 FRW 3101 Survey of French Literature II or
   FRW 3770 Francophone Literature
   3 hrs
   1* A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

5. Restricted Electives (15 hrs)
   French literature beyond the survey level (taught in French)
   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.o eas.ucf.edu/alc/academic_learning_compacts.htm

General Business (B.S.B.A.)
College of Business Administration
Department of Management, Business Administration II, Room: 101
http://www.bus.ucf.edu/
E-mail: uss@bus.ucf.edu
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 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
   or
   B: Cultural & Historical Foundations (9 hrs)
   A: Communication Foundations (9 hrs)
   Required ECO 2023 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   Select 1: 3 hrs
   Suggested MAC 1140 Pre-Calculus Algebra
   or
   B: Cultural & Historical Foundations (9 hrs)
   A: Communication Foundations (9 hrs)
   Required ECO 2023 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   Select 1: 3 hrs
   Suggested MAC 1140 Pre-Calculus Algebra

2. Common Program Prerequisites (CPP) (18 hrs)
   Must be completed with a “C” (2.0) or better.
   ACR 2021 Principles of Financial Accounting
   ACR 2071 Principles of Managerial Accounting
   TCH 2100C Computer Fundamentals for Business
   ECO 2013 Principles of Macroeconomics
   ECO 2023 Principles of Microeconomics

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
   or
   MAC 2233 Concepts of Calculus and
   STA 2023 Statistical Methods I

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (32 hrs)

First or subsequent semester in the College of Business Administration:

   BUL 3130 Legal and Ethical Environment of Business and
   ECO 3411 Quantitative Business Tools II and
   FIN 3403C Business Finance and
   GEB 3031 Cornerstone: Professional Skills for Business and
   GEB 3031L Cornerstone Lab: Professional Skills for Business and
   GEB 3375 Introduction to International Business and
   MAN 3025 Management of Organizations and
   MAR 3023 Marketing and
   MAR 3203 Supply Chain Management

   Required in 1st or 2nd semester
   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
   - ECP 4703 is required.
   - ECP 4703 Managerial Economics

   Finance: Select One
   - FIN 3303 Financial Markets or
   - FIN 3414 Intermediate Corporate Finance or
   - FIN 3504 Investment Analysis

   Management: Select One
   - GEB 3113 How to Start a Business or
   - MAN 3301 Management of Human Resources or
   - MAN 4240 Organizations: Theory and Behavior or
   - MAN 4441 Conflict Resolution and Negotiation

   Marketing: Select One
   - MAR 3403 Sales Force Management or
   - MAR 3613 Marketing Analysis and Research or
   - MAR 4156 International Marketing or
   - MAR 4841 Services Marketing

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
   ECO 3203 Labor Economics

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

   Required in 1st or 2nd semester
   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.

   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
1 Required in 1st or 2nd semester.

Sophomore Year - Spring 15 hrs
1 GEB 3375 Introduction to International Business 4 hrs
1 **Students take 3 restrictive electives from approved list described above.**

Senior Year - Spring 13 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
MAR 3023 Marketing 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/aac/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
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.

Acceptable Substitutes for Transfer Courses
- ACG 2021-Principles of Financial Accounting may be substituted with ACG X201 and ACG X201.

Sophomore Year - Fall 15 hrs
1 ACG 2021 Principles of Financial Accounting 3 hrs
EIO 2023 Principles of Microeconomics 3 hrs
1 **C** (2.0) or better grade required in each class. Student should choose to major in one of the two areas of study below.

Sophomore Year - Spring 15 hrs
AGC 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 16 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
MAN 3025 Management of Organizations 4 hrs
MAR 3203 Supply Chain Management 4 hrs
1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

Senior Year - Fall 16 hrs
1 GEB 3375 Introduction to International Business 4 hrs
1 **Students take 3 restrictive electives from approved list described above.**

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
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.

Acceptable Substitutes for Transfer Courses
- ACG 2021-Principles of Financial Accounting may be substituted with ACG X201 and ACG X201.

Sophomore Year - Fall 15 hrs
1 ACG 2021 Principles of Financial Accounting 3 hrs
EIO 2023 Principles of Microeconomics 3 hrs
1 **C** (2.0) or better grade required in each class. Student should choose to major in one of the two areas of study below.

Sophomore Year - Spring 15 hrs
AGC 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 16 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
MAN 3025 Management of Organizations 4 hrs
MAR 3203 Supply Chain Management 4 hrs
1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

Senior Year - Fall 16 hrs
1 GEB 3375 Introduction to International Business 4 hrs
1 **Students take 3 restrictive electives from approved list described above.**

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
D: Social Foundations (6 hrs)
- 3733C Human Anatomy 4 hrs
- STA 2014C Principles of Statistics GEP

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.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (66 hrs)
- HSC 3147 Introduction to Pharmacology 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 3000 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 4861C 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 4 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum 2.5 overall GPA is required for graduation.
- Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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 14 hrs
- ENC 1101 Composition I 3 hrs
- CHM 1032 General Chemistry 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- Select 1: 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
- STA 2014C Principles of Statistics 3 hrs
- BSC 2010C Biology I 4 hrs
- Select 1: 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- Select 1: 3 hrs
- POS 2041 American National Government or 3 hrs
- 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 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 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
- SPA 1608 Fundamentals of Oral Communication 3 hrs
- Select 1: 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
UCF Degree Programs

Junior Year - Fall 15 hrs

1 HSA 4191 Health Care Automation 3 hrs
HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
1 HSC 3537 Medical Terminology 3 hrs
HSC 4555 Pathophysiology I 3 hrs

Select 1: 3 hrs
1 MAN 3025 Management of Organizations or 4 hrs
HSA 4180 Organization & Management for Health Agencies I 3 hrs

Junior Year - Spring 15 hrs

HIM 4226C Coding Procedures I 5 hrs
HIM 3116C Health Record Organization and Management 4 hrs
HIM 3806C Professional Practice Experience I 3 hrs
HSC 4599 Pathophysiology II 3 hrs

Select 1: 3 hrs
1 HSA 3170 Health Care Finance 3 hrs
1 HSA 4702 Health Sciences Research Methods 3 hrs

Senior Year - Fall 13 hrs

HIM 4344C Health Information Department Management 4 hrs
HIM 4508C Quality Management 3 hrs
HIM 4256C Coding Procedures II 3 hrs
HIM 4656C Coding Procedures II 3 hrs

Senior Year - Spring 12 hrs

HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
HIM 4816C Professional Practice Experience II 3 hrs
1 HSA 4702 Health Sciences Research Methods 3 hrs
1 HSA 5170 Health Care Finance 3 hrs

Select 1: 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oaes.ucf.edu/ual/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15.00 per term
- Full-Time Student: $30.00 per term

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
- Required  STA 2023 Statistical Methods I 3 hrs
- Suggested  SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations
- Required  PSY 2012 General Psychology 3 hrs
- Select 1: 3 hrs
- Required  ECO 2013 Principles of Microeconomics 3 hrs
  or Required  ECO 2023 Principles of Microeconomics 3 hrs

C: Mathematical Foundations
- Required  MAC 1105C College Algebra 3 hrs

Select 1: 3 hrs

D: Social Foundations
- Required  PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs

E: Science Foundations
- Required  BSC 2010C Biology I 4 hrs
  or Required  PHY 2053C College Physics I 4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)

- Required  MAC 1114 College Trigonometry 3 hrs
- Required  BSC 2010C Biology I GEP
- Required  PSY 2012 General Psychology GEP

Select 1: 3 hrs

3. Core Requirements: Basic Level (20 hrs)
- Required  CHM 2045C Chemistry Fundamentals I 4 hrs
  or Required  CHM 2046 Chemistry Fundamentals II 3 hrs
- Required  CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Required  DEP 2004C Developmental Psychology 3 hrs
- Required  HUN 2002 Modern Concepts in Nutrition 3 hrs
- Required  PHY 2053C College Physics I GEP
  or Required  PHY 2054C College Physics II 4 hrs

Select 1: 2 hrs

4. Core Requirements: Advanced Level (29 hrs)

- Required  HSA 4109 Principles of Managed Care 3 hrs
- Required  HSA 4180 Organization & Management for Health Agencies I 3 hrs
- Required  HSC 3147 Introduction to Pharmacology 3 hrs
- Required  HSC 4211 Preventive Health Care 3 hrs
- Required  HSC 4555 Pathophysiology II 3 hrs

- Required  STA 2023 Statistical Methods I GEP

- Required  PSY 2012 General Psychology GEP

- Required  ECO 2023 Principles of Microeconomics GEP

- Required  MAC 1105C College Algebra 3 hrs

- Required  BSC 2010C Biology I GEP

- Required  PHY 2053C College Physics I GEP

- Required  MAC 1114 College Trigonometry 3 hrs

- Required  BSC 2010C Biology I GEP

- Required  PSY 2012 General Psychology GEP

- Required  CHM 2045C Chemistry Fundamentals I 4 hrs

- Required  CHM 2046 Chemistry Fundamentals II 3 hrs

- Required  CHM 2046L Chemistry Fundamentals Laboratory 1 hr

- Required  DEP 2004C Developmental Psychology 3 hrs

- Required  HUN 2002 Modern Concepts in Nutrition 3 hrs

- Required  PHY 2053C College Physics I GEP

- Required  PHY 2054C College Physics II 4 hrs

- Required  HSA 4109 Principles of Managed Care 3 hrs

- Required  HSA 4180 Organization & Management for Health Agencies I 3 hrs

- Required  HSC 3147 Introduction to Pharmacology 3 hrs

- Required  HSC 4211 Preventive Health Care 3 hrs

- Required  HSC 4555 Pathophysiology II 3 hrs

- Required  STA 2023 Statistical Methods I GEP

- Required  PSY 2012 General Psychology GEP

- Required  ECO 2023 Principles of Microeconomics GEP

- Required  MAC 1105C College Algebra 3 hrs

- Required  BSC 2010C Biology I GEP

- Required  PHY 2053C College Physics I GEP

- Required  MAC 1114 College Trigonometry 3 hrs

- Required  BSC 2010C Biology I GEP

- Required  PSY 2012 General Psychology GEP

- Required  CHM 2045C Chemistry Fundamentals I 4 hrs

- Required  CHM 2046 Chemistry Fundamentals II 3 hrs

- Required  CHM 2046L Chemistry Fundamentals Laboratory 1 hr

- Required  DEP 2004C Developmental Psychology 3 hrs

- Required  HUN 2002 Modern Concepts in Nutrition 3 hrs

- Required  PHY 2053C College Physics I GEP

- Required  PHY 2054C College Physics II 4 hrs

- Required  HSA 4109 Principles of Managed Care 3 hrs

- Required  HSA 4180 Organization & Management for Health Agencies I 3 hrs

- Required  HSC 3147 Introduction to Pharmacology 3 hrs

- Required  HSC 4211 Preventive Health Care 3 hrs

- Required  HSC 4555 Pathophysiology II 3 hrs

- Required  STA 2023 Statistical Methods I GEP

- Required  PSY 2012 General Psychology GEP

- Required  ECO 2023 Principles of Microeconomics GEP

- Required  MAC 1105C College Algebra 3 hrs

- Required  BSC 2010C Biology I GEP

- Required  PHY 2053C College Physics I GEP

- Required  MAC 1114 College Trigonometry 3 hrs

- Required  BSC 2010C Biology I GEP

- Required  PSY 2012 General Psychology GEP

- Required  CHM 2045C Chemistry Fundamentals I 4 hrs

- Required  CHM 2046 Chemistry Fundamentals II 3 hrs

- Required  CHM 2046L Chemistry Fundamentals Laboratory 1 hr

- Required  DEP 2004C Developmental Psychology 3 hrs

- Required  HUN 2002 Modern Concepts in Nutrition 3 hrs

- Required  PHY 2053C College Physics I GEP

- Required  PHY 2054C College Physics II 4 hrs

- Required  HSA 4109 Principles of Managed Care 3 hrs

- Required  HSA 4180 Organization & Management for Health Agencies I 3 hrs

- Required  HSC 3147 Introduction to Pharmacology 3 hrs

- Required  HSC 4211 Preventive Health Care 3 hrs

- Required  HSC 4555 Pathophysiology II 3 hrs

- Required  STA 2023 Statistical Methods I GEP

- Required  PSY 2012 General Psychology GEP

- Required  ECO 2023 Principles of Microeconomics GEP

- Required  MAC 1105C College Algebra 3 hrs

- Required  BSC 2010C Biology I GEP

- Required  PHY 2053C College Physics I GEP

- Required  MAC 1114 College Trigonometry 3 hrs

- Required  BSC 2010C Biology I GEP

- Required  PSY 2012 General Psychology GEP

- Required  CHM 2045C Chemistry Fundamentals I 4 hrs

- Required  CHM 2046 Chemistry Fundamentals II 3 hrs

- Required  CHM 2046L Chemistry Fundamentals Laboratory 1 hr

- Required  DEP 2004C Developmental Psychology 3 hrs

- Required  HUN 2002 Modern Concepts in Nutrition 3 hrs

- Required  PHY 2053C College Physics I GEP

- Required  PHY 2054C College Physics II 4 hrs

- Required  HSA 4109 Principles of Managed Care 3 hrs

- Required  HSA 4180 Organization & Management for Health Agencies I 3 hrs

- Required  HSC 3147 Introduction to Pharmacology 3 hrs

- Required  HSC 4211 Preventive Health Care 3 hrs

- Required  HSC 4555 Pathophysiology II 3 hrs

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 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.

UNIVERSITY OF CENTRAL FLORIDA
HSC 4652 Health Law and Ethics 3 hrs
HSC 4558 Pathophysiology II 3 hrs
HSC 4501 Epidemiology of Chronic Diseases 3 hrs
PCB 3703C Human Physiology 4 hrs
ZOO 3733C Human Anatomy 4 hrs

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 2203 Introduction to Organic and Biochemistry 5 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 in Health Professions 3 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs
HSC 4572 Clinical Nutrition 3 hrs
HSC 4730 Applied Health Research Methodology 3 hrs
MCB 2004 General Microbiology 4 hrs
MCB 3020C General Microbiology 5 hrs
MCB 4503C Virology 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr
PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 4805 Endocrinology 3 hrs
ATR 3203C Upper Extremity Function and Measurement 3 hrs
ATR 3204C Lower Extremity Function and Measurement 3 hrs
ATR 3312C Injury, Management, and Rehabilitation 3 hrs
PET 4066 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 History 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
- Pre-Professional
- Business
- Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Immunology
- 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 credit hours 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 2046) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
UCF Degree Programs

- College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.
- Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Degree must meet the University foreign language admission requirements for graduation.

**Freshman Year - Fall** 15 hrs

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<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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<td>BSC 2010C</td>
<td>Biology I</td>
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<td>MAC 1105C</td>
<td>College Algebra</td>
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<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
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<td>SPC 1608</td>
<td>Fundamentals of Oral Comm.</td>
<td>3</td>
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<td>HSC 2000</td>
<td>Introduction to the Allied Health Professions</td>
<td>2</td>
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**Freshman Year - Spring** 16 hrs

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<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
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**Sophomore Year - Fall** 14 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Lab.</td>
<td>1</td>
</tr>
<tr>
<td>DEP 2004C</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EUH 2000</td>
<td>Western Civilization I or</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1402-1877 or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Sophomore Year - Spring** 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>HUN 2002</td>
<td>Modern Concepts in Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3147</td>
<td>Introduction to Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>College Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EUH 2001</td>
<td>Western Civilization II or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II or</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
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**Junior Year - Fall** 13 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>HSC 4555</td>
<td>Pathophysiology I</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3</td>
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**Junior Year - Spring** 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2054C</td>
<td>College Physics II</td>
<td>4</td>
</tr>
<tr>
<td>HSA 4702</td>
<td>Health Sciences Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4558</td>
<td>Pathophysiology II</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
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</table>

**Senior Year - Fall** 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC 3211</td>
<td>Preventive Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Senior Year - Spring** 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC 4501</td>
<td>Epidemiology of Chronic Diseases</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_comacts.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 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Suggested MAC 1105C College Algebra 3 hrs
   - D: Social Foundations (6 hrs)
     - Suggested ECO 2023 Principles of Microeconomics 3 hrs
   - E: Science Foundations (6 hrs)
   - 2. Common Program Prerequisites (CPP) (9 hrs)
     - Students must earn a “C” (2.0) or better in each Common Program Prerequisite
     - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
     - ECO 2023 Principles of Microeconomics GEP
     - ACG 2071 Principles of Managerial Accounting 3 hrs
     - ACG 2021 Principles of Financial Accounting 3 hrs
     - STA 2023 Statistical Methods I 3 hrs
## 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

### 4.1 Core Requirements: Basic Level

- None

### 5. Restricted Electives

- None

### 6. Capstone Requirements (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4939</td>
<td>Health Services Administration Capstone</td>
</tr>
</tbody>
</table>

### 7. Foreign Language Requirements

**Admissions**
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**
- Students who transfer with an AA degree from a Florida public community college and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

### 8. Electives

- Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Students must earn a "C" (2.0) or better in each Health Services Administration course.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors in Major

- Interested students should consult with a faculty advisor.

### Related Programs

- Public Administration
- Health Informatics and Information Management

### Certificates

- Aging Studies

### Related Minors

- Aging Studies
- Health Informatics and Information Management
- Health Sciences
- Public Administration

### Advising Notes

- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
- A variety of career opportunities are available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.
- Students will be assigned a faculty member for the purpose of career advising.

### Transfer Notes

- None

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

#### Freshman Year - Fall (14 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
</tr>
<tr>
<td>HSA 3170</td>
<td>Health Care Finance</td>
</tr>
<tr>
<td>HSA 3222</td>
<td>Long Term Care and Administration</td>
</tr>
<tr>
<td>HSA 3430</td>
<td>Health Care Economics</td>
</tr>
<tr>
<td>HSA 4109</td>
<td>Principles of Managed Care</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>Community Health</td>
</tr>
<tr>
<td>HSA 4180</td>
<td>Organization &amp; Management for Health Agencies I</td>
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#### Sophomore Year - Fall (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
</tr>
<tr>
<td>HSA 4184</td>
<td>Organization &amp; Management for Health Agencies II</td>
</tr>
<tr>
<td>HSA 4191</td>
<td>Health Care Automation</td>
</tr>
<tr>
<td>HSA 4850</td>
<td>Health Services Administration Internship</td>
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#### Freshman Year - Spring (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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#### Sophomore Year - Fall (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
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<td>Principles of Managed Care</td>
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<tr>
<td>HSA 4191</td>
<td>Health Care Automation</td>
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<tr>
<td>HSA 4850</td>
<td>Health Services Administration Internship</td>
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#### Sophomore Year - Spring (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
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<td>Statistical Methods I</td>
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<tr>
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</tr>
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</table>

### Select 1: Elective / Minor

- 3 hrs

### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
</tr>
<tr>
<td>HSC 3537</td>
<td>Medical Terminology</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>Community Health</td>
</tr>
<tr>
<td>HSA 3222</td>
<td>Long Term Care and Administration</td>
</tr>
<tr>
<td>Select 1: Elective / Minor</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Select 1:

- 3 hrs
**UCF Degree Programs**

**Junior Year - Spring**
- HSA 3170  Health Care Finance  3 hrs
- HSC 4500  Epidemiology  3 hrs
- HSA 4190  Organization & Management for Health Agencies I  3 hrs
- HSA 4191  Health Care Automation  3 hrs
- Elective / Minor  3 hrs

**Senior Year - Fall**
- HSA 3430  Health Care Economics  3 hrs
- HSA 4184  Organization & Management for Health Agencies II  3 hrs
- HIM 4508C  Quality Management  3 hrs
- HSA 4702  Health Sciences Research Methods  3 hrs
- Elective / Minor  3 hrs

**Senior Year - Spring**
- HSA 4108  Principles of Managed Care  3 hrs
- HSC 4564  Health Care Needs of the Elderly  3 hrs
- HSC 4652  Health Law and Ethics  3 hrs
- HSA 4939  Health Services Administration Capstone  3 hrs
- HSA 4850  Health Services Administration Internship  1 hr

**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](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

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**History (B.A.)**

**College of Arts and Humanities**

**Department of History, Colbourn Hall, Room: 551**

[http://www.history.cah.ucf.edu/](http://www.history.cah.ucf.edu/)

**E-mail: history@mail.ucf.edu**

Dr. Rosalind J. Beiler
407-823-2225

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
     - Required AMH 2010  U.S. History: 1492-1877  3 hrs
     - Required AMH 2020  U.S. History: 1877-Present  3 hrs
     - Select one course from 1.B.1 list  3 hrs
   - **C: Mathematical Foundations** (6 hrs)
     - Prefer MGF 1106  Finite Mathematics  3 hrs
     - Prefer CGS 1060C  Introduction to Computer Science  3 hrs
   - (may substitute a higher level math)
   - **D: Social Foundations** (6 hrs)
   - **E: Science Foundations** (6 hrs)

2. **Common Program Prerequisites (CPP)**
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   - AMH 2010  U.S. History: 1492-1877  GEP
   - AMH 2020  U.S. History: 1877-Present  GEP

3. **Core Requirements: Basic Level** (6 hrs)
   - Select one of the following sequences of courses:
     - Select one sequence
       - EUH 2000  Western Civilization I and  3 hrs
       - EUH 2001  Western Civilization II and  3 hrs
     - or
     - WOH 2012  World Civilization I and  3 hrs
     - WOH 2022  World Civilization II and  3 hrs
   - Select six hours of approved history courses within three of 4 geographic regions
     - Asian, African, and Middle Eastern or  6 hrs
     - British and European or  6 hrs
     - Latin American or  6 hrs
     - U.S. and Canadian  6 hrs
   - Select three hours of approved history courses

4. **Capstone Requirements** (3 hrs)
   - None

5. **Restricted Electives** (21 hrs)
   - (Must be taken within the History Department)
   - Students must complete at least 18 of the required 36 History credit hours at UCF.

6. **Foreign Language Requirements**
   - None

7. **Required Minors**
   - 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**
    - Maintain a minimum GPA of 2.0 in upper division required courses attempted.
    - Submit a portfolio during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.
    - Computer competency met by completion of the major.
    - Students must complete at least 18 of the required 36 History credit hours at UCF.

12. **University Minimum Exit Requirements**
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, 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
### Acceptable Substitutes for Transfer Courses

1. AMH 2010: U.S. History: 1492-1877 may be substituted with:
   - AMH 2020: U.S. History: 1877-Present

2. AMH 2010 is a prerequisite for subsequent American History courses.

3. AMH 2020 is a prerequisite for subsequent American History courses.

### Plan of Study

- One of numerous possible plans of study. See program description for all requirements.

#### Freshman Year - Fall

- AMH 2010: U.S. History: 1492-1877: 3 hrs
- ENC 1101: Composition I: 3 hrs
- GEP: 3 hrs

#### Freshman Year - Spring

- AMH 2020: U.S. History: 1877-Present: 3 hrs
- ENC 1102: Composition II: 3 hrs
- GEP: 3 hrs

#### Sophomore Year - Fall

- SPN 1120C: Elementary Spanish Language and Civilization I: 4 hrs
- GEP: 3 hrs
- Core Course: 3 hrs
- CGS 1060C: Introduction to Computer Science: 3 hrs
- Restricted Elective: 3 hrs

#### Sophomore Year - Spring

- SPN 1121C: Elementary Spanish Language and Civilization II: 4 hrs
- Core Course: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs

#### Junior Year - Fall

- HIS 4150: History and Historians: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs

#### Junior Year - Spring

- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs

#### Senior Year - Fall

- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs

#### Senior Year - Spring

- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 4 hrs

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/acacademic_learning_compacts.htm](http://www.oeas.ucf.edu/acacademic_learning_compacts.htm)
Internships

HFT 3840  Internship  3 hrs
HFT 4941  Internship  3 hrs
HFT 4944  Practicum  3 hrs

5. Restricted Electives  (15 hrs)

- Students must take 15 credit hours (five courses) from the following:
  - FSS 3035  Culture and Cuisine  3 hrs
  - FSS 4135  Corporate Contract and Managed Services Organizations  3 hrs
  - FSS 4286C  Catering and Banquet Organization  3 hrs
  - HFT 3353  Golf Planning & Operations I  3 hrs
  - HFT 3354  Agronomy for Golf Course Management  3 hrs
  - HFT 3355  Golf Planning & Operations II  3 hrs
  - HFT 3357  Golf & Club Event Operations  3 hrs
  - HFT 3364  Golf and Club Enterprises Management  3 hrs
  - HFT 3365  Franchising in the Restaurant Industry  3 hrs
  - HFT 3741  Meeting Management  3 hrs
  - HFT 3798  Fairs and Festivals  3 hrs
  - HFT 3868  History and Culture of Wine  3 hrs
  - HFT 4253  Hotel Operations  3 hrs
  - HFT 4266  Restaurant Brand Management  3 hrs
  - HFT 4268  Case Studies in Restaurant Management  3 hrs
  - HFT 4274  Resort Management  3 hrs
  - HFT 4281  Restaurant Leadership Strategies and Tactics  3 hrs
  - HFT 4343  Hospitality Facilities Planning and Design  3 hrs
  - HFT 4358  Golf & Club Facility Design  3 hrs
  - HFT 4432  Hospitality Industry Auditing  3 hrs
  - HFT 4473  Hotel Development Analysis  3 hrs
  - HFT 4522  Resort Sales Tactics and Strategies  3 hrs
  - HFT 4532  Managing the Employee Experience in the 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 4797  Seminar in Quality Brewing and Fine Beer  3 hrs
  - HFT 4798  Fairs and Festivals  3 hrs
  - HFT 4864C  Exploring Wines of the World  3 hrs
  - HFT 4866C  Exploring Wines of the World  3 hrs
  - HFT 4868  Nutrition Concepts and Issues in the Food Service Industry  3 hrs
  - HFT 4944  Practicum  1 hr
  - HFT 4941  Internship  1 hr
  - HFT 4940  Internship  1 hr

6. Capstone Requirements

- None

7. Foreign Language Requirements

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

- Graduation
  - None

- Electives
  - 3-11 hours as necessary to result in 120 total credit hours.

8. 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.

9. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall

- ENC 1101  Composition I  3 hrs
- HFT 1000  Introduction to the Hospitality and Tourism Industry  3 hrs
- STA 2023  Statistical Methods I  3 hrs

Select 1:

- CGS 2100C  Computer Fundamentals for Business or
- PSY 2012  General Psychology or
- CGL 2010  Introduction to Accounting or
- STA 2023  Statistical Methods I  3 hrs
UNIVERSITY OF CENTRAL FLORIDA

UCF Degree Programs

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 3 hrs
Tourism Industry
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3940 Internship 1 hr

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 3 hrs
Hospitality Industry

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes)
for undergraduate programs are located at:
http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $37.50 per term
Full-Time Student: $75 per term

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.

Co-op or internship credit cannot be used in this major without prior approval by the chair.
Students must earn at least a C (2.0) in each required course.
Students should consult with a departmental advisor.
Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses used to fulfill another major may be simultaneously applied to the B.A. in Humanities.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Suggested HUM 2210 Humanistic Tradition I 3 hrs
Suggested HUM 2230 Humanistic Tradition II 3 hrs

Select 1: 3 hrs
Prefer PHI 2010 Introduction to Philosophy or 3 hrs
Prefer REL 2300 World Religions 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)
None

3. Core Requirements: Basic Level (24 hrs)
HUM 2210 Humanistic Tradition I GEP 3 hrs
HUM 2230 Humanistic Tradition II GEP 3 hrs
HUM 2020 Encountering the Humanities 3 hrs
HUM 4953 Senior Research Seminar 3 hrs

4. Core Requirements: Advanced Level (24 hrs)
Concentrations (choose one):
Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

Classical Humanities 24 hrs
Western Traditions and Applications 9 hrs
ARH 4310 Italian Renaissance Art or 3 hrs
ARH 4170 Greek & Roman Art or 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
1 PHH 3100 Ancient Philosophy or 3 hrs
1 PHH 3200 Medieval Philosophy or 3 hrs
1 PHH 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 3 hrs

Foundations 3 hrs
HUM 4301 The Classical Ideal 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 or
    ARH 3520  African Art or
    HUM 3401  Asian Humanities or
    HUM 3417  Hindu Thought and Culture or
    HUM 3419  Islamic Thought and Culture or
    REL 3653  Moses, Jesus and Muhammad or
    HUM 3460  Latin American Humanities or
    JST 3401  Jewish People in Antiquity or
    PHH 3701  Native American Philosophy or
    PHM 3123  Feminist Theories or
    PHI 3790  African Philosophy

  Foundations  3 hrs
    HUM 3320  Contemporary Multicultural Studies

  Select 1:  3 hrs
    HUM 3431  Ancient Humanities or
    HUM 3435  Medieval Humanities

  Select 1:  3 hrs
    HUM 3252  Contemporary Humanities or
    HUM 3255  Modern Humanities

Critical Humanities  24 hrs
  Foundations  9 hrs
    HUM 3255  Modern Humanities and
    HUM 3252  Contemporary Humanities and
    PHI 4804  Critical Theory

  Traditions and Applications  15 hrs
    HUM 4330  Performance Theory or
    HUM 4554  Religious Quest and Human Dilemma or
    HUM 3394  Representations of Place and Space or
    PHH 3510  Marx and Nietzsche or
    PHI 3638  Ethical Issues in the 21st Century or
    PHI 3033  Philosophy, Religion, and the Environment or
    PHM 3022  Sexuality, Gender & Philosophy or
    PHM 3123  Feminist Theories or
    PHP 3786  Existentialism or
    PHP 4782  Phenomenology or
    REL 3111  Religion and Philosophy Through Film or
    REL 3115  Religion, Spirituality, and Popular Music

  5. Restricted Electives  (3 hrs)
    - Select one course from the 'Traditions and Applications' category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor.

    Select 1:  3 hrs
      HUM 4303  The Spiritual Ideal or
      PHI 3700  Philosophy of Religion or
      PHI 3800  Aesthetics or
      Or other courses as approved by advisor

  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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td></td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**
- REL 2300  World Religions or
- PHI 2010  Introduction to Philosophy

**Sophomore Year - Fall**
- GEP
- GEP
- GEP
- Restricted Elective
- Supporting Elective

**Sophomore Year - Spring**
- GEP
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Supporting Elective

**Junior Year - Fall**
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Supporting Elective

**Junior Year - Spring**
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Supporting Elective

**Senior Year - Fall**
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Restricted Elective
- Supporting Elective

**Senior Year - Spring**
- HUM 4933  Senior Research Seminar

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oels.ufl.edu/alc/academic_learning_compacts.htm](http://www.oels.ufl.edu/alc/academic_learning_compacts.htm)

**Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)**

**College of Arts and Humanities**

**Department of Philosophy, Psychology Building, Room: 220**


**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, 321-433-7819

**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.
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.

8. Electives
- Select primarily from upper level courses after meeting with a
  departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Departmental Exit Exam in final semester.
- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of require-
  ments 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 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
- Students considering graduate school in humanities are strongly
  encouraged to take Honors in the Major. Requirements are as follows:

a. Core Requirements, Popular Culture and Capstone
   - Same requirements as for regular majors

b. Honors Thesis
   - 6 hrs
   - HUM 4903H   Honors Directed Reading I 3 hrs
   - HUM 4970H   Undergraduate Honors Thesis 3 hrs

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
- Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alacademic_learning_compacts.htm

Industrial Engineering (B.S.I.E.)
College of Engineering and Computer Science
Department of Industrial Engineering and Management
Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu
407-823-2204

Admission Requirements
- None

Degree Requirements
- Each engineering student is assigned a qualified engineering aca-
  demic 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 prog-
  ress is being maintained.

1. UCF General Education Program (GEP) (38 hrs)
   - The UCF General Education Program (GEP) is described in the
     section, General Education Program, found elsewhere in this catalog.
   - Engineering students should closely study the requirements of the UCF
     GEP and the allowable substitutions detailed in paragraphs A. through
     E. below to minimize excess hours. Students transferring to UCF from
     within the Florida State University/ Community College Systems should
     complete the GEP and the Common Program Prerequisites before trans-
     ferring.

   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

   B: Cultural & Historical Foundations (9 hrs)
   - Select two courses from Historical Foundations 6 hrs
   - Select one class from Cultural Foundations 3 hrs

   C: Mathematical Foundations (7 hrs)
   - Required MAC 2311  Calculus with Analytic Geometry I 4 hrs
   - Required STA 3032  Probability and Statistics for Engineers 3 hrs

   D: Social Foundations (6 hrs)
   - Select 1:
     - Prefer ECO 2013  Principles of Macroeconomics 3 hrs
     - or
     - Prefer ECO 2023  Principles of Microeconomics 3 hrs
   - Select one class from Social Foundations Group 2 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
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E: Science Foundations (7 hrs)
Required
- PHY 2048C Physics for Engineers & Scientists I (4 hrs)
- MA 2312 Calculus with Analytic Geometry I (4 hrs)
- CHM 2045C Chemistry Fundamentals I (4 hrs)
- PHY 2048C Physics for Engineers & Scientists I (4 hrs)
- EIN 3354 Principles of Cost Engineering (3 hrs)
- EIN 3354 Principles of Cost Engineering (3 hrs)
Select one from Science Foundations (3 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in this section.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- 1 MAC 2311 Calculus with Analytic Geometry I GEP
- 1 MAC 2312 Calculus with Analytic Geometry II (4 hrs)
- 1 MAC 2313 Calculus with Analytic Geometry III (4 hrs)
- 1 MAP 2302 Differential Equations (3 hrs)
- 1 PHY 2048C Physics for Engineers & Scientists I GEP
- 1 PHY 2049C Physics for Engineers and Scientists II (4 hrs)
Select 1: 4 hrs
- 2 CHS 1440 Fundamentals of Chemistry for Engineers (4 hrs)
- 1 CHM 2045C Chemistry Fundamentals I (4 hrs)
- 1 A 2.0 cumulative GPA or better is required for this course.
- 2 Preferred

3. Core Requirements: Basic Level (2 hrs)
Engineering Core: Basic
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. 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.

- EGN 3613 Engineering Economic Analysis 2 hrs
- EGN 4624 Engineering Administration 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
- ESI 4628C Industrial Engineering Applications of Computers 3 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

Select 1: 3 hrs
- 1 EIN 3354 Principles of Cost Engineering (3 hrs)
- 1 EIN 3354 Principles of Cost Engineering (3 hrs)
- 1 ESI 4628C Industrial Engineering Applications of Computers (3 hrs)
- 1 EGN 1006C Introduction to the Engineering Profession (1 hr)
- 1 EGN 1007C Engineering Concepts and Methods (1 hr)

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.

5. Restricted 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 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 (6 hrs)
- EIN 4516C Systems Analysis and Design 3 hrs
- EIN 4891C Industrial Engineering Senior Design Project 3 hrs

12. University Minimum Exit Requirements
- 128 Honors In Major
- None

Related Programs
- Mechanical Engineering
- Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5. Restricted Electives.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
- ENC 1101 Composition I (1 hr)
- MAC 2311 Calculus with Analytic Geometry I (4 hrs)
- CHS 1440 Fundamentals of Chemistry for Engineers (4 hrs)

Freshman Year - Spring 12 hrs
- ENC 1102 Composition II (1 hr)
- 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)

Freshman Year - Summer 6 hrs
- COP 3223 Introduction to Programming with C (3 hrs)
### UCF Degree Programs

**Select 1:**
- ECO 2013  Principles of Macroeconomics or 3 hrs
- ECO 2023  Principles of Microeconomics or 3 hrs

**Sophomore Year - Fall**
- MAC 2313  Calculus with Analytic Geometry III 14 hrs
- EIN 3001  Introduction to Industrial Engineering and Management Systems
- PHY 2049C  Physics for Engineers and Scientists II
- STA 3032  Probability and Statistics for Engineers

**Sophomore Year - Spring**
- MAP 2302  Differential Equations 15 hrs
- EGN 3310  Engineering Analysis-Statics
- EIN 4517  Systems Engineering
- EIN 4243C  Human Engineering

**Junior Year - Fall**
- Select 1: 3 hrs
- SPC 1608  Fundamentals of Oral Communication or
- SPC 1603  Fundamentals of Technical Presentations

**Junior Year - Summer**
- EGN 3613  Engineering Economic Analysis 8 hrs
- EIN 3321  Engineering Analysis-Dynamics

**Junior Year - Spring**
- EIN 4364  Facilities Planning 15 hrs
- ESI 4221  Empirical Methods for Industrial Engineering
- EIN 4391  Manufacturing Engineering
- EIN 3354  Principles of Cost Engineering
- ESI 4312  Operations Research
- ESI 4282C  Industrial Engineering Applications of Computers

**Senior Year - Fall**
- EIN 4516C  Systems Analysis and Design 13 hrs
- ESI 4234  Quality Engineering
- Restricted Elective
- EGN 3373  Principles of Electrical Engineering
- EGN 4624  Engineering Administration

**Senior Year - Spring**
- EIN 4891C  Industrial Engineering Senior Design 12 hrs
- Project
- Restricted Elective
- GEP
- GEP

**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

### Information Technology (B.S.)
**College of Engineering and Computer Science**
**Department of Electrical Engineering and Computer Science**
Department, Harris Corp. Engineering Center, Room: 346
E-mail: undergraduate@eecs.ucf.edu

Dr. Ali Orooji
Julie Faris
407-823-3327

### Admission Requirements
- None

### Degree Requirements
- A “C” (2.0) or better is required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.
- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.

1. **UCF General Education Program (GEP)**
   - (37 hrs)
   - A: Communication Foundations 9 hrs
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Select 1: 3 hrs
     - Prefer SPC 1603 Fundamentals of Technical Presentations or
     - Prefer SPC 1608 Fundamentals of Oral Communication
   - B: Cultural & Historical Foundations 9 hrs
   - Required STA 2023 Statistical Methods I 3 hrs
     - Select 1:
     - Suggested MAC 1105C College Algebra or
     - Suggested MAC 1140 Pre-Calculus Algebra 3 hrs
   - C: Mathematical Foundations 6 hrs
     - Required STA 2023 Statistical Methods I 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 3 hrs
     - PSY 2012 General Psychology 3 hrs
     - PHY 2053C College Physics I 3 hrs
     - COP 3223 Introduction to Programming with C 3 hrs
     - COP 3330 Object Oriented Programming 3 hrs
     - CGS 2545C Database Concepts 3 hrs
     - STA 2023 Statistical Methods I 3 hrs
   - Select 1:
     - 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 3502C Computer Science I 3 hrs
     - CIS 3380 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 3003 Fundamentals of Information Technology 3 hrs
     - CIS 4313 Managing IT Integration 3 hrs
     - CNT 4714 Enterprise Computing 3 hrs
     - CIS 4004 Web-Based Information Technology 3 hrs
<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>12 hrs</td>
</tr>
<tr>
<td>ENC 1101  Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1603  Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3223  Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C  College Algebra or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1140  Pre-Calculus Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Freshman Year - Spring</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>ENC 1102  Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1114  College Trigonometry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C  Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013  Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012  General Psychology</td>
<td>3 hrs</td>
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<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>16 hrs</td>
</tr>
<tr>
<td>MAD 2104  Foundations of Discrete Math</td>
<td>3 hrs</td>
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<tr>
<td>COP 3330  Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2053C  College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CIS 3003  Fundamentals of Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td><strong>Sophomore Year - Spring</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>CGS 3269  Computer Architecture Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023  Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2545C  Database Concepts</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td><strong>Junior Year - Fall</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>CAP 4104  Human and Technology Interaction</td>
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<tr>
<td>EEL 5041  Circuit Analysis</td>
<td>3 hrs</td>
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<tr>
<td>CNT 3004  Computer Network Concepts</td>
<td>3 hrs</td>
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<tr>
<td>CIS 3360  Security in Computing</td>
<td>3 hrs</td>
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<td><strong>Select 1:</strong></td>
<td>3 hrs</td>
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<tr>
<td>ENC 3241  Writing for the Technical Professional or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3211  Theory and Practice of Technical Writing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3250  Professional Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Junior Year - Spring</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>CIS 4313  Managing IT Integration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3626  Advanced Ethics in Science and Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4265  Writing for the Computer Industry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4293  Documentation and the Collaborative Process or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4414  Writing and Hypertext or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4415  Digital Rhetorics and The Modern Dialectic</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Senior Year - Fall</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>CNT 4703C  Design and Implementation of Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 4004  Web-Based Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4603  System Administration and Maintenance</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Senior Year - Spring</strong></td>
<td>14 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4910  Frontiers in Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4714  Enterprise Computing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeras.ucf.edu/oa/academic_learning_compacts.htm](http://www.oeras.ucf.edu/oa/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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<table>
<thead>
<tr>
<th>Support Courses</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td><strong>A “C” (2.0) or better is required in all these courses.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td>3 hrs</td>
</tr>
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<td>ENC 4293  Documentation and the Collaborative Process or</td>
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<tr>
<td>ENC 3250  Professional Writing</td>
<td></td>
</tr>
</tbody>
</table>

### Restricted Electives
- 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.

### Capstone Requirements
- None

### Foreign Language Requirements
- None

### Admissions
- None

### Graduation
- None

### Electives
- Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.

### Additional Requirements
- None

### Required Minors
- None

### Departmental Exit Requirements
- Complete an exit interview with an assigned faculty advisor.
- Computer competency met by completion of major.

### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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

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<table>
<thead>
<tr>
<th>Division courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNT 4703C  Design and Implementation of Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4910  Frontiers in Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3626  Advanced Ethics in Science and Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 3763  Operating System Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4603  System Administration and Maintenance</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Support Courses</th>
<th>6 hrs</th>
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<tr>
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### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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UNIVERSITY OF CENTRAL FLORIDA

221 Undergraduate Catalog 2011-2012
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.

8. Electives
- Select primarily from upper level courses, with an Interdisciplinary Studies adviser’s approval.

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

11. Departmental Exit Requirements
- A grade of “C” or above (2.0) is required for each course in the core and restricted electives.
- Computer Competency met by completing this major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women’s Studies Track

Certificates
- None

Related Minors
- Most UCF minors

Advising Notes
- None

Room: 302
Office of Interdisciplinary Studies, Classroom I,
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
407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major
- Co-op credit cannot be used in the major
- Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas
- Students must consult with an Interdisciplinary Studies adviser when entering the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

1. UCF General Education Program (GEP) (36 hrs)

   A: Communication Foundations (9 hrs)
   - Required STA 2023 Statistical Methods I 3 hrs
   - Required STA 2023 Statistical Methods I 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required MAC 1105C College Algebra 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Required MAC 1105C College Algebra 3 hrs
   - Required MAC 1105C College Algebra 3 hrs

   1. May take a higher level math

D: Social Foundations (6 hrs)

   - Required SYG 2000 Introduction to Sociology 3 hrs
   - Required ECO 2013 Principles of Macroeconomics 3 hrs
   - Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1:

   - Required ECO 2013 Principles of Macroeconomics 3 hrs
   - Required ECO 2023 Principles of Microeconomics 3 hrs

2. Common Program Prerequisites (CPP) (11 hrs)

   - None

3. Core Program Prerequisites (CPP) (11 hrs)

   - Core for Environmental Studies:
     - Physical/Mathematical Sciences
       - CHM 2045C Chemistry Fundamentals I 3 hrs
       - MAC 1105C College Algebra 3 hrs
       - MAC 1105C College Algebra 3 hrs
       - STA 2023 Statistical Methods I 3 hrs

     - Life Sciences
       - BSC 2010C Biology I 3 hrs
       - BSC 2010C Biology I 3 hrs
       - PCB 3044 Principles of Ecology 3 hrs
       - PCB 3044 Principles of Ecology Laboratory 1 hr

     - Social Science & Humanities
       - SYG 2000 Introduction to Sociology 3 hrs

   - Select 1: 3 hrs
     - ECO 2013 Principles of Macroeconomics or 3 hrs
     - ECO 2023 Principles of Microeconomics 3 hrs

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 Environmental Society and Science 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 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 Plant Kingdom 5 hrs
     - BOT 4686C Conservation and Management of Native Plants 4 hrs
     - BOT 4713C Plant Taxonomy 5 hrs
     - BSC 4312C Marine Biology 4 hrs
     - CHM 3120 Analytical Chemistry 3 hrs
     - OCE 3008 Oceanography 3 hrs
     - PCB 3063 Genetics 3 hrs
     - PCB 3394C River Ecology 4 hrs
     - PCB 3442 Aquatic Ecology 3 hrs
     - PCB 4302C Physiochemical Limnology 4 hrs
     - PCB 4683 Evolutionary Biology 4 hrs
     - PCB 4723 Animal Physiology 4 hrs
     - PCB 5045 Conservation Biology 4 hrs
     - PCB 5356C 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 Interdisciplinary Studies - Environmental Studies track majors.

   - Environmental Studies track majors.
     - ANT 3541 Biobehavioral Anthropology 3 hrs
     - BOT 3802 Ethnobotany 3 hrs
     - ECP 4303 Environmental and Natural Resource Economics 3 hrs
     - ENC 3211 Theory and Practice of Technical Writing 3 hrs
     - ENC 3241 Writing for the Technical Professional 3 hrs
     - ENC 4360 Nature Writing 3 hrs
     - GIS 4033C Remote Sensing of the Environment 3 hrs
     - INR 4351 International Environmental Law 3 hrs

UCF Degree Programs

UNIVERSITY OF CENTRAL FLORIDA
223 Undergraduate Catalog 2011-2012
## 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)
   - Communication Foundations (9 hrs)
   - Cultural & Historical Foundations (9 hrs)
   - Mathematical Foundations (6 hrs)
   - Social Foundations (6 hrs)
   - 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 (3 hrs)  
    - ANT 4308 Gender Issues in Latin America (3 hrs)  
    - ASH 4304 Women in China (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
A. University Minimum Exit Requirements

- Each of the subject areas.

B. Departmental Exit Requirements

- Required Minors
  - Women's Studies
  - CLAS and nine hours of Summer credit (if applicable)
  - A 2.0 UCF GPA
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

C. Total Semester Hours Required

- 120

D. Honors in Major

- None

E. Related Programs

- Interdisciplinary Studies
- Certificates
- None

F. Related Minors

- Most UCF minors

G. Advising Notes

- None

H. 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 Substitute for Transfer Courses
  - None

I. Plan of Study

- None

J. 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_compakts.htm

K. International and Global Studies (B.A.)

L. College of Sciences

- Department of Political Science, Howard Phillips Hall, Room: 302

M. E-mail: politics@ucf.edu

N. Dr. Roger Handberg

O. 407-823-2608

P. Admission Requirements

- None

Q. 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

Q. Double major/duel degree policy in Political Science

- 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

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

- Prefer WOH 2012 World Civilization I
- Prefer WOH 2022 World Civilization II
- Required One course from GEP B.2 list

C: Mathematical Foundations (6 hrs)

- Math: 3 hrs
- Statistics: 3 hrs

Statistics: 3 hrs

- Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics or
- May substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)

- Prefer POS 2041 American National Government
- Required One course from GEP D.2 list

E: Science Foundations (6 hrs)

- Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics or
- May substitute a more advanced STA course.

F: Functional Foundations (18 hrs)

- Functional: 9 hrs

Select from the following listing:

- CPO 3034 Politics of Developing Areas
- CPO 3104 Politics of Western Europe
- CPO 3403 Politics of the Middle East
- CPO 3614 Politics of Eastern Europe
- CPO 4062 Comparative Judicial Process
- CPO 4074 Political Economy
- CPO 4101 Politics of the European Union
- CPO 4123 Government and Politics of Great Britain
- CPO 4303 Comparative Latin American Politics
- CPO 4353 Politics of Japan
- CPO 4643 Government and Politics of Russia
- CPO 4710 Women in Comparative Politics
- CPO 5334 Contemporary Politics of the Mayan Region
- CPO 5325 Contemporary Revolution and Political Violence
- CPO 4514 Politics of East Asia

Select from the following listing:

- INR 3253 International Politics of Africa
- INR 4380 Diplomacy
- INR 4350 Global Environmental Politics
- INR 4054 Global Politics of Energy
- INR 4074 Immigration Policy
- INR 4075 Human Rights Policy
- INR 4076 Global Drug Policy
- INR 4304 Issues in International Public Policy
- INR 4364 The Intelligence Community
- INR 4714 Politics of International Trade Policy
- INR 4035 International Political Economy
- INR 4065 Women, Gender, and Globalization
- INR 4102 American Foreign Policy
- INR 4104 Topics and Cases in American Foreign Policy
- INR 4114 American Security Policy
- INR 4115 Strategic Weapons and Arms Control
- INR 4224 Contemporary International Politics of Asia
- INR 4243 International Politics of Latin America
- INR 4335 Coercion in International Politics
- INR 4351 International Environmental Law
- INR 4401 International Law I
- INR 4402 International Law II
- INR 4404 Space Law
- INR 4502 International Organizations

- INR 4941 Internship
- PUP 4503 Government and Science
- PUP 4510 Space Policy
- INR 4084 Politics of International Terrorism

- A maximum of 3 hours of Internship can be used.

6. Capstone Requirements

- None

7. Foreign Language Requirements

A: Admissions

- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

B: Graduation

- 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.

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- Select from the following minors (18 hours min)
- No more than one course may be used to fulfill both this track and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Spanish, or Modern Language Combination.

- Asian Studies
- French
- German
- International Business
- Italian
- European Studies
- Latin American Area Studies
- Middle Eastern Studies
- Spanish

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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
- Anthropology
- Economics
- History

Certificates
- None

Related Minors
- Anthropology
- Economics
- History

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WOH 2012 World Civilization I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1107 Explorations in Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
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</table>

Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
</tr>
<tr>
<td>WOH 2022 World Civilization II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 2002 International Relations-Theory and Practice</td>
<td>3 hrs</td>
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</table>

Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEO 3471 World Political Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3703 Scope and Methods of Political Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
</tr>
<tr>
<td>IDS 4315 Global Perspectives</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3103 Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4603 International Relations Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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</table>

Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
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</table>

Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
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<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Interpersonal/Organizational Communication (B.A.)

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)

College of Sciences

Nicholson School of Communication, NSC, Room: 143

[http://communication.cos.ucf.edu](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

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Statistics: 3 hrs
- Required STA 2014C Basic Statistics Using Microsoft Excel or Principles of Statistics 3 hrs

Math: 3 hrs
- Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
- Prefer MGF 1107 Explorations in Mathematics or You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 1060C Basic Statistics Using Microsoft Excel</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>GEP</td>
</tr>
</tbody>
</table>

Computer Science:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2585C Desktop/Internet Publishing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 3175 Internet Applications</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level (12 hrs)

Take all of the following: 12 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3011C Communication and Human Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3120 Organizational Communication and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3311 Communication Research Methods and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 3301 Interpersonal Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### UCF Degree Programs

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 3 hrs
- SPC X949: Coop 3 hrs
- COM X949: Coop 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.

- 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

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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**

- ENC 1101: Composition I 3 hrs
- ENC 3011C: Communication and Human Relations 3 hrs
- MGF 1107: Explorations in Mathematics 3 hrs
- Foreign Language 4 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs

**Freshman Year - Spring**

- ENC 1102: Composition II 3 hrs
- STA 2014C: Principles of Statistics 3 hrs
- GE P: 3 hrs
- Foreign Language 4 hrs
- Free Elective 3 hrs

**Sophomore Year - Fall**

- Free Elective 3 hrs
- GE P: 3 hrs
- GE P: 3 hrs
- GE P: 3 hrs
- CGS XXXX: Computer course 3 hrs

**Sophomore Year - Spring**

- Free Elective 3 hrs
- GE P: 3 hrs
- GE P: 3 hrs
- GE P: 3 hrs

**Junior Year - Fall**

- 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**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Fall**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oias.ucf.edu/alc/academic_learning_compacts.htm](http://www.oias.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
Dr. Steve Collins, Area Coordinator, scollins@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
407-823-2681

Admission Requirements
- Students are required to explain their Journalism field experience to the students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.
- Admission is based on multiple factors, not strictly GPA.
- A 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 journalism 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.
- Journalism 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 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.
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.
- Students are urged to contact their school advisor before registering for a class.
- It is the student’s responsibility to ensure that course prerequisites have been satisfied before registering for a class.

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.
- 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.
- The minor must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap.

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.
- Apply for admission to the major

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- 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
- 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
- ENC 1101 Composition I 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- Foreign Language 4 hrs
- STA 2014C Principles of Statistics 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs

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 3004 History of American Journalism 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 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.oeas.ucf.edu/aic/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.
- 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)
   - Communication Foundations (9 hrs)
   - B. Cultural & Historical Foundations (9 hrs)
     - Select 2 Courses From B.1 Based On Area Selections 6 hrs
   - C. Mathematical Foundations (6 hrs)
     - Suggested STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Select 1:
- Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

D. Social Foundations (6 hrs)
- Select 2 Courses From E.1 Based On Area Selections 6 hrs

E. Science Foundations (6 hrs)
- Select 2 Courses From E.2 Based On Area Selections 6 hrs

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (3 hrs)
   - LAS 2001 Topics in Latin American Studies 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
   - ANT 4332 People and Cultures of Latin America 3 hrs
   - GEA 4405 Geography of Latin America 3 hrs
   - LAH 3200 Modern Latin America 3 hrs
   - LAS 3101 Latin American Popular Culture 3 hrs

5. Restricted Electives (21 hrs)
   - Restricted electives are divided into two areas of emphasis. Students must take a minimum of 12 credit hours in the first area of emphasis and 9 additional credit hours in the second area of emphasis as detailed below.
   - Students may not use more than 9 credit hours of courses with the same prefix within the first area of emphasis or more than 6 credit hours of courses with the same prefix within the second area of emphasis.
   - Note that this is not an exhaustive list of course options. Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the program director.

AREA ONE:
ANTHROPOLOGY
- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3161 Archaeology of Mexico 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 4768 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 I 3 hrs
- ARH 3670 20th Century Latin American Art 3 hrs
- ARH 3673 Modern Art of Mexico 3 hrs
- ARH 3674 Latin American Popular Visual Culture 3 hrs
- ARH 4653 Meso American Art 3 hrs

ENGLISH
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- AML 3682 Ethnic Literature in America 3 hrs
- AML 4630 Latino/Latina Literature 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- LIT 3381 Women Writers of Color 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs

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
- PUP 3314 Minorities in American Politics 3 hrs

6. Capstone Requirements
- Required Experiential Learning (capstone experience, 0 - 3 hrs):
- Students are required to complete a study or work experience in Latin American Studies. This may be fulfilled through participation in any one of the following:
  - 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 authorized if 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.

UNIVERSITY OF CENTRAL FLORIDA

UCF Degree Programs
7. Foreign Language Requirements

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/al/aacademic_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
Students should consult with a departmental advisor.
The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- 33 hours of PLA coursework must be taken at UCF
- 2.0 in all PLA work at UCF and overall

1. UCF General Education Program (GEP)  (36 hrs)
   A: Communication Foundations  (9 hrs)
      Required ENC 1101  Composition I  3 hrs
      Required ENC 1102  Composition II  3 hrs
      Prefer SPC 1608  Fundamentals of Oral Communication  3 hrs
   B: Cultural & Historical Foundations  (9 hrs)
   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:
     - A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student’s advisor.

   6. Capstone Requirements  (3 hrs)
   - Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.
     PLA 4935  Capstone: Legal Issues  3 hrs

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.

8. Electives
   - If students chose the following electives, they must complete them with a minimum grade of a "C" (2.0):
     PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
   - Students must take a minimum of 33 hours of PLA courses at UCF.
   - The total semester hours required is 120.
   - Second Bachelor’s degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, 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

Related Minors
- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall  14 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- PAF 2102  Public Affairs Careers  2 hrs
- Select 1: 3 hrs
- PSY 2012  General Psychology or  3 hrs
- SYG 2000  Introduction to Sociology  3 hrs
- Select 1: 3 hrs
- BSC 1005  Biological Principles or  3 hrs
- MCB 1310  Introduction to Biotechnology and Genetic Engineering  3 hrs

Freshman Year - Spring  15 hrs
- ENC 1102  Composition II  3 hrs
- CGS 1060C  Introduction to Computer Science  3 hrs
- Free Elective  3 hrs
- Select 1: 3 hrs
- ECO 2013  Principles of Macroeconomics or  3 hrs
- POS 2041  American National Government or  3 hrs
- ECO 2023  Principles of Microeconomics  3 hrs
- Select 1: 3 hrs
- ARH 2050  History of Western Art I or  3 hrs
- ARH 2051  History of Western Art II or  3 hrs
- MUL 2010  Enjoyment of Music or  3 hrs
- THE 2000  Theatre Survey or  3 hrs
- REL 2300  World Religions or  3 hrs
- PHI 2010  Introduction to Philosophy or  3 hrs
- LIT 2110  World Literature I or  3 hrs
- LIT 2120  World Literature II  3 hrs
Sophomore Year - Fall 16 hrs
- SPC 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

Sophomore Year - Spring 16 hrs
- PLA 3014 Law and the Legal System 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs

Select 1: 3 hrs
- EUH 2001 Western Civilization II or
- HUM 2230 Humanistic Tradition II or
- AMH 2020 U.S. History: 1877-Present 3 hrs
- Foreign Language II or BS option 4 hrs

Junior Year - Fall 15 hrs
- PLA 3108 Legal Research 3 hrs
- PLA 3205 Civil Practice and Procedure 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Spring 15 hrs
- PLA 3155 Legal Writing 3 hrs
- PLA 3615 Property and Real Estate Law 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
- PLA 4703 Professional Ethics and Liability 3 hrs
- Supporting Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Internship or Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
- PLA 4935 Capstone: Legal Issues 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Internship or Restricted Elective 3 hrs

Program Academic Learning Compacts
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
- Students majoring in Management must earn a grade of "C" (2.0) or better in the following courses and each course applied towards the major:
  - MAN 3025 Management of Organizations 4 hrs
  - MAN 4720 Strategic Management 4 hrs

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - Required MAC 1140 Pre-Calculus Algebra 3 hrs
   - C: Mathematical Foundations (6 hrs)
     - Required STA 2023 Statistical Methods I 3 hrs
   - D: Social Foundations (6 hrs)
     - Required SPC 1608 Fundamentals of Oral Communication 3 hrs
     - Required MAC 1140 Pre-Calculus Algebra 3 hrs
   - E: Science Foundations (6 hrs)
     - Required ECO 2013 Principles of Microeconomics 3 hrs
     - Required ECO 2023 Principles of Microeconomics 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.

   - Required MAC 2233 Concepts of Calculus 3 hrs
   - Required MAC 2233 Concepts of Calculus 3 hrs
   - Required MAC 2233 Concepts of Calculus 3 hrs
   - Required MAC 2233 Concepts of Calculus 3 hrs
   - Required MAC 2233 Concepts of Calculus 3 hrs
   - Required MAC 2233 Concepts of Calculus 3 hrs
   - Required MAC 2233 Concepts of Calculus 3 hrs
   - Required MAC 2233 Concepts of Calculus 3 hrs

Select one of the following courses:
- Students who have not completed both MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.

   - Required ECO 3401 Quantitative Business Tools I 3 hrs
   - Required MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
   - None
   - Required 4. Core Requirements: Advanced Level (32 hrs)
     First or subsequent semester in the College of Business Administration:
     - BUL 3130 Legal and Ethical Environment of Business 4 hrs
     - ECO 3411 Quantitative Business Tools II 4 hrs
     - FIN 3403C Business Finance 4 hrs
     - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     - GEB 3375 Introduction to International Business 4 hrs
     - MAN 3025 Management of Organizations 4 hrs
     - MAR 3023 Marketing 4 hrs
     - MAR 3203 Supply Chain Management 4 hrs
     - Required in 1st or 2nd semester
     - Must be taken with GEB 3031

5. Restricted Electives (24 hrs)
   - Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:
### Human Resource Management Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3301 Management of Human Resources and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4240 Organizations: Theory and Behavior and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4250 Human Resources Recruitment and Selection and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4330 Compensation Administration and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4350 Training and Development</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Elective Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 4540 Employment Law or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 3113 How to Start a Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4110 Business Plan Preparation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4111 New Venture Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4435 Moral Foundations of Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any MAN Course</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### General Management Track

<table>
<thead>
<tr>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3301 Management of Human Resources and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3520 Quality &amp; Productivity Management and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4240 Organizations: Theory and Behavior and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4441 Conflict Resolution and Negotiation and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4701 Business Ethics and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Elective Courses

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<td>BUL 4540 Employment Law or</td>
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<td>GEB 3113 How to Start a Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4110 Business Plan Preparation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4111 New Venture Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4435 Moral Foundations of Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any MAN Course</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Entrepreneurship Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3113 How to Start a Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4435 Moral Foundations of Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any MAN Course</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4720 Strategic Management</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 7. Foreign Language Requirements

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### 8. Electives

- (variable)

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

### 12. University Minimum Exit Requirements

- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors in Major

- None

### Related Programs

- None

### Certificates

- None

### Related Minors

- None

### Advising Notes

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

### Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

### Acceptable Substitutes for Transfer Courses

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2021 Principles of Financial Accounting may be substituted with: ACG X001 3 hrs
- ACG X011

### Plan of Study

- Must complete 9 hours in a summer semester.

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Art/Music/Lit</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACS 2021 Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### UCF Degree Programs

**Human Resource Management Track**

**Junior Year - Fall**
- MAR 3391 Professional Selling: 3 hrs
- Restricted Elective: 3 hrs

**Junior Year - Spring**
- 3 hrs

**Senior Year - Fall**
- 2 Must be taken with GEB 3031
- 1 Required in 1st or 2nd semester

**General Management Track**

**Junior Year - Fall**
- 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
- MAN 3025 Management of Organizations: 4 hrs
- MAN 3520 Quality & Productivity Management: 3 hrs

**Junior Year - Spring**
- ECO 3411 Quantitative Business Tools II: 4 hrs
- FIN 3403C Business Finance: 4 hrs
- MAN 3233 Marketing: 4 hrs
- MAN 3233 Supply Chain Management: 4 hrs

**Senior Year - Fall**
- GEB 3375 - Introduction to International Business: 4 hrs
- MAN 3301 Management of Human Resources: 3 hrs
- MAN 4240 Organizations: Theory and Behavior: 3 hrs
- Restricted Elective: 3 hrs
- Free Elective: 3 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 higher 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.

**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
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)

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Suggested ECO 2013 Principles of Macroeconomics 3 hrs
or
Suggested ECO 2023 Principles of Microeconomics 3 hrs
Select 1: 3 hrs
Suggested PSY 2012 General Psychology or 3 hrs
Suggested ANT 2000 General Anthropology or 3 hrs
Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
Select one of the following sequences of courses:
Students who have not completed both MAC 2233 and STA 2023
with a "C" (2.0) or better must take ECO 3401

E 1. 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 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
- None

4. Core Requirements: Advanced Level (50 hrs)
First or subsequent semester in the College of Business 32 hrs
Administration:
- GE 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- BUL 2130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools I 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- MAR 3203 Supply Chain Management 4 hrs
- " Required in 1st or 2nd semester

Required Courses 18 hrs
- MAR 3391 Professional Selling 3 hrs
- MAR 3503 Consumer Behavior 3 hrs
- MAR 3613 Marketing Analysis and Research 3 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR 4803 Marketing Management 3 hrs
- MAR 4804 Marketing Strategy 3 hrs
- " Required in 1st or 2nd semester

5. Restricted Electives (6 hrs)
General Marketing
- Select a minimum of 2 courses from the following list of courses:
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3721 Technology Applications in Marketing 3 hrs
  - MAR 4231 Retailing Management 3 hrs
  - MAR 4711 Sport Marketing 3 hrs
  - MAR 4712 Healthcare Marketing 3 hrs
  - MAR 4715 Entertainment Marketing 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4941 Marketing Internship 3 hrs

Professional Selling Track 9 hrs
- Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Department faculty committee will select a maximum of 40 professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form. Must have earned a grade of B (3.0) or higher in the following to apply:
  - MAR 3391 Professional Selling 3 hrs

Take all of the following: 9 hrs
- MAR 3403 Sales Force Management and 3 hrs
- MAR 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

- This course is taken in the graduating term and requires the following prerequisites:
  - GE 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
  - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
- None

8. Electives
- (Variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- None

Certificates
- Marketing: 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
## University of Central Florida

### Undergraduate Catalog 2011-2012

#### 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

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>Cult-Hist I</td>
<td>Elective</td>
</tr>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
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<table>
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<tr>
<th>Sophomore Year - Fall</th>
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<tbody>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
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<tr>
<th>Sophomore Year - Spring</th>
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<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
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<tr>
<th>Junior Year - Fall</th>
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</tr>
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<tbody>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
</tr>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
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<td>MAR 3023</td>
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<td>MAR 3931</td>
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<td>Legal and Ethical Environment of Business</td>
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<tr>
<td>MAR 4803</td>
<td>Marketing Management</td>
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<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
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<tr>
<td>MAR 3641</td>
<td>Marketing Intelligence</td>
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### Marketing: Professional Selling Track

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<td>Strategic Management</td>
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<td>Marketing Strategy</td>
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<td>GE Non-Business Elective</td>
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### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### 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.

Note: Certain courses must be selected for this major, bringing GEP above 36.

1. UCF General Education Program (GEP) (38 hrs)
   - Note: Certain courses must be selected for this major, bringing GEP hours above 36.

   A: Communication Foundations (9 hrs)
   - Required  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

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 3421  Statistical Theory I  3 hrs
   - STA 3422  Statistical Theory II  3 hrs
   - MAA 2262  Advanced Calculus I  4 hrs
   - COP 4500  Numerical Calculus  3 hrs
   - MAP 4103  Mathematical Modeling I  3 hrs
   - Select 1: 3 hrs
     ENC 3241  Writing for the Technical Professional or
     ENC 3310  Magazine Writing I or
     ENC 3311  Advanced Expository Writing  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: 3 hrs
     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-Stats 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: 3 hrs
     PCB 3044  Principles of Ecology or
     PCB 3063  Genetics or
     PCB 4302C  Physicochemical Limnology or
     PCB 4303C  Biological Limnology or
     CHM 3410  Physical Chemistry I or
     CHM 2210  Organic Chemistry I or
     PHYS 3101  Physics for Engineers and Scientists III or
     PHYS 3323  Electricity and Magnetism I or
     PHY 4324  Electricity and Magnetism II or
     PHY 4424  Optics or
     PHY 4604  Waves and Mechanics  3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   - None

8. Electives
   - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-4 above)
    - Participate in an exit interview
    - Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
### Related Programs
- Computer Science
- Mathematics Education
- Statistics
- Electrical Engineering
- Mechanical Engineering
- Aerospace Engineering
- Computer Engineering

### Certificates
- None

### Related Minors
- Computer Science
- Economics
- Physics

### Advising Notes
- None

### Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- 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
- MAC 2311: Calculus with Analytic Geometry I (4 hrs)
- STA 2023: Statistical Methods I (3 hrs)
- GEP (3 hrs)

#### Freshman Year - Spring
- MAC 2312: Calculus with Analytic Geometry II (4 hrs)
- MHF 3302: Logic and Proof in Mathematics (3 hrs)
- GEP (3 hrs)
- Restricted Elective (3 hrs)

#### Sophomore Year - Fall
- 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
- 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
- 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
- COP 3502C: Computer Science I (3 hrs)
- MAA 4402: Introduction to Complex Variables (3 hrs)

#### Senior Year - Fall
- MAA 4402: Introduction to Complex Variables (3 hrs)
- Free Elective (3 hrs)
- GEP (4 hrs)

#### Senior Year - Spring
- 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.oears.ucf.edu/alc/academic_learning_compacts.htm

### Mathematics - Computational Track (B.S.)
#### Department of Mathematics, Math and Physics, Room: 207

**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.
- 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 may be selected for this major, bringing GEP hours above 36

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<td>C: Mathematical Foundations</td>
<td>7 hrs</td>
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<tr>
<td>Required</td>
<td>MAC 2311: Calculus with Analytic Geometry I</td>
</tr>
<tr>
<td>Required</td>
<td>COP 3502C: Computer Science I</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>7 hrs</td>
</tr>
<tr>
<td>Physical Sciences:</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>PHY 2048C: Physics for Engineers &amp; Scientists I</td>
</tr>
</tbody>
</table>

#### Life Sciences: Select one course listed in GEP E 2 (3 hrs)

- 207
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 3502 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 4226 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 4303C Computer Science II 4 hrs
- COT 4500 Numerical Calculus 3 hrs
- Select 1: 3 hrs
  - MHF 3302 Logic and Proof in Mathematics or 3 hrs
  - COT 3100C Introduction to Discrete Structures 3 hrs
- Select 1: 3 hrs
  - MAP 4103 Mathematical Modeling I or 3 hrs
  - MAP 4153 Vector and Tensor Analysis 3 hrs

5. Restricted Electives (18 hrs)
- 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 any MAA, MAD, MAP, MAS, or MTG upper division courses 4 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

8. Electives
- None
- 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
- Free Elective 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 16 hrs
- GEP
- GEP
- GEP
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall 15 hrs
- GEP
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring 14 hrs
- GEP
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 15 hrs
- GEP
- 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
### UCF Degree Programs

**Mathematics - Engineering/Physics Track (B.S.)**

**College of Sciences**

**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 Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

### Admission Requirements

- **None**

- **Degree Requirements**
  - Students who change degree programs and select this major must adopt the most current catalog.
  - Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
  - Students must earn at least a C (2.0) in each required course.
  - Co-op or internship credit cannot be used in this major.
  - Students should consult with a departmental advisor.
  - Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
  - All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
    - **MAC 2311** Calculus with Analytic Geometry I 4 hrs
    - **MAC 2312** Calculus with Analytic Geometry II 4 hrs
    - **MAC 2313** Calculus with Analytic Geometry III 4 hrs
    - **MAP 2302** Differential Equations 3 hrs

1. **UCF General Education Program (GEP)** (38 hrs)

- Note: Certain courses must be selected for this major, bringing GEP hours above 36

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(7 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td><strong>MAC 2311</strong> Calculus with Analytic Geometry I 4 hrs</td>
</tr>
<tr>
<td>Required</td>
<td><strong>COP 3502C</strong> Computer Science I 3 hrs</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>(7 hrs)</td>
</tr>
<tr>
<td>Physical Sciences</td>
<td>(4 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td><strong>PHY 2048C</strong> Physics for Engineers &amp; Scientists I 4 hrs</td>
</tr>
</tbody>
</table>

### Life & Earth Sciences. (3 hrs)

Select one course listed in GEP E 2.

2. **Common Program Prerequisites (CPP) (18 hrs)**

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- See Transfer Notes for possible substitutes for the courses below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COP 3223</strong></td>
<td>Introduction to Programming with C 3 hrs</td>
</tr>
<tr>
<td><strong>MAC 2311</strong></td>
<td>Calculus with Analytic Geometry I 4 hrs</td>
</tr>
<tr>
<td><strong>MAC 2312</strong></td>
<td>Calculus with Analytic Geometry II 4 hrs</td>
</tr>
<tr>
<td><strong>MAC 2313</strong></td>
<td>Calculus with Analytic Geometry III 4 hrs</td>
</tr>
<tr>
<td><strong>MAP 2302</strong></td>
<td>Differential Equations 3 hrs</td>
</tr>
<tr>
<td><strong>PHY 2048C</strong></td>
<td>Physics for Engineers &amp; Scientists I 3 hrs</td>
</tr>
<tr>
<td><strong>PHY 2049C</strong></td>
<td>Physics for Engineers and Scientists II 4 hrs</td>
</tr>
</tbody>
</table>

3. **Core Requirements: Basic Level (3 hrs)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COP 3502C</strong></td>
<td>Computer Science I 3 hrs</td>
</tr>
<tr>
<td><strong>MAP 2302</strong></td>
<td>Differential Equations 3 hrs</td>
</tr>
<tr>
<td><strong>PHY 2048C</strong></td>
<td>Physics for Engineers &amp; Scientists I 3 hrs</td>
</tr>
<tr>
<td><strong>PHY 2049C</strong></td>
<td>Physics for Engineers and Scientists II 4 hrs</td>
</tr>
</tbody>
</table>

4. **Core Requirements: Advanced Level (53 hrs)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAP 4103</strong></td>
<td>Mathematical Modeling I or 3 hrs</td>
</tr>
<tr>
<td><strong>MLP 304C</strong></td>
<td>Modeling Methods in Mechanical and Aerospace Engineering or 3 hrs</td>
</tr>
<tr>
<td><strong>PHZ 3151</strong></td>
<td>Computer Methods in Physics 3 hrs</td>
</tr>
<tr>
<td><strong>EGN 3420</strong></td>
<td>Engineering Analysis or 3 hrs</td>
</tr>
<tr>
<td><strong>COT 4500</strong></td>
<td>Numerical Calculus 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EML 304C</strong></td>
<td>Engineering Analysis or 3 hrs</td>
</tr>
<tr>
<td><strong>EGN 3373</strong></td>
<td>Principles of Electrical Engineering or 3 hrs</td>
</tr>
<tr>
<td><strong>PHY 3101</strong></td>
<td>Physics for Engineers and Scientists III 3 hrs</td>
</tr>
<tr>
<td><strong>CHM 2046</strong></td>
<td>Chemistry Fundamentals II or 3 hrs</td>
</tr>
<tr>
<td><strong>MAD 4203</strong></td>
<td>Applied Combinatorics 3 hrs</td>
</tr>
<tr>
<td><strong>MAC 2311</strong></td>
<td>Calculus with Analytic Geometry I 4 hrs</td>
</tr>
<tr>
<td><strong>MAC 2312</strong></td>
<td>Calculus with Analytic Geometry II 4 hrs</td>
</tr>
<tr>
<td><strong>MAC 2313</strong></td>
<td>Calculus with Analytic Geometry III 4 hrs</td>
</tr>
<tr>
<td><strong>MAP 2302</strong></td>
<td>Differential Equations 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EML 3701</strong></td>
<td>Fluid Mechanics I or 3 hrs</td>
</tr>
<tr>
<td><strong>CWR 3201</strong></td>
<td>Engineering Fluid Mechanics or 3 hrs</td>
</tr>
<tr>
<td><strong>PHY 3101</strong></td>
<td>Physics for Engineers and Scientists III or 3 hrs</td>
</tr>
<tr>
<td><strong>ESI 4628C</strong></td>
<td>Industrial Engineering Applications of Computers or 3 hrs</td>
</tr>
<tr>
<td><strong>PHZ 3113</strong></td>
<td>Introduction to Theoretical Methods of Physics 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EML 3331</strong></td>
<td>Mechanics of Materials or 3 hrs</td>
</tr>
<tr>
<td><strong>CHM 2046</strong></td>
<td>Chemistry Fundamentals II or 3 hrs</td>
</tr>
<tr>
<td><strong>ESI 4312</strong></td>
<td>Operations Research or 3 hrs</td>
</tr>
<tr>
<td><strong>EGM 4201</strong></td>
<td>Solid Mechanics or 3 hrs</td>
</tr>
<tr>
<td><strong>EML 4220</strong></td>
<td>Vibration Analysis or 3 hrs</td>
</tr>
<tr>
<td><strong>EEL 4004</strong></td>
<td>Electrical Networks or 3 hrs</td>
</tr>
<tr>
<td><strong>PHY 4604</strong></td>
<td>Wave Mechanics I or 3 hrs</td>
</tr>
</tbody>
</table>
Or any MAA, MAD, MAP, or MAS course at 3000 level or above 3 hrs

Select 1: 3 hrs

CES 4100C Structural Analysis I and Lab or 4 hrs
EGN 3331 Mechanics of Materials or 3 hrs
EIN 3001 Introduction to Industrial Engineering and Management Systems or 3 hrs
EAS 3101 Fundamentals of Aerodynamics or 3 hrs
EGM 3601 Solid Mechanics or 3 hrs
EEL 3004 Electrical Networks or 3 hrs
or any PHY, AST, PHZ, MAA, MAD, MAP, or MAS course at 3000 level or above 3 hrs

1 (PHY 3101 may be selected only if EGN 3373 is also taken)

5. Restricted Electives (6 hrs)
Select 2: 6 hrs

STA 4321 Statistical Theory I or 3 hrs
STA 4322 Statistical Theory II or 3 hrs
PHY 3323 Electricity and Magnetism I or 3 hrs
PHY 4324 Electricity and Magnetism II or 3 hrs
EGN 3365 Structure and Properties of Materials or 3 hrs
EGN 3613 Engineering Economic Analysis or 2 hrs
EEE 3342C Digital Systems or 3 hrs
EEL 3801C Computer Organization or 3 hrs
EEL 3657 Linear Control Systems or 3 hrs
EML 4142 Heat Transfer or 3 hrs
EML 4312C Feedback Control or 3 hrs
EML 3262 Kinematics of Mechanisms or 3 hrs
EAS 4200 Flight Structures or 3 hrs
EAS 4400 Spacecraft Attitude Dynamics or 3 hrs
EAS 4505 Orbital Mechanics or 3 hrs
EAS 4105 Flight Mechanics or 3 hrs
EML 4703 Fluid Mechanics II or 3 hrs
EMA 4223 Fundamentals of Mechanical Behavior of Materials or 3 hrs
CWR 4203C Hydraulics or 3 hrs
CWR 4101C Hydrology or 3 hrs
ENV 4561 Environmental Engineering Operations & Processes or 3 hrs
ESI 4234 Quality Engineering or 3 hrs
ESI 4523C Systems Simulation or 3 hrs
EIN 4333 Production and Distribution Systems or 3 hrs
EEL 3470 Electromagnetic Fields or 3 hrs
EEL 3552C Analog and Digital Communication or 4 hrs
EEL 4750 Digital Signal Processing Fundamentals or 3 hrs
EEL 4742C Embedded Systems or 4 hrs
EEL 4832 Engineering Applications of Computer Methods or 3 hrs
EEL 4851C Engineering Data Structures or 4 hrs
or any MAA, MAD, MAP, or MAS course at 3000 level or above 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. Departmental Exit Requirements
■ Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-5 above).
■ Participate in an exit interview.
■ Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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 PHY, CHM or BSC course with a lab designed for science majors to satisfy the CPP; however, these physics classes are core requirements and still must be taken.

Plan of Study
■ This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
■ Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
■ Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall
■ 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

http://mathplacement.sdes.ucf.edu/
UCF Degree Programs

Junior Year - Fall 15 hrs
GEP 3 hrs
Core Course 3 hrs
Core Course 3 hrs
MAP 4153 3 hrs
Vector and Tensor Analysis
Free Elective 3 hrs

Junior Year - Spring 16 hrs
MAA 4402 3 hrs
Introduction to Complex Variables
MAA 4226 4 hrs
Advanced Calculus I
Core Course 3 hrs
Core Course 3 hrs
Core Course 3 hrs
GEP 3 hrs

Senior Year - Fall 15 hrs
MAP 4363 3 hrs
Applied Boundary Value Problems I
EGN 3321 3 hrs
Engineering Analysis-Dynamics
Core Course 3 hrs
Core Course 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
MAP 4364 3 hrs
Applied Boundary Value Problems II
Core Course 3 hrs
Core Course 3 hrs
Core Course 3 hrs
Restricted Elective 3 hrs
Core Course 3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Mathematics - Mathematical Economics Track
(B.S.)
College of Sciences
Department of Mathematics, Math and Physics,
Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. 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 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)
Prefer SPC 1608 Fundamentals of Oral Communication
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I
Required STA 2023 Statistical Methods I
D: Social Foundations (6 hrs)
Select 1: 3 hrs
Required ECO 2013 Principles of Macroeconomics
or
Required ECO 2023 Principles of Microeconomics
Select 1: 3 hrs
Suggested PSY 2012 General Psychology
or
Suggested SYG 2000 Introduction to Sociology
or
Suggested ANT 2000 General Anthropology
E: Science Foundations (7 hrs)
1. Physical or Life Science designed for majors. 4 hrs
Required BSC 2010C Biology I or
Required CHM 2045C Chemistry Fundamentals I or
Required PHY 2048C Physics for Engineers & Scientists I
2. Remaining Science Requirement 3 hrs
Complete the section of the Science GEP not yet taken.

2. Common Program Prerequisites (CPP) (14 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
■ See Transfer Notes for possible substitutes.
COP 3223 Introduction to Programming with C 4 hrs
MAC 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs

Select a science course designed for majors: 4 hrs
Required BSC 2010C Biology I or
Required CHM 2045C Chemistry Fundamentals I or
Required PHY 2048C Physics for Engineers & Scientists I

3. Core Requirements: Basic Level (26 hrs)
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics GEP
MHF 3302 Logic and Proof in Mathematics 3 hrs
MAP 2302 Differential Equations CPP
MAS 3105 Matrix and Linear Algebra 4 hrs
STA 4321 Statistical Theory I 3 hrs
ECO 3101 Intermediate Microeconomics 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs
ECO 4451 Research Methods in Economics 3 hrs
STA 2023 Statistical Methods I GEP

Remaining Science Sequence
■ Complete the science sequence started in the Common Program Prerequisites.
PHY 2049C Physics for Engineers and Scientists II 4 hrs
or
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
or
BSC 2011C Biology II 4 hrs

4. Core Requirements: Advanced Level (17 hrs)
MAA 4226 Advanced Calculus I 4 hrs
MAS 3106 Linear Algebra 4 hrs
MAP 4103 Mathematical Modeling I 3 hrs
ECO 3410 Mathematical Economics 3 hrs
ECO 4412 Econometrics 3 hrs
## Plan of Study

- **Freshman Year - Fall**  
  - ENO 1101  
  - ECO 2013  
  - STA 2023  
  - COP 3223  
  - **Total Semester Hours Required**  

- **Freshman Year - Spring**  
  - ECO 2023  
  - MAC 2311  
  - MAC 2312  
  - STA 4322  

- **Sophomore Year - Fall**  
  - ECO 3013  
  - MAC 2513  
  - STA 4321  

- **Sophomore Year - Spring**  
  - ECO 3103  
  - MAP 4113  
  - GEP 4103  

- **Junior Year - Fall**  
  - MAP 2302  
  - STA 3421  
  - STA 4351  

- **Junior Year - Spring**  
  - ECO 3410  
  - MAP 4113  
  - GEP 4103  

- **Senior Year - Fall**  
  - MAC 3205  
  - MAP 4113  
  - STA 4351  

- **Senior Year - Spring**  
  - STA 4202  
  - COP 3223  
  - GEP 4103  

**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](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

## Mathematics - Pure Track (B.S.)

**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**

---

<table>
<thead>
<tr>
<th>5. Restricted Electives (18 hrs)</th>
<th>Plan of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select three courses from each of the following two areas:</td>
<td>One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.</td>
</tr>
<tr>
<td><strong>Area 1</strong></td>
<td><strong>Freshman Year - Fall</strong></td>
</tr>
<tr>
<td>COT 4003</td>
<td>ENO 1101  Composition I</td>
</tr>
<tr>
<td>MAA 4402</td>
<td>MAC 2311  Calculus with Analytic Geometry I</td>
</tr>
<tr>
<td>MAP 4383</td>
<td>STA 2023  Statistical Methods I</td>
</tr>
<tr>
<td>MAP 4413</td>
<td>GEP 3 hrs</td>
</tr>
<tr>
<td>GEP 4402</td>
<td>COP 3223  Introduction to Programming with C</td>
</tr>
<tr>
<td><strong>Area 2</strong></td>
<td><strong>Freshman Year - Spring</strong></td>
</tr>
<tr>
<td>ECO 3703</td>
<td>ECO 2023  Principles of Microeconomics</td>
</tr>
<tr>
<td>ECO 4713</td>
<td>MAC 2312  Calculus with Analytic Geometry II</td>
</tr>
<tr>
<td>ECO 4504</td>
<td>MAC 3302  Logic and Proof in Mathematics</td>
</tr>
<tr>
<td>ECP 4403</td>
<td>ENC 1102  Composition II</td>
</tr>
<tr>
<td>ECP 4303</td>
<td>GEP 3 hrs</td>
</tr>
<tr>
<td>STA 4322</td>
<td><strong>Total Semester Hours Required</strong></td>
</tr>
<tr>
<td>Statistical Theory II</td>
<td><strong>16 hrs</strong></td>
</tr>
</tbody>
</table>

### Related Programs
- **Mathematics - Applied Track**
- **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 supporting information with his/her petition for this evaluation.**

### Acceptable Substitutes for Transfer Courses
- **Substitutes for common program prerequisites if taken prior to transferring to UCF:**
- **Computer Programming:** may use any programming language course with a COP prefix.
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:
  - 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
   - E.1. Physical Sciences
     Required  PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - E.2. Life & Earth Sciences: 3 hrs
     Select a listed course 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   - See Transfer Notes for possible substitutions of certain courses.
   - COP 3223 Introduction to Programming with C 3 hrs
   - MAC 2311 Calculus with Analytic Geometry I GEP
   - MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - MAP 2302 Differential Equations 3 hrs
   - PHY 2048C Physics for Engineers & Scientists I 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

4. Core Requirements: Advanced Level (42 hrs)
   - MGF 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

Select 1:
   - ENC 3241 Writing for the Technical Professional or 3 hrs
   - ENC 3310 Magazine Writing I or 3 hrs
   - ENC 3311 Advanced Expository Writing 3 hrs

5. Restricted Electives (3 hrs)
   - Biological or physical sciences electives 3 hrs
     - Note: Students must satisfy course prerequisites before enrolling in these courses.

Select one of the following courses:
   - PCB 3044 Principles of Ecology or 3 hrs
   - PCB 3063 Genetics or 3 hrs
   - PCB 4302C Physicochemical Limnology or 4 hrs
   - PCB 4303C Biological Limnology or 4 hrs
   - CHM 2046 Chemistry Fundamentals II or 3 hrs
   - CHM 2210 Organic Chemistry I or 3 hrs
   - PHY 3101 Physics for Engineers and Scientists III or 3 hrs
   - PHY 3323 Electricity and Magnetism I or 3 hrs
   - PHY 4424 Optics 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions

- None

8. Electives
   - Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of "C" (2.0) or better in each course required in the degree program.
    - Participate in an exit interview.
    - Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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
- Statistics
- Mathematics - Applied Track
- Mathematics - Mathematical Economics Track
- Computer Science
- Statistics
- Mathematics Education

Certificates
- None

Related Minors
- Computer Science
- Physics
- Statistics
- Economics
- Mathematics

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 Substitutions 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.
Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Mathematics Education (B.S.)

#### College of Education

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**

http://education.ucf.edu/mathed

Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

Dr. Erhan Haciomeroglu, ED 115L, erhansh@mail.ucf.edu, 407-823-4336

#### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

#### 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)**

Students are advised to take the preferred courses.

- **A: Communication Foundations** (9 hrs)
  - Required ENC 1101 Composition I 3 hrs
  - Required ENC 1102 Composition II 3 hrs
  - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

- **B: Cultural & Historical Foundations** (9 hrs)
  - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
  - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
  - Prefer PHI 2010 Introduction to Philosophy 3 hrs

- **C: Mathematical Foundations** (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)
  - Required POS 2041 American National Government 3 hrs
  - Required PSY 2012 General Psychology 3 hrs

- **E: Science Foundations** (6 hrs)
  - Required EDF 2130 Child and Adolescent Development for Educators 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** (14 hrs)

- Students should consult advisor regarding course options.
- Required ENC 2130 Introduction to Diversity for Educators 3 hrs
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs
- Required MAC 2312 Calculus with Analytic Geometry II 4 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.
6. Capstone Requirements

- Demonstrate proficiency in all 12 Florida Educator Accomplished Practices
- At the preprofessional level in accordance with State Board of Education

4. Core Requirements: Advanced Level (60 hrs)

Education Core Requirements (18 hrs)
- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL.

Specialization Requirements (23 hrs)
- A minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship I.
- A 2.0 UCF GPA
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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

Electives
- None

Additional Requirements
- None

Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in 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)

Freshman Year - Fall
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs

Sophomore Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MTH 3302 Logic and Proof in Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Note: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.
### UCF Degree Programs

#### Mechanical Engineering (B.S.M.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307

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

**E-mail:** mmaeugrad@mail.ucf.edu

Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137

Waheedah 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>Required</th>
<th>ENC 1101 Composition I</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>Prefer SPC 1603 Fundamentals of Technical Presentations or Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Suggested SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

2. **Core Requirements: Basic Level**

   **(2 hrs)**

   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

3. **Core Requirements: Advanced Level**

   **(63 hrs)**

   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3303C Mechanical Engineering Measurements</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4350C Machine Design and Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601 Solid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3701 Fluid Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4142 Heat Transfer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4220 Vibration Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4535C CAD/CAM</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Energy Systems Option
- EML 3101 Thermodynamics of Mechanical Systems (3 hrs)
- EML 4304C Design of Thermo-Fluid Experiment and Mechanical Systems Experimental Techniques (2 hrs)
- EML 4703 Fluid Mechanics II and Mechanical Systems Experimental Techniques (3 hrs)
- EML 4145 Topics in Heat Transfer and Mechanical Systems Experimental Techniques (2 hrs)
- EML 4221C Mechanical Systems Experimental Techniques (2 hrs)

Total Semester Hours Required: 21 hrs

Mechanical Systems Option
- EML 4304C Design of Thermo-Fluid Experiment and Mechanical Systems Experimental Techniques (2 hrs)
- EML 3262 Kinematics of Mechanics and Materials and Advanced Kinematics of Machines (3 hrs)
- EGM 3601L Solid Mechanics Lab and Experimental Mechanics (2 hrs)
- EML 4221C Mechanical Systems Experimental Techniques and Advanced Mechanical Systems Experimental Techniques (2 hrs)

Total Semester Hours Required: 11 hrs

Materials Option
- EMA 3012C Experimental Techniques in Mechanics and Materials and Advanced Experimental Techniques in Mechanics and Materials (3 hrs)
- EMA 4102 Thermodynamics and Kinetics of Materials and Advanced Thermodynamics of Materials (3 hrs)
- EMA 3124 Design and Selection of Materials and Advanced Design and Selection of Materials and Advanced Materials Engineering (3 hrs)
- EMA 4223 Fundamentals of Mechanical Behavior of Materials and Advanced Materials Behavior (3 hrs)

Total Semester Hours Required: 12 hrs

5. Restricted Electives
- Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered. http://mmea.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.
- Select 1: EML 4501C Engineering Design I or EGN 4412C Interdisciplinary Design I (3 hrs)
- Select 1: EML 4502C Engineering Design II or 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/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.

Advising I
- EML 3990 Mechanical Career and Academic Faculty 0 hrs
- EML 4991 Mechanical Career and Academic Faculty 0 hrs

Advising II
- 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 1440 Fundamentals of Chemistry for Engineers 4 hrs
- CHM 2045C Chemistry Fundamentals I or 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-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

**Sophomore Year - Spring**
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3601 Solid Mechanics 3 hrs
- EGN 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

**Graduation Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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
### UCF Degree Programs

#### Burnett School of Biomedical Sciences

**College of Medicine**

**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

**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.
- Acceptance to UCF does not necessarily constitute acceptance to the magnitude.
- 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.
- 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.

**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

### Medical Laboratory Sciences (B.S.)

#### College of Medicine

**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

**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.
- Acceptance to UCF does not necessarily constitute acceptance to the magnitude.
- 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.
- 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.
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) 3 hrs
- **STA 2023** Statistical Methods I (GEP) 3 hrs
- **1 ZOO** Human Anatomy 4 hrs
- **3733C** 1 MCB General Microbiology 5 hrs
- **3020C** 1 PCB 3703C Human Physiology 4 hrs

Take all of the following: 4 hrs
- **CHM 2045C** Chemistry Fundamentals I 3 hrs
- **CHM 2211** Organic Chemistry II and 3 hrs
- **CHM 2211L** Organic Laboratory Techniques I 2 hrs

Take all of the following: 8 hrs
- **CHM 2210** Organic Chemistry I and 3 hrs
- **CHM 2211** Organic Chemistry II and 3 hrs
- **CHM 2211L** Organic Laboratory Techniques I 2 hrs

1. See Transfer Notes

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (64 hrs)
- **MLS 3220C** Techniques in Clinical Microscopy 3 hrs
- **MLS 4625** Advanced Clinical Chemistry I 3 hrs
- **MLS 4630** Advanced Clinical Chemistry II 3 hrs
- **PCB 3233** Immunology 3 hrs
- **MLS 4430C** Clinical Parasitology 2 hrs
- **MLS 3305** Hematology 3 hrs
- **MLS 4505C** Immunodiagnostics 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 4630C** Interpretive & Clinical Chemistry 4 hrs
- **MLS 4831C** Interpretive & Clinical Immunohematology 4 hrs
- **MLS 4832C** Interpretive & Clinical 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

48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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
- Biomedical Sciences
- Biology
- Chemistry

Certificates
- None

Related Minors
- Biomedical Sciences
- Biology
- Chemistry

Advising Notes
- None

Transfer Notes
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses
- Human Anatomy and Physiology I and II (BSC 2093/BSC 2094) 8 hrs
- MCB 3020C General Microbiology 5 hrs
- may be substituted with: MCB 2010C

Plan of Study

Freshman Year - Fall
- **16 hrs**
  - **ENC 1101** Composition I 3 hrs
  - **MAC 1105C** College Algebra 3 hrs
  - **SFC 1060** Fundamentals of Oral Communication 3 hrs
  - **CHM 2210** Organic Chemistry I 3 hrs
  - **PSY 2012** General Psychology 3 hrs

Sophomore Year - Fall
- **16 hrs**
  - **CHM 2211** Organic Chemistry II 3 hrs
  - **ZOO 3733C** Human Anatomy 4 hrs

Select 1:
- **3 hrs**
  - **ANT 2000** General Anthropology or 3 hrs
  - **SYG 2000** Introduction to Sociology or 3 hrs
  - **PSY 2012** General Psychology 3 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**
    - **ELUH 2000** Western Civilization I or 3 hrs
    - **HUM 2210** Humanistic Tradition I or 3 hrs
    - **AMH 2010** U.S. History: 1492-1877 3 hrs

Select 1:
- **3 hrs**
  - **MUL 2010** Enjoyment of Music or 3 hrs
  - **THE 2000** Theatre Survey or 3 hrs
  - **REL 2300** World Religions or 3 hrs
  - **PHI 2010** Introduction to Philosophy 3 hrs

Sophomore Year - Spring
- **17 hrs**
  - **CHM 2211L** Organic Laboratory Techniques I 2 hrs
  - **MCB 3020C** General Microbiology 5 hrs
  - **PCB 3703C** Human Physiology 4 hrs
Junior Year - Fall  
- MLL 4434C: Advanced Clinical Chemistry I 3 hrs
- MLL 4435C: Advanced Clinical Chemistry II 3 hrs
- MLL 4436C: Advanced Clinical Pathology 4 hrs
- MLL 4437C: Advanced Clinical Microbiology 4 hrs

Junior Year - Spring  
- MLL 4438C: Advanced Clinical Microbiology 4 hrs
- MLL 4439C: Advanced Clinical Pathology 4 hrs
- MLL 4440C: Advanced Clinical Parasitology 2 hrs
- MLL 4441C: Advanced Clinical Laboratory 2 hrs
- MLL 4442C: Advanced Clinical Microbiology 4 hrs

Senior Year - Fall  
- MLL 4443C: Advanced Clinical Chemistry I 3 hrs
- MLL 4444C: Advanced Clinical Chemistry II 3 hrs
- MLL 4445C: Advanced Clinical Pathology 4 hrs
- MLL 4446C: Advanced Clinical Microbiology 4 hrs

Senior Year - Spring  
- MLL 4447C: Advanced Clinical Chemistry I 3 hrs
- MLL 4448C: Advanced Clinical Chemistry II 3 hrs
- MLL 4449C: Advanced Clinical Pathology 4 hrs
- MLL 4450C: Advanced Clinical Microbiology 4 hrs

Junior Year - Summer  
- MLL 4451C: Advanced Clinical Chemistry I 3 hrs
- MLL 4452C: Advanced Clinical Chemistry II 3 hrs
- MLL 4453C: Advanced Clinical Pathology 4 hrs
- MLL 4454C: Advanced Clinical Microbiology 4 hrs

Equipment Fees  
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Modern Language Combination (B.A.)  
College of Arts and Humanities  
Department of Modern Languages and Literatures,  
Colbourn Hall, Room: 523
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.
### UCF Degree Programs

#### Freshman Year - Fall  
16 hrs

<table>
<thead>
<tr>
<th>1 Core Course</th>
<th>3 hrs</th>
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<tbody>
<tr>
<td>2 Core Course</td>
<td>3 hrs</td>
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<tr>
<td>3 Restricted Elective</td>
<td>3 hrs</td>
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</tbody>
</table>

#### 2 Core Courses  
3 hrs

<table>
<thead>
<tr>
<th>1 Core Course</th>
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#### 3 Core Courses  
3 hrs

<table>
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<tr>
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### Sophomore Year - Fall  
16 hrs

<table>
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<tr>
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#### 3 Core Courses  
3 hrs

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#### 4 Core Courses  
3 hrs

<table>
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<tbody>
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<td>3 hrs</td>
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<tr>
<td>2 Restricted Elective</td>
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### Senior Year - Fall  
15 hrs

<table>
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<th>1 Core Course</th>
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<tbody>
<tr>
<td>2 Core Course</td>
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#### 3 Core Courses  
3 hrs

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#### 4 Core Courses  
3 hrs

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<td>2 Restricted Elective</td>
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### University of Central Florida

254  Undergraduate Catalog 2011-2012
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.
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major
- Students should consult with a departmental advisor for course selections

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

UCAST (Academic Learning Compact) Program Academic Learning Compacts at UCF
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Music Major Academic Learning Compact
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Advising Notes
- No restrictions

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

   (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)
   MUT 1010 Music Forum 0 hrs
   MUL 2014 Introduction to Music History and Literature 3 hrs
   MUS 2360C Introduction to Music Technology 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   MUH 3211 Music History and Literature I 3 hrs
   MUH 3212 Music History and Literature II GEP

5. Restricted Electives-Music (15 hrs)
   Restricted Electives-Music
   - Choose from any MUX XXXXX or MUXX (No more than 6 of these credits can be taken as MUN courses.)
   - Choose one MUX 3XXX or MUX 4XXX course

   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 (33 hrs)
   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

Undergraduate Catalog 2011-2012
UNIVERSITY OF CENTRAL FLORIDA
Plan of Study
- Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and 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**
- 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

**Sophomore Year - Fall**
- 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

1 (GEP A.3.)

**Sophomore Year - Spring**
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MVK 2121 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- MGF 1106 Finite Mathematics 3 hrs
- MUN XXXX Ensemble 1 hr
- XXX 1121 Foreign Language 4 hrs

**Junior Year - Fall**
- MUH 3211 Music History and Literature I 3 hrs
- GEP B.2. Cultural & Historical Foundation 3 hrs
- MUT 3/4XXX Music Restricted Elective 3 hrs
- 3XXX 3/4XXX Non-Music Restricted Elective 3 hrs

**Junior Year - Spring**
- 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**
- GEP D.1. Social Foundation 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- GEP E.2. Science Foundation 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

**Senior Year - Spring**
- MUS 4900 Music BA Capstone Project 3 hrs
- GEP D.2. Social Foundation 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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**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/admissions Audition.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
  - 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)**

**A: Communication Foundations (9 hrs)**
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**Take all of the following:**
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**
- Required MUL 2016 Evolution of Jazz 3 hrs
- Select one course from 1.B.1 list 3 hrs
- Select one course from 1.B.2 list 3 hrs

**C: Mathematical Foundations (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) (24 hrs)**
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
MUT 2127  Music Theory and Musicianship IV  4 hrs
1 MUN 3713  Jazz Lab  1 hr
MVK 1111  Class Piano I  1 hr
MVK 1112  Class Piano II  1 hr
MVK 2121  Class Piano III  1 hr
MVK 2122  Class Piano IV  1 hr
1 Four semesters for total 4 hrs

3. Core Requirements: Basic Level  (6 hrs)
MUL 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  GEP
1

4. Core Requirements: Advanced Level  (27 hrs)
MUT 3170  Jazz Theory I  3 hrs
MUT 3171  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 4854  Recital Performance II  0 hrs
Select 1:  3 hrs
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  15 hrs
MVB 1411  Trumpet I and  2 hrs
MVB 2421  Trumpet II and  2 hrs
MVB 3431  Trumpet III and  2 hrs
MVB 4441  Trumpet IV and  4 hrs
Restricted Electives  5 hrs

Trombone  15 hrs
MVB 1413  Trombone I and  2 hrs
MVB 2423  Trombone II and  2 hrs
MVB 3433  Trombone III and  2 hrs
MVB 4443  Trombone IV and  4 hrs
Restricted Electives  5 hrs

Saxophone  15 hrs
MVW 1415  Saxophone I and  2 hrs
MVW 2425  Saxophone II and  2 hrs
MVW 3435  Saxophone III and  2 hrs
MVW 4445  Saxophone IV and  4 hrs
Restricted Electives  5 hrs

Jazz Piano  15 hrs
MVJ 1010  Jazz Piano I and  2 hrs
MVJ 2220  Jazz Piano II and  2 hrs
MVJ 3230  Jazz Piano III and  3 hrs
MVJ 4240  Jazz Piano IV and  4 hrs
MVK 1211  Secondary Piano and  1 hr
Restricted Electives  3 hrs

Jazz Bass  15 hrs
MVJ 1214  Jazz Bass I and  2 hrs
MVJ 2224  Jazz Bass II and  2 hrs
MVJ 3234  Jazz Bass III and  3 hrs
MVJ 4244  Jazz Bass IV and  4 hrs
MVS 1214  Secondary Bass and  1 hr
Restricted Electives  3 hrs

Jazz Guitar  15 hrs
MVJ 1213  Jazz Guitar I and  2 hrs
MVJ 2223  Jazz Guitar II and  2 hrs
MVJ 3233  Jazz Guitar III and  3 hrs
MVJ 4243  Jazz Guitar IV and  4 hrs
MVS 1216  Secondary Guitar and  1 hr
Restricted Electives  3 hrs

Jazz Drum Set  15 hrs
MVJ 1219  Jazz Drum Set I and  2 hrs
MVJ 2229  Jazz Drum Set II and  2 hrs
MVJ 3339  Jazz Drum Set III and  3 hrs
MVJ 4349  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 or
- Any MUC, MUE, MUG, MUH, MUL, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements
- 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

Hons 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
MUK 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

UNIVERSITY OF CENTRAL FLORIDA
# UCF Degree Programs

<table>
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<tr>
<th>Year</th>
<th>Fall Credit Hours</th>
<th>Spring Credit Hours</th>
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<tr>
<td>Senior</td>
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### Freshman Year - Fall
- MUN 3713 Jazz Lab: 1 hr
- MVK 1112 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUL 2016 Evolution of Jazz: 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
- MUS 3713 Jazz Lab: 1 hr
- MVK 2121 Class Piano II: 1 hr
- MUS 3170 Music Forum: 0 hrs
- MUS 2360C Introduction to Music Technology: 3 hrs
- MVX 242X Performance II: 2 hrs

### Sophomore Year - Spring
- MUT 2127 Music Theory and Musicianship IV: 4 hrs
- MUN 3713 Jazz Lab: 1 hr
- MVK 2122 Class Piano IV: 1 hr
- MUS 3171 Jazz Theory II: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- Cultural & Historical Foundation: 3 hrs
- MVX 242X Performance II: 2 hrs

### Junior Year - Fall
- MUS 1010 Music Forum: 0 hrs
- MUL 2016 Evolution of Jazz: 3 hrs
- MVX 1XXX Performance I: 2 hrs
- MUL 2016 Evolution of Jazz: 3 hrs
- MVX 1XXX Performance I: 2 hrs

### Junior Year - Spring
- STA 1060C Basic Statistics Using Microsoft Excel: 3 hrs
- MUH 3211 Music History and Literature I: 3 hrs
- MUT 3923 Jazz Workshop: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 3953 Recital Performance I: 0 hrs
- MVX 3XXX Performance III: 3 hrs
- Science Foundation: 3 hrs
- MVX 3XXX Performance III: 3 hrs

### Senior Year - Fall
- MUH 3211 Music History and Literature I: 3 hrs
- MUT 3923 Jazz Workshop: 3 hrs
- MUS 4320 Music Business and Industry: 3 hrs
- MUS 4954 Recital Performance II: 0 hrs
- MVX 4XXX Performance IV: 4 hrs
- GEP D.2 Social Foundation: 3 hrs
- MVX 4XXX Performance IV: 4 hrs

### Senior Year - Spring
- MUS 1010 Music Forum: 0 hrs
- MUT 3923 Jazz Workshop: 3 hrs
- MUS 4320 Music Business and Industry: 3 hrs
- MUS 4954 Recital Performance II: 0 hrs
- MVX 4XXX Performance IV: 4 hrs
- GEP D.2 Social Foundation: 3 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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**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 2250C, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a prerequisite for Composition level III.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 60 hours of credit must be earned in music courses.
- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music department.
- Composition students must present one faculty-approved public recital.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

1. UCF General Education Program (GEP) (36 hrs)
   - (see General Education program for detailed information)

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required 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 1060C Basic Statistics Using Microsoft Excel 3 hrs
   1 (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   MUS 1121 Music Theory and Musicianship I 4 hrs
   MUS 1221 Music Theory and Musicianship II 4 hrs
   MUS 2126 Music Theory and Musicianship III 4 hrs
   MUS 2127 Music Theory and Musicianship IV 4 hrs
   MVK 1111 Class Piano I 1 hr
   MVK 1112 Class Piano II 1 hr
   MVK 2121 Class Piano III 1 hr
   MVK 2122 Class Piano IV 1 hr
   MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3483 4 hrs
   MUX 141X Performance I (two semesters) 3 hrs
   MUX 242X Performance II (two semesters) 3 hrs

3. Core Requirements: Basic Level (20 hrs)
   - MUL 2044 Introduction to Music History and Literature 3 hrs
   - MUS 2250C Introduction to Music Technology 3 hrs
   - MUK 1101C Composition I 2 hrs
   - MUK 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
   - MUK 3571 Analysis of Twentieth-Century Music 3 hrs
   - MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483) 2 hrs

4. Core Requirements: Advanced Level (23 hrs)
   - MUC 3105C Composition III 3 hrs
   - MUC 4106C Composition IV 4 hrs
   - MUK 4401 Counterpoint 3 hrs
   - MUC 4311 Orchestration 3 hrs
   - MUC 4950 Composition Recital 0 hrs
   - One course selected from MUC/MUH/MUS/MUT, 3000 level or above
   1 Two semesters for total 6 hrs
   2 Two semesters for total 8 hrs

5. Restricted Electives (9 hrs)
   - Any secondary performance course not in area of major instrument, or
   - Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

Special Non-Course Requirements: Major Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is made by the Ensemble Directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Special Non-Course Requirements: Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

8. Electives
   - Select primarily from upper-level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - 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 Education
- Music
- Theatre
UCF Degree Programs

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 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1122 Music Theory and Musicianship I 4 hrs
MVK 2121 Class Piano I 1 hr
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensemble 1 hr
MVX 141X Performance I 2 hrs

Sophomore Year - Fall 16 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVK 1112 Class Piano II 1 hr
MUS 2360C Introduction to Music Technology 3 hrs
MUS 1010 Music Forum 0 hrs
MVX 141X Performance I 1 hr
MUN XXXX Major Ensemble 1 hr
Science Foundation 3 hrs

Sophomore Year - Spring 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2128 Music Theory and Musicianship III 4 hrs
MVK 1112 Class Piano II 1 hr
MUC 1101C Composition I 2 hrs
MUS 3104 Basic Conducting 2 hrs
MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensemble 1 hr
MVX 242X Performance II 2 hrs

Junior Year - Fall 16 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVX 2122 Class Piano IV 1 hr
MUC 2104C Composition II 2 hrs
MGF 1106 Finite Mathematics 3 hrs
MUS 1010 Music Forum 0 hrs
Cultural/Historical Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr
MVX 242X Performance II 2 hrs
(1) GEP C.1.

Junior Year - Spring 16 hrs
MHC 3211 Music History and Literature I 3 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUC 3105C Composition III 3 hrs
MUS 1010 Music Forum 0 hrs
MUP 3/4XXX Restricted Electives 3 hrs
Cultural/Historical Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr
MVX 3/4XXX Restricted Electives 3 hrs
(1) GEP C.2.
(2) GEP

Senior Year - Fall 13 hrs
MUC 4106C Composition IV 4 hrs
MUT 4401 Counterpoint 3 hrs
MUS 1010 Music Forum 0 hrs
Science Foundation 3 hrs
MUP 3/4XXX Restricted Electives 3 hrs

Senior Year - Spring 13 hrs
MUC 4106C Composition IV 4 hrs
MUT 4401 Counterpoint 3 hrs
MUS 1010 Music Forum 0 hrs
MUC 4950 Composition Recital 0 hrs
Social Foundation 3 hrs
MUP 3/4XXX Restricted Electives 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Music Performance Track (B.M.)
College of Arts and Humanities
Department of Music, Performing Arts Center,
Room: M203
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements
Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will follow:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Performance level III.
- Completion of the following courses:
  - MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs

Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- 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
- Communication 3 hrs
- Take all of the following:
  - Required ENC 1101 Composition I and 3 hrs
  - Required ENC 1102 Composition II 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
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
Prefer STA 1080C Basic Statistics Using Microsoft Excel 3 hrs

1) (May substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundation (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)
- E: Science Foundations (6 hrs)
  D: Social Foundations (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  MUN 1121 Music Theory and Musicianship I 4 hrs
  MUT 4111 Music Theory and Musicianship II 4 hrs
  MUN 2126 Music Theory and Musicianship III 4 hrs
  MUN 2127 Music Theory and Musicianship IV 4 hrs
  MVK 1111 Class Piano I 1 hr
  MVK 1112 Class Piano II 1 hr
  MVK 2121 Class Piano III 1 hr
  MVK 2122 Class Piano IV 1 hr
  MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3401; guitar students take MUN 3487; vocal students take MUN 3453; piano students take MUN 3411; and vocal students take MUN 3457.
  MVX 1411X Performance I (2 semesters) 4 hrs
  MVX 2424X Performance II (2 semesters) 4 hrs

3. Core Requirements: Basic Level (6 hrs)
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUS 1010 Music Forum 0 hrs

4. Core Requirements: Advanced Level (24 hrs)
- MUS 3953 Recital Performance I 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II 2 hrs
- MUT 343X Performance IV (2 Semesters) 8 hrs
- MUN XXXX Major Ensemble (Piano students take MUN 3401; guitar students take MUN 3487; vocal students take MUN 3453; piano students take MUN 3411; and vocal students take MUN 3457). String literature and pedagogy.
  MVX 343X Performance IV (2 Semesters) 8 hrs
  MVX 344X Performance V (2 Semesters) 8 hrs
  MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3487; vocal students take MUN 3457; and piano students take MUN 3411.
  MVX 1411X Performance I (2 semesters) 4 hrs
  MVX 2424X Performance II (2 semesters) 4 hrs

Specialty Requirements (Choose One:)
- Piano 22 hrs
  MUL 3400 Piano Literature I and 2 hrs
  MUL 3401 Piano Literature II and 2 hrs
  MVK 4640 Piano Pedagogy and 2 hrs
  MUN 3453 Piano Ensemble and 1 hr
  MUN 3457 Piano Ensemble and 1 hr
  Restricted Electives and 9 hrs
  Electives 5 hrs

- Guitar 22 hrs
  MUL 4437 String Literature and Pedagogy and 3 hrs
  MUN 3487 Guitar Ensemble and 1 hr
  MUN 3467 Guitar Ensemble and 1 hr
  Restricted Electives and 12 hrs
  Electives 5 hrs

- Voice 22 hrs
  MUS 1250 IPA for Singers and 1 hr
  MUS 3255 German and English Lyric Diction and 2 hrs
  MUS 3254 Italian and French Lyric Diction and 2 hrs
  MVK 4640 Piano Pedagogy and 2 hrs
  MUL 3620 Song Literature and 3 hrs
  MUN XXXX Major Ensembles and 2 hrs
  MUN XXXX Minor Ensembles and 2 hrs
  Foreign Language (French, German, or Italian) 8 hrs

- Woodwinds 22 hrs
  MUL 4444 Woodwind Literature and Pedagogy and 3 hrs
  MUN XXXX Major Ensembles and 2 hrs
  MUN XXXX Minor Ensembles and 4 hrs
  Restricted Electives and 8 hrs
  Electives 5 hrs

- Brass 22 hrs
  MUL 4443 Brass Literature and Pedagogy and 3 hrs
  MUN XXXX Major Ensembles and 2 hrs
  MUN XXXX Minor Ensembles and 4 hrs
  Restricted Electives and 8 hrs
  Electives 5 hrs

Restricted Electives and 8 hrs
Electives 5 hrs

1) This course is taken twice.
11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by the following course, or departmental examination:
  MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in-residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major
None
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<th>Term</th>
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<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
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<td></td>
<td></td>
<td>MUS 3435 Piano Ensemble</td>
<td>1 hr</td>
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<td>MUS 4954 Recital Performance II</td>
<td>0 hrs</td>
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<td>MUS 3487 Guitar Ensemble</td>
<td>1 hr</td>
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<td></td>
<td></td>
<td>Social Foundation</td>
<td>3 hrs</td>
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<td>Spring</td>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
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<tr>
<td></td>
<td></td>
<td>MUS 4954 Recital Performance II</td>
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<td>MUS 3487 Guitar Ensemble</td>
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<td>Social Foundation</td>
<td>3 hrs</td>
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<td></td>
<td>MUS 34XXX Restricted Electives</td>
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<tr>
<td></td>
<td></td>
<td>Free Elective</td>
<td>3 hrs</td>
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</table>

Program C: Piano

- **Freshman Year - Fall**: ENC 1101 Composition I (3 hrs), MUN 3435 Piano Ensemble (1 hr), VK 1411 Piano I (2 hrs), Science Foundation (3 hrs)
- **Sophomore Year - Fall**: SPC 1608 Fundamentals of Oral Communication (3 hrs), MUN 2126 Music Theory and Musicism III (4 hrs), MUS 3487 Guitar Ensemble (1 hr), MUS 2305C Introduction to Music Technology (3 hrs), MVK 2421 Piano II (2 hrs)
- **Junior Year - Fall**: MUH 3211 Music History and Literature I (3 hrs), MUL 3400 Piano Literature I (2 hrs), MUS 1010 Music Forum (0 hrs), MUS 3435 Piano Ensemble (1 hr), MUS 3953 Recital Performance I (0 hrs), MVK 3431 Piano III (2 hrs), MUS 34XXX Restricted Electives (6 hrs)

Program D: Guitar

- **Freshman Year - Fall**: ENC 1101 Composition I (3 hrs), MUN 3487 Guitar Ensemble (1 hr), MUS 2305C Introduction to Music Technology (3 hrs), Science Foundation (3 hrs)
- **Sophomore Year - Fall**: SPC 1608 Fundamentals of Oral Communication (3 hrs), MUN 2126 Music Theory and Musicism III (4 hrs), MUS 3487 Guitar Ensemble (1 hr), MUS 2305C Introduction to Music Technology (3 hrs), MUS 34XXX Restricted Electives (3 hrs)
- **Junior Year - Fall**: MUH 3211 Music History and Literature I (3 hrs), MVS 3436 Guitar III (2 hrs), MUS 1010 Music Forum (0 hrs), MUS 3487 Guitar Ensemble (1 hr), MUS 4571 Analysis of Twentieth-Century Music (3 hrs), MUS 4346 Guitar IV (4 hrs), MUS 34XXX Restricted Electives (3 hrs)

University of Central Florida

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Program E: Voice

Freshman Year - Fall  
15 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MUS 1260 IPA for Singers 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
MVV 1411 Voice I 2 hrs
MUN XXXX Major Ensemble 1 hr

Freshman Year - Spring  
16 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUS 3255 German and English Lyric Diction 2 hrs
MVK 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  
15 hrs
MGF 1106 Finite Mathematics 3 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUS 3254 Italian and French Lyric Diction 2 hrs
MVV 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  
17 hrs
MUT 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
MUS 3953 Recital Performance I 0 hrs
MVV 3431 Voice III 2 hrs
MVV 2121 Foreign Language 4 hrs
MUN XXXX Major Ensemble 1 hr
MUN XXXX Minor Ensemble 1 hr

Junior Year - Fall  
15 hrs
MUH 3211 Music History and Literature I 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
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  
15 hrs
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
MUS 3954 Recital Performance II 0 hrs
MVV 4441 Voice IV 4 hrs
MVV 2121 Foreign Language 4 hrs
MUN XXXX Major Ensemble 1 hr
MUN XXXX Minor Ensemble 1 hr

Senior Year - Fall  
13 hrs
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  
14 hrs
MUL 3002 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.oecs.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
http://www.music.cah.ucf.edu
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 in to Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.
- The audition will serve as a placement exam for accepted candidates.
- Refer to the UCF Music Department website for specific audition requirements.

Admission Requirements - Professional Program
- Application into the Professional Program must be made at the conclusion of 45 hours of coursework. 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).
- Refer to the UCF Music Department website for specific audition requirements.

Program courses unless all requirements for admission are satisfied.

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)
   - Prior EDC 1000 Communication
   - Prior EDC 1001 Comprehension

Take all of the following: 6 hrs
   - Required ENC 1101 Composition I
   - Required ENC 1102 Composition II

B: Cultural & Historical Foundations (9 hrs)
   - Required MUH 3212 Music History and Literature II
   - Required MUH 3210 U.S. History: 1492-1877
   - Required MUH 2250 U.S. History: 1877-Present

C: Mathematical Foundations (6 hrs)
   - Prior MGF 1106 Finite Mathematics
   - Prior STA 1000C Basic Statistics Using Microsoft Excel

D: Social Foundations (6 hrs)
   - Prior POS 2041 American National Government
   - Prior PSY 2012 General Psychology

E: Science Foundations (6 hrs)
   - Prior 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 Musician I 4 hrs
   - MUT 1122 Music Theory and Musician II 4 hrs
   - MUT 2121 Music Theory and Musician III 4 hrs
   - MVK 2122 Class Piano IV 1 hr
   - MUS 1010 Music Forum 0 hrs
   - MUN XXXX Major Ensembles (4 semesters) 4 hrs
   - MVX 241X Performance I (2 semesters) 4 hrs
   - MVX 242X Performance II (2 semesters) 4 hrs

3. Core Requirements: Basic Level (5 hrs)
   - MUS 1010 Music Forum CPP
   - MUT 1121 Music Theory and Musician I CPP
   - MUT 2126 Music Theory and Musician III CPP
   - MVK 2122 Class Piano IV CPP
   - MUN XXXX Major Ensembles (4 semesters) CPP
   - MVX 241X Performance I (2 semesters) CPP
   - MVX 242X Performance II (2 semesters) CPP

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 3 hrs
   - ESE 3940 Internship I - Secondary 3 hrs
   - MUE 3411 Elementary School Music Methods and Materials 2 hrs
   - MUE 3333 Music Learning Theory and Assessment 3 hrs
   - MVX 343X Performance III (2 Semesters) 4 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
   - MUE 4441 String Methods

Select 5: 5 hrs
   - MUE 2450 Woodwind Techniques I or 1 hr
   - MUE 3451 Woodwind Techniques II or 1 hr
   - MUE 2460 Brass Techniques or 1 hr
   - MUE 3461 Brass Techniques II or 1 hr
   - MUE 2470 Percussion Techniques or 1 hr
   - MUE 2471 Percussion Techniques II or 1 hr
   - MUE 3461 Brass Techniques II 1 hr

Program B - Choral
   - MUS 1250 IPA for Singers 1 hr
   - MUG 3302 Choral Conducting and Materials 1 hr
   - MVV 2460 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 1 hr
   - MUE 3451 Woodwind Techniques II or 1 hr
   - MUE 2460 Brass Techniques or 1 hr
   - MUE 3461 Brass Techniques II or 1 hr
   - MUE 2470 Percussion Techniques or 1 hr
   - MUE 2471 Percussion Techniques II or 1 hr
   - MUE 2440 String Techniques 1 hr

Program C - Elementary School
   - MUE 2346 Vocal Techniques 1 hr
   - MUE 4393 Music and Students with Special Needs 2 hrs
   - MUE 3353 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 1 hr
   - MUE 3451 Woodwind Techniques II or 1 hr
   - MUE 2460 Brass Techniques or 1 hr
   - MUE 3461 Brass Techniques II or 1 hr
   - MUE 2470 Percussion Techniques or 1 hr
   - MUE 2471 Percussion Techniques II or 1 hr
   - MUE 2440 String Techniques 1 hr
   - MUG 3302 Choral or Instrumental Conducting and Materials 2 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

Admissions
   - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
- None

8. Electives
- None

9. Additional Requirements
Admission to Internship I will be granted to students who meet the following requirements:
- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a "C" or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 4394) and Internship II (ESE 4943).
- Possess minimum professional preparation GPA of 2.5.
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:
- Completion of all admission requirements for Internship I (see above).
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
- Completion of all music methods and techniques courses.
- Completion of all General Education and Common Program courses.
- Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements
- Note: Contact the Music Education Advisor for details.
- 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 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
- Music
- Theatre

Certificates
- Florida Teaching Certification: Music K-12

Related Minors
- Music
- Theatre

Advising Notes
- Consult with the music education advisor for course selection

Transfer Notes
- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- Courses transferred to community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
**NOTE:** Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- Take General Knowledge Test after spring semester of Freshman Year.
- Apply for Professional Program after spring semester of Sophomore year.
- Take PET and Music Examination of FTCE after fall semester of Senior year.
- As indicated in the Plan of Study, all 3 remaining GEP classes will be taken during the summer semester of the Senior year.

**Program A - Instrumental Program K-12:**

**Freshman Year - Fall**
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUT 1121 Music Theory and Musicship I 4 hrs
- MVK 1112 Class Piano I 1 hr
- MUE 2346 Vocal Techniques 1 hr
- MUS 1010 Music Forum 0 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools GEP 3 hrs

**Freshman Year - Spring**
- Take General Knowledge Test
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVK 2121 Class Piano III 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- GEP 3 hrs
- MUE 4441 String Methods 3 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUK 2122 Class Piano IV 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools GEP 3 hrs

**Sophomore Year - Fall**
- MUT 2126 Music Theory and Musicship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUJ 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE 4335 Secondary Choral Methods II 3 hrs
- MUE XXXX Techniques 1 hr
- MUE XXXX Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools GEP 3 hrs

**Sophomore Year - Spring**
- Apply for Professional Program
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUT 2126 Music Theory and Musicship IV 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE 4335 Secondary Choral Methods II 3 hrs
- MUE XXXX Techniques 1 hr
- MUE XXXX Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools GEP 3 hrs

**Junior Year - Fall**
- MUG 3302 Instrumental Conducting and Materials 1 hr
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUE 4335 Secondary Choral Methods II or MUE 4441 String Methods 3 hrs
- GEP 3 hrs
- MVX 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools CMENC

**Senior Year - Fall**
- Take PET and Music Examination of FTCE
- ESE 3940 Internship I - Secondary 3 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ENSOL 3 hrs
- Students in Schools
- MUE 4311 Elementary School Music Methods 2 hrs
- GEP CMENC
- GEP CMENC

**Senior Year - Spring**
- ESE 4943 Internship II - Secondary 7 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

**Program B - Choral Program K-12**

**Freshman Year - Fall**
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUT 1121 Music Theory and Musicship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1250 IPA for Singers 1 hr
- MUS 1010 Music Forum 0 hrs
- GEP 3 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools GEP 3 hrs

**Freshman Year - Spring**
- Take General Knowledge Test
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVK 2121 Class Piano III 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ENSOL 3 hrs
- Students in Schools
- MUE 4311 Elementary School Music Methods 2 hrs
- GEP CMENC
- GEP CMENC

**Sophomore Year - Fall**
- MUT 2126 Music Theory and Musicship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE 4311 Elementary School Music Methods 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools GEP 3 hrs

**Sophomore Year - Spring**
- Apply for Professional Program
- MUT 1010 Music Forum 0 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUT 2126 Music Theory and Musicship IV 4 hrs
- MVK 2121 Class Piano IV 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE 4311 Elementary School Music Methods 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools GEP 3 hrs

**Junior Year - Spring**
- MUG 3302 Instrumental Conducting and Materials 1 hr
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUE 4335 Secondary Choral Methods II or MUE 4441 String Methods 3 hrs
- GEP 3 hrs
- MVX 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools CMENC

**Senior Year - Fall**
- Take PET and Music Examination of FTCE
- ESE 3940 Internship I - Secondary 3 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ENSOL 3 hrs
- Students in Schools
- MUE 4311 Elementary School Music Methods 2 hrs
- GEP CMENC
- GEP CMENC

**Senior Year - Summer**
- ESE 4943 Internship II - Secondary 7 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

**Program B - Choral Program K-12**

**Freshman Year - Fall**
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUT 1121 Music Theory and Musicship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1250 IPA for Singers 1 hr
- MUS 1010 Music Forum 0 hrs
- GEP 3 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools GEP 3 hrs

**Freshman Year - Spring**
- Take General Knowledge Test
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVK 2121 Class Piano III 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ENSOL 3 hrs
- Students in Schools
- MUE 4311 Elementary School Music Methods 2 hrs
- GEP CMENC
- GEP CMENC

**Sophomore Year - Fall**
- MUT 2126 Music Theory and Musicship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE 4311 Elementary School Music Methods 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools GEP 3 hrs

**Sophomore Year - Spring**
- Apply for Professional Program
- MUT 1010 Music Forum 0 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUT 2126 Music Theory and Musicship IV 4 hrs
- MVK 2121 Class Piano IV 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE 4311 Elementary School Music Methods 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools GEP 3 hrs

**Junior Year - Spring**
- MUG 3302 Instrumental Conducting and Materials 1 hr
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUE 4335 Secondary Choral Methods II or MUE 4441 String Methods 3 hrs
- GEP 3 hrs
- MVX 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools GEP 3 hrs
- CMENC/Schools CMENC
### UCF Degree Programs

#### 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
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- **MNV 4640** Voice Pedagogy 2 hrs
- **MVX 343X** Performance III 2 hrs
- **MUN XXXX** Ensemble 1 hr

<table>
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#### Junior Year - Spring
- **MUS 1010** Music Forum 0 hrs
- **MUG 3202** Choral Conducting and Materials 1 hr
- **MUE 4337** Secondary Instrumental Methods II 3 hrs
- **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
- **EME 2040** Introduction to Technology for Educators 3 hrs
- **MUS 3953** Recital Performance I 0 hrs
- **MUE 4335** Secondary Choral Methods II 3 hrs
- **MUE XXXX** Techniques 1 hr
- **MVX 343X** Performance III 2 hrs
- **MUN XXXX** Ensemble 1 hr

<table>
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#### Senior Year - Fall
- **Take PET and Music Examination of FTCE**
- **ESE 3940** Internship I - Secondary 3 hrs
- **MUE 3333** Music Learning Theory and Assessment 3 hrs
- **MUE 4311** Elementary School Music Methods 2 hrs
- **TSL 4080** Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- **GEF 3 hrs**

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#### Senior Year - Spring
- **ESE 4943** Internship II - Secondary 7 hrs
- **MUE 4943** Music Internship II 12 hrs
- **GEF 3 hrs**

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#### Senior Year - Summer
- **Remaining 3 GEP courses taken as part of 9 required summer hours**

<table>
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### 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
- **MUK 1111** Class Piano I 1 hr
- **MUE 2346** Vocal Techniques 1 hr
- **MUS 1010** Music Forum 0 hrs
- **GEF 6 hrs**
- **MVX 141X** Performance I 2 hrs
- **MUN XXXX** Ensemble 1 hr

<table>
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#### Freshman Year - Spring
- **Take General Knowledge Test**
- **MUL 2014** Introduction to Music History and Literature 3 hrs
- **MUT 1122** Music Theory and Musicianship II 4 hrs
- **MUS 1010** Music Forum 0 hrs
- **GEF 6 hrs**
- **MVX 141X** Performance I 2 hrs
- **MUN XXXX** Ensemble 1 hr

| Total | 16 hrs |

#### Sophomore Year - Fall
- **MUS 1010** Music Forum 0 hrs
- **MUT 2126** Music Theory and Musicianship III 4 hrs
- **MUK 2121** Class Piano III 1 hr
- **MUK 3211** Music History and Literature I 3 hrs
- **GEF 3 hrs**
- **MUE XXXX** Techniques 2 hrs
- **MVX 242X** Performance II 2 hrs
- **MUN XXXX** Ensemble 1 hr

| Total | 15 hrs |

#### Sophomore Year - Spring
- **Apply of Professional Program**
- **MUS 1010** Music Forum 0 hrs
- **EDG 2085** Introduction to Diversity for Educators 3 hrs
- **MUT 2127** Music Theory and Musicianship IV 4 hrs
- **MUK 2122** Class Piano IV 1 hr
- **MUK 3212** Music History and Literature II 3 hrs
- **MUE XXXX** Techniques 2 hrs
- **MVX 242X** Performance II 2 hrs
- **MUN XXXX** Ensemble 1 hr

| Total | 16 hrs |

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### Progression of Requirements

#### Program Academic Learning Compacts
- **Program Academic Learning Compacts (student learning outcomes)**
  for undergraduate programs are located at:
  [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.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 Hennig, Associate Dean, Undergraduate
Patricia Lei, 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 are pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- All applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline. This includes 3 courses from Group A, and the remainder from Groups A or B.

Group A 9 hrs
- A minimum of three courses, with a grade of C (2.0) 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
  - 1 or other approved Physical or Life Science

Group B 9 hrs
- 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 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 a college advisor or community college A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities, and should be completed in the first 60 hours.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

1. Mathematics
- You may substitute a higher level math with appropriate scores on the Math Placement Test.
- Select 1: 3 hrs
- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I

2. Statistics
- Required STA 2014 Principles of Statistics or
- STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
1. Economics/Political Science
- Prefer STA 2014 Principles of Macroeconomics or
- STA 2023 Principles of Microeconomics

2. Social Sciences
- Prefer PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology

E: Science Foundations (8 hrs)
1. Physical Sciences
- Suggested CHM 1032 General Chemistry

2. Life Sciences
- Required BSC 2010C Biology I

2. Common Program Prerequisites (CPP) (21 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information 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

Select 1: 3 hrs
- STA 2014 Principles of Statistics or
- STA 2023 Statistical Methods I

Select 1: 3 hrs
- SOW 3104 Assessing I: Human Development or
- DEP 2004C Developmental Psychology

1 or other approved Life/Physical Science

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (62 hrs)
- Any variation from the following must be approved in advance by the College of Nursing.
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
UCF Degree Programs

NUR 3825 The Role of the Professional Nurse 2 hrs
NUR 3028 Essentials of Nursing Practice 2 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3634 Community Health Nursing 3 hrs
NUR 3634L Community Health Nursing Clinical 2 hrs
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 II: Clinical Practice 2 hrs
NUR 3345 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3163 Nursing Research 3 hrs
NUR 4637 Health Care Issues, Policy, and Economics 3 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Nursing Practicum 4 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4637 Public Health Nursing 2 hrs
NUR 4637L Public Health Nursing Clinical 1 hr

5. Restricted Electives
Nursing Electives
■ One College of Nursing elective (3 hrs)

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to 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 Requires:
■ Open to students with a minimum 3.5 GPA in Nursing.
■ Completion of a three credit directed readings course.
■ Completion of a three credit thesis course.
■ Must earn a minimum cumulative UCF 3.2 GPA.
■ Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
■ Health Services Administration
■ Social Work

Certificates
■ Aging Studies

Related Minors
■ Psychology
■ Health Sciences
■ Health Services Administration

Advising Notes
■ None

Transfer Notes
■ Lower Division courses taken at community colleges do not substitute for Upper Division courses.
■ Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:
CHM 1032: May substitute any college Chemistry course or approved Physical or Life Science course.
DEP 2004: May substitute any Human Growth & Development across Life Span
HUN 1011: May substitute any Human Nutrition course
MCB 2004C: May substitute any Microbiology course which has a lab.
PCB 3703C: May take Anatomy and Physiology sequence (AP I & II).
PSY 2012: May substitute any General Psychology course.
STA 2014C: May substitute STA2023 or equivalent.
SYG 2000: May substitute any Introductory Sociology course.
ZOO 3733C: May take Anatomy and Physiology sequence (AP I & II).

Plan of Study
Freshman Year - Fall
SYG 2000 Introduction to Sociology 3 hrs
MAC 1105C College Algebra 3 hrs
BSC 2010C Biology I 4 hrs
1 GEP 3 hrs
2 1 General Education or SLS 1501

Freshman Year - Spring
PSY 2012 General Psychology 3 hrs
1 STA 2023 Statistical Methods I 3 hrs
CHM 1032 General Chemistry 3 hrs
2 GEP 3 hrs
2 General Education Course

Sophomore Year - Fall
ZOO 3733C Human Anatomy 4 hrs
GEP 3 hrs
GEP 3 hrs
HUN 3011 Human Nutrition 3 hrs
3 hrs
Select 1:
SOW 3104 Assessing I: Human Development or
DEP 2004C Developmental Psychology 3 hrs
3 hrs
3 hrs

Sophomore Year - Spring
PCB 3703C Human Physiology 4 hrs
GEP 3 hrs
GEP 3 hrs
HUN 3011 Human Nutrition 3 hrs
3 hrs

Junior Year - Fall
NUR 3825 The Role of the Professional Nurse 2 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3028 Essentials of Nursing Practice 2 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3634 Community Health Nursing 3 hrs
NUR 3634L Community Health Nursing Clinical 2 hrs
270 Undergraduate Catalog 2011-2012
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 3455L 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 4828 Leadership, Management and Role Transition 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oes.ucf.edu/alc/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 make application and be accepted by the University prior to admission to the ASN program. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
- Criminal background checks and drug screening are required for all Concurrent students prior to their registering for the final practicum course NUR 4604L.

At the time of application, students must have:
- A cumulative GPA of 3.0 or above.
- Been accepted for enrollment and in good standing at the State/Community College ASN nursing program.
- An AA degree from a Florida State/Community College or have met ALL UCF General Education requirements 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 degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida State/Community College or other university.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)

Select 1:
- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

Select 1:
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

Select 1:
- Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (7 hrs)
1 Required BSC 2010C Biology I 4 hrs
2 Required CHM 1032 General Chemistry 3 hrs
1 CHM 1032L General Chemistry Laboratory 1 hr

Suggested
1 Science Foundation is six credit hours for General Education Program.
2 This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
3 or other Physical Science
4

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:
- STA 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 2004C Developmental Psychology 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

Select 1:
- PSY 2012 General Psychology or PSY 2000 Introduction to Sociology 3 hrs
- PSY 2000 Introduction to Sociology 3 hrs

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 degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida State/Community College or other university.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)

Select 1:
- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

Select 1:
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

Select 1:
- Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (7 hrs)
1 Required BSC 2010C Biology I 4 hrs
2 Required CHM 1032 General Chemistry 3 hrs
1 CHM 1032L General Chemistry Laboratory 1 hr

Suggested
1 Science Foundation is six credit hours for General Education Program.
2 This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
3 or other Physical Science
4

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:
- STA 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 2004C Developmental Psychology 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

Select 1:
- PSY 2012 General Psychology or PSY 2000 Introduction to Sociology 3 hrs
- PSY 2000 Introduction to Sociology 3 hrs

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.
UCF Degree Programs

1. Or other Physical or Life ScienceAlso 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)
   - Core UCF Requirements 25 hrs
     - NUR 3038 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 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
   - Upper Division Credit 27 hrs
     - May be met by validation
     - NUR 3028 Essentials of Nursing Practice 2 hrs
     - NUR 3028L Essentials of Nursing Practice Lab 1 hr
     - NUR 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)

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.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to 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 Henning, 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://www.oeas.ucf.edu

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing.
- All applicants must have: Admission to UCF undergraduate program; graduation from an approved or accredited associate degree or diploma nursing program; current Licensure as an RN (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.
1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

Select 1:
   Required STA 2014C Principles of Statistics or STA 2014 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs

Select 1:
   1 Required SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
   1 Required PSY 2012 General Psychology or PSY 2012 3 hrs

Select 1:
   Suggested ECO 2013 Principles of Macroeconomics or ECO 2013 3 hrs
   Suggested ECO 2023 Principles of Microeconomics or ECO 2023 3 hrs
   Suggested POS 2041 American National Government 3 hrs

Select 1:
   1 Required CHM 1032 General Chemistry or CHM 1032 4 hrs
   Required BSC 2010C Biology I 4 hrs

Exemption:
   1 One of these courses is required to meet General Education requirements.

E: Science Foundations (6 hrs)
   Required CHM 1032 General Chemistry 3 hrs
   Required BSC 2010C Biology I 4 hrs

Select 1:
   1 Required SYG 2000 Introduction to Sociology or MCB 2004C Microbiology for Health Professionals 4 hrs
   Required MCB 2004C Microbiology for Health Professionals 4 hrs
   Required CHM 1032 General Chemistry 3 hrs

Select 1:
   Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

Select 1:
   1 Select any two upper division nursing electives (NUR or NSP prefix) 3 hrs
   Required SOW 3104 Assessing I: Human Development or SOW 3104 3 hrs
   Required DEP 2004C Developmental Psychology 3 hrs

Select 1:
   1 PSY 2012 or SYG 2000 Also meet General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
   1 Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions or other Physical or Life Science
   (or other Physical or Life Science) Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
   (or other Physical or Life Science)

Select 1:
   PSY 2012 or SYG 2000 Select any two upper division nursing electives (NUR or NSP prefix) 3 hrs
   MCB 2004C Microbiology for Health Professionals 4 hrs
   CHM 1032 General Chemistry 3 hrs
   Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs

Select 1:
   Select any two upper division nursing electives (NUR or NSP prefix) 3 hrs
   Covered: UCF Degree Programs
   Covered: Undergraduate Catalog 2011-2012
UCF Degree Programs

- 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 Information Management
- Health Services Administration
- Psychology

Advising Notes
- Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (30 hrs)
- assuming general education, foreign language, and nursing prerequisites are complete

Junior Year - Fall
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3534 Community Health Nursing 3 hrs

Junior Year - Summer
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Fall
- NUR 4828 Nursing Leadership, Management and Role 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Spring
- NUR 4604L Practicum in Community and Public Health 4 hrs
- NUR 4637 Public Health Nursing 2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Philosophy (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://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
407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   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
   HUM 2210 Humanistic Tradition I GEP
   HUM 2230 Humanistic Tradition II GEP
   PHI 2010 Introduction to Philosophy GEP

4. Core Requirements: Advanced Level (36 hrs)
   Core
   1 PHI 3083 Research Methods in Philosophy 3 hrs
   PHI 4938 Senior Research Seminar 3 hrs

   1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

Reasoning (6 hrs)
Select 2: 6 hrs
- PHI 2011 Philosophical Reasoning or 3 hrs
- PHI 2101 Formal Logic I or 3 hrs
- PHI 2108 Critical Thinking or 3 hrs
- PHI 2647 Logic and Ethics or 3 hrs
- PHI 3131 Formal Logic II 3 hrs

History of Philosophy (9 hrs)
Select 2: 6 hrs
- PHH 3100 Ancient Philosophy or 3 hrs
- PHH 3200 Medieval Philosophy or 3 hrs
- PHH 3460 Modern Western Philosophy 3 hrs

Select 1: 3 hrs
- PHH 3600 Contemporary Philosophy or 3 hrs
- PHH 3510 Marx and Nietzsche or 3 hrs
- PHH 3700 American Philosophy or 3 hrs
- PHH 3790 African Philosophy 3 hrs

Values and Society (6 hrs)
Select 2: 6 hrs
- PHI 3670 Ethical Theory or 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
- PHM 3401 Philosophy of Law or 3 hrs
- PHM 3800 Aesthetics or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3625 Virtual Ethics or 3 hrs
- PHI 4633 Ethics and Biological Science or 3 hrs
- PHM 3100 Freedom and Justice or 3 hrs
- PHI 3640 Environmental Ethics or 3 hrs
- PHM 4031 Environmental Philosophy or 3 hrs
- PHH 3701 Native American Philosophy or 3 hrs
- PHI 3805 Contemporary Aesthetics 3 hrs
Being and Knowing 6 hrs

Select 2: 6 hrs
PHI 4500 Metaphysics or 3 hrs
PHI 4341 Ways of Knowing or 3 hrs
PHI 4300 Theories of Knowledge or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 4400 Philosophy of Science or 3 hrs
PHI 3320 Philosophy of Mind or 3 hrs
PHI 3451 Philosophy of Psychology or 3 hrs
PHI 4420 Philosophy of Social Science or 3 hrs
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
PHP 4782 Phenomenology or 3 hrs
PHI 4221 Philosophy of Language 3 hrs

Topics in Philosophy 3 hrs
Select 1: 3 hrs
- Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

Core Requirements 36 hrs
- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.
- Some core courses with prior approval by Departmental advisor.
- Courses may be outside the department.

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.

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

Additional Requirements
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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

Graduation
- 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.

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.
## UCF Degree Programs

### Photography (B.S.)

**College of Arts and Humanities**

**School of Visual Arts and Design**

[http://svad.cah.ucf.edu](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)

#### A: Communication Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 2000 Speech (A.S.)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. If not already completed as part of the A.S. degree, after acceptance into the program.

### B: Cultural & Historical Foundations (6 hrs)

#### Required

- ARH 2051 History of Western Art I

#### 1. If not already completed as part of the A.S. degree, after acceptance into the program.

### C: Mathematical Foundations (6 hrs)

#### Required

- MAC 1105 College Algebra
- MGF 2106 College Mathematics
- MGF 2107 Mathematics for Liberal Arts
- Computer Science or Statistics

### D: Social Foundations (6 hrs)

- Political Science or Economics
- Psychology or Sociology

### E: Science Foundations (6 hrs)

- Physical Science
- Life Science

### 2. Common Program Prerequisites (CPP)

- (Included in A.S. or B.S. requirements.)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level (49 hrs)

#### A. S. Required Courses:

- (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)

#### B. S. Required Courses:

- (Included in the A.S. degree program in Photographic Technology, or equivalent coursework)

#### Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 1115 Color Materials and Processes</td>
<td>7 hrs</td>
</tr>
<tr>
<td>PGY 1403 Fundamentals of Photography</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 1806 Digital Imaging</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2000 History and Aesthetics of Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 2107 Large Format Photography</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2215 Professional Studio Portraiture</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2216 Location Photography</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 1809 Photography and the Digital Image</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2300 Field Survey of Professional Workshop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 2550 Editorial Photography</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2470 Advanced Photography Workshop OR</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PGY 2535 Portfolio Workshop</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (36 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 3002 Contempory Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 4003 Image, Culture, and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 3821C Advanced Digital Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 4472C Photo Visualization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 4428C Advanced Illustrative Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 4471 Photography Thesis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 3276 The Professional Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 3205C Photographic Lighting Techniques</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 3651C Narrative Editorial Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 3653C Advanced Editorial Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 3703C Photography &amp; the Web</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 3751C Videography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3250 Professional Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CRW 3011 Creative Writing for Non-Majors</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 ENC 1102 Composition II 6 hrs

B: Cultural & Historical Foundations (9 hrs)
- Take one of the following: 3 hrs

C: Mathematical Foundations (7 hrs)
- Take one of the following: 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations

1. Physical Science; 4 hrs
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Life sciences; 3 hrs
- Select from the E.2. GEP list. 3 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

For full admission details, please refer to the Undergraduate Catalog 2011-2012.
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  3 hrs
CHM 2041  Chemistry Fundamentals IB  3 hrs

3. Core Requirements: Basic Level  (36 hrs)
   Required of all specializations.
MAP 2302  Differential Equations  3 hrs
PHY 3101  Physics for Engineers and Scientists III  3 hrs
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

Directed Electives:  6 hrs

Select from upper division PHY, PHZ, or AST courses 6 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. Core Requirements: Advanced Level  (18 hrs)
Select one specialization

4.1. General Physics Specialization  18 hrs
PHY 4803L Advanced Physics Laboratory  3 hrs

Directed 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  3 hrs
EED 5365C Fabrication of Solid-State Devices  4 hrs

Select 3:  9 hrs
EED 3350 Semiconductor Devices I or  9 hrs
EGN 3365 Structure and Properties of Materials or  3 hrs
EMA 4413 Fundamentals of Electronic Materials or  3 hrs
CHM 3411L Physical Chemistry Laboratory or  2 hrs
PHZ 5405 Condensed Matter Physics or  3 hrs
EED 5362 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  3 hrs
PHY 4445 Lasers or  3 hrs
OSE 5203 Geometrical Optics and Imaging Systems or  3 hrs
OSE 5312 Light Matter Interaction or  3 hrs
OSE 5414 Fundamentals of Optoelectronic Devices  3 hrs

Directed Electives:  9 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization  19 hrs
PHZ 3151 Computer Methods in Physics  3 hrs
COP 3502C Computer Science I  3 hrs
COP 3503C Computer Science II  4 hrs
COT 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  3 hrs
AST 3211 Stellar Astrophysics or  3 hrs
AST 3402 Galaxies and Cosmology  3 hrs

Directed Electives:  6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

5. Restricted Electives  
   None

6. Capstone Requirements  
   None

7. Foreign Language Requirements  

Admissions  

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 residence at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   120

Honors In Major
   None

Related Programs  
Mathematics - 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 alternate, 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/

Acceptable Substitutes for Transfer Courses
The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Plan of Study

Freshman Year - Fall
14 hrs
GEP 3 hrs
GEP 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring
15 hrs
GEP 3 hrs
PHY 2048C Physics for Engineers & Scientists I 3 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Fall
15 hrs
GEP 3 hrs
PHY 2049C Physics for Engineers & Scientists II 4 hrs
MAP 2302 Differential Equations 3 hrs
GEP 3 hrs
PHY 3101 Physics for Engineers and Scientists II 3 hrs
MAP 2302C Advanced Calculus I 3 hrs

Sophomore Year - Spring
15 hrs
GEP 3 hrs
PHY 3220 Mechanics I 3 hrs
PHY 4324 Electricity and Magnetism II 3 hrs
PHY 4912 Independent Research 3 hrs

Junior Year - Fall
15 hrs
PHY 3802L Intermediate Physics Laboratory 3 hrs
PHY 3323 Electricity and Magnetism I 3 hrs
PHY 3513 Thermal and Statistical Physics 3 hrs
GEP 3 hrs

Junior Year - Spring
15 hrs
GEP 3 hrs
PHY 3220 Mechanics I 3 hrs
PHY 4324 Electricity and Magnetism II 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall
15 hrs
PHY 4604 Wave Mechanics I 3 hrs
Free Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
PHY 4912 Independent Research 3 hrs

Senior Year - Spring
14 hrs
GEP 3 hrs
PHY 4605 Wave Mechanics II 3 hrs
Restricted Elective 3 hrs
Free Elective 2 hrs
Free Elective 3 hrs
Physics Test-Nationally normed

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $12.40 per term
Full-Time Student: $24.80 per term

Political Science (B.A.)
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
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
1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
   POS 2041: American National Government 3 hrs
   POS 3703: Scope and Methods of Political Science 3 hrs
2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:
   POS 2041: American National Government 3 hrs
3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
Required: ENC 1101 Composition I 3 hrs
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
### UCF Degree Programs

**D: Social Foundations**  
(6 hrs)  
Required  
POS 2041 American National Government  
Select from GEP D.2 list  

**E: Science Foundations**  
(6 hrs)  
2. Common Program Prerequisites (CPP)  
(3 hrs)  
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.  
- See Transfer Notes for possible substitutes.  

**3. Core Requirements: Basic Level**  

**4. Core Requirements: Advanced Level**  
POS 3703 Scope and Methods of Political Science  
GEP/CPP  

**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 4601 International Law I or  
INR 4402 International Law II or  
INR 4404 Space Law  
INR 3413 The American Presidency or  
INR 3424 Congress and the Legislative Process or  
INR 3443 Political Parties and Processes or  
INR 3463 Interest Groups or  
INR 3627 Cultural Pluralism and Law or  
INR 3074 Latino Politics or  
INR 4142 Metropolitan Politics or  
INR 4204 Political Behavior or  
INR 4246 Political Socialization or  
INR 4284 Judicial Process and Politics or  
INR 4412 Presidential Campaigning or  
INR 4603 American Constitutional Law or  
INR 4604 American Constitutional Law II or  
INR 4622 Politics and Civil Rights or  
INR 4742 Geographic Information Systems for the Political Scientist or  

**Track 3: Prewal**  
- Please see Political Science - Prewal 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 3260 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 3074 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  

**B. International Relations and Comparative Government Area**  
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  
PUP 3078 American Indian Politics or  
PUP 3234 Protest in American Politics  

**C. Political Theory Area**  
(6 hrs)  
POS 3034 Politics of Developing Areas or  
POS 3103 Comparative Politics or  
POT 3003 Political Theory or  
POT 4025 Ancient, Medieval and Early Modern  
POT 4054 Modern Political Philosophy or  
POT 4068 Contemporary Political Theory or  
POT 4108 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  

**In the Transfer and Transitions Services section for more information.**  
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.  
See Transfer Notes for possible substitutes.
6. Capstone Requirements
- None

7. Foreign Language Requirements

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- 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 participative 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.oeas.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 represent a suggested curriculum which both meets the requirements for a Political Science Degree while preparing you for professional school.

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internshipt 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/ duel degree policy in Political Science programs and minors
- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs

- 2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

#### 1. UCF General Education Program (GEP)

<table>
<thead>
<tr>
<th>Area</th>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Prefer SPC 1608 Fundamentals of Oral</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Communication</td>
<td></td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>Prefer AMH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Prefer AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Select a course from GEP B.2. list</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>Prefer MGF 1106 Finite Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Prefer MGF 1107 Explorations in Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>You may substitute a higher level math with appropriate scores on the Math Placement Test.</td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td>Prefer STA 2014C Principles of Statistics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>You may substitute a higher level statistics course.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>Required POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Political Science</td>
<td>Select one of the listed courses</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Common Program Prerequisites (CPP)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>See &quot;Common Program Prerequisites&quot; in the Transfer and Transitions Services section for more information.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Transfer Notes for possible substitutes for the following courses.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>POS 2041 American National Government</td>
<td>GEP</td>
</tr>
<tr>
<td></td>
<td>POS 3703 Scope and Methods of Political Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3. Core Requirements: Basic Level</td>
<td>POS 2041 American National Government</td>
<td>GEP/PP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Core Requirements: Advanced Level</td>
<td>POS 3703 Scope and Methods of Political Science</td>
<td>CPP</td>
</tr>
<tr>
<td></td>
<td>POS 4284 Judicial Process and Politics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(27 hrs)</td>
</tr>
<tr>
<td>Select one of the following four courses:</td>
<td></td>
</tr>
<tr>
<td>POS 4603 American Constitutional Law or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 4604 American Constitutional Law II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4401 International Law I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4402 International Law II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>And, select one of the following two options:</td>
<td></td>
</tr>
<tr>
<td>- Five courses from area A and</td>
<td>15 hrs</td>
</tr>
<tr>
<td>- Two courses from area B and</td>
<td>6 hrs</td>
</tr>
<tr>
<td>- One course from area C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OR - Two courses from area A and</td>
<td>15 hrs</td>
</tr>
<tr>
<td>- Five courses from area B and</td>
<td></td>
</tr>
<tr>
<td>- One course from area C</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.

#### 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.

#### 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
**University of Central Florida**

**Department of Psychology, Psychology Building, Room: 301**

[Website](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:**
  - 3 hrs
  - **Required**
    - STA 2023 Statistical Methods I or
    - STA 2014C Principles of Statistics
  - **3 hrs**

- **D: Social Foundations**
  - 6 hrs

- **Social Sciences:**
  - 3 hrs
  - **Required**
    - PSY 2012 General Psychology
    - **3 hrs**

- **Political Science/Economics**
  - 3 hrs
  - Select one of the listed choices
  - **3 hrs**

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

  [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

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**University of Central Florida**

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## 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 3 hrs
  - Required BSC 2010C Biology I 4 hrs

### Physical or Chemical: Select a listed course
- 3 hrs
- Select one of the listed choices

### 2. Common Program Prerequisites (CPP) (3 hrs)
- See Transfer Notes for possible substitutes for the courses listed below.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- PSY 2012 General Psychology GEP
- DEP 2004C Developmental Psychology 3 hrs

### Biology:
- Select the advanced course if additional biology courses are planned.
  - BSC 1005 Biological Principles or 3 hrs
  - BSC 2010C Biology I 4 hrs

### Statistics:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

### 3. Core Requirements: Basic Level

#### Lower Level Core Requirements
- PSY 2012 General Psychology GEP

#### Biology:
- BSC 1005 Biological Principles or 3 hrs
- BSC 2010C Biology I 4 hrs

#### Statistics:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

### 4. Core Requirements: Advanced Level (15 hrs)
- PSY 3204C Statistical Methods in Psychology 4 hrs
- PSY 3213C Research Methods in Psychology 5 hrs
- PSB 3002 Physiological Psychology 3 hrs
- PSY 4604 History and Systems of Psychology 3 hrs

### 5. Restricted Electives (33 hrs)

#### A. Experimental: Select two of the following:
- 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 3 hrs
- PSY 4215C Advanced Research Methods in Psychology or 4 hrs
- PSY 3703 Psychology of Language 3 hrs

#### B. Personality/Social: Select one of the following:
- PPE 3003C Personality Theory and Research or 3 hrs
- SOP 3004C Social Psychology 3 hrs

#### C. Developmental: Select one of the following:
- 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 one of the following:
- CLP 3184 Women’s Mental Health or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

#### E. Applied: Select one of the following:
- CLP 3302 Clinical Psychology or 3 hrs
- EXP 3250 Principles of Human Factors Psychology or 3 hrs
- INP 3004C Industrial/Organizational Psychology 3 hrs

#### 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 1 hr
  - INP 3951 Industrial/Organizational Field Work or 3 hrs

### G. Math/Science Electives: Select two of the following: 6 hrs
- Students must meet the course prerequisites for any course they select. See course listing for prerequisites
- ANT 2511 The Human Species or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- PHY 2053C College Physics I or 3 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- COP 3223 Introduction to Programming with C or 3 hrs
- COP 3502C Computer Science I or 3 hrs
- COP 3503C Computer Science II or 4 hrs
- MAC 2233 Concepts of Calculus or 3 hrs
- MAC 2253 Applied Calculus I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- STA 4102 Computer Processing of Statistical Data or 3 hrs
- STA 4163 Statistical Methods II or 3 hrs
- STA 4164 Statistical Methods III or 3 hrs
- BSC 1090 Biology and Environment or 3 hrs
- BSC 2010C Biology I GEP 4 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 2023 Statistical Methods II 3 hrs
- STA 4163 Statistical Methods II or 3 hrs
- STA 4164 Statistical Methods III or 3 hrs
- BSC 1090 Biology and Environment or 3 hrs
- BSC 2010C Biology I GEP 4 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 2023 Statistical Methods II 3 hrs
- STA 4163 Statistical Methods II or 3 hrs
- STA 4164 Statistical Methods III or 3 hrs
- BSC 1090 Biology and Environment or 3 hrs
- BSC 2010C Biology I GEP 4 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 2023 Statistical Methods II 3 hrs
- STA 4163 Statistical Methods II or 3 hrs
- STA 4164 Statistical Methods III or 3 hrs
- BSC 1090 Biology and Environment or 3 hrs
- BSC 2010C Biology I GEP 4 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 2023 Statistical Methods II 3 hrs
- STA 4163 Statistical Methods II or 3 hrs
- STA 4164 Statistical Methods III or 3 hrs
- BSC 1090 Biology and Environment or 3 hrs
- BSC 2010C Biology I GEP 4 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 2023 Statistical Methods II 3 hrs
- STA 4163 Statistical Methods II or 3 hrs
- STA 4164 Statistical Methods III or 3 hrs
- BSC 1090 Biology and Environment or 3 hrs
- BSC 2010C Biology I GEP 4 hrs

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement.

#### Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course in the 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

#### Additional Requirements:
- 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 3905 Directed Independent Study or 1 hr
- PSY 4906 Directed Independent Study or 1 hr
- PSY 4912 Directed Independent Research or 1 hr
- 1 PSY 3951 Undergraduate Field Work 1 hr

1 This course will not fulfill this requirement without prior approval.

**Additional Notes:**
- For psychology courses, select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- For science electives, select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- 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 3905 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
### Related Programs
- Sociology
- Anthropology
- Statistics
- Criminal Justice
- Behavioral Forensics

### 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
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Math 3 hrs

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Biology 3 hrs
- Statistics 3 hrs

### Sophomore Year - Fall
- Restricted Elective 3 hrs
- DEP 2004C Developmental Psychology 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

### Sophomore Year - Spring
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

### Junior Year - Fall
- PSB 3002 Physiological Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs

### Senior Year - Spring
- PSY 3213 Research Methods in Psychology 5 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

### Senior Year - Fall
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oead.ucf.edu/alc/academic_learning_compacts.htm](http://www.oead.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

Room: 238


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.

#### Degree Requirements: UCF General Education Program (GEP)

<table>
<thead>
<tr>
<th>Block</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. GEP</td>
<td>Communication Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td></td>
<td>Suggested: SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
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<tr>
<td></td>
<td>C: Mathematical Foundations</td>
<td>(6 hrs)</td>
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<tr>
<td></td>
<td>Required: CGS 1060C Introduction to Computer Science</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>Select 1:</td>
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<tr>
<td></td>
<td>Suggested: MAC 1105C College Algebra or</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>Suggested: MGF 1106 Finite Mathematics or</td>
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<tr>
<td></td>
<td>Suggested: MGF 1107 Explorations in Mathematics</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
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<tr>
<td></td>
<td>Suggested: POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Select 1: 3 hrs
Suggested PSY 2012 General Psychology or
Suggested SYG 2000 Introduction to Sociology or
Suggested ANT 2000 General Anthropology

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (3 hrs)
- See "Common Prerequisites" in the Transfer and Transition Services section
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)
- None
PAD 3003 Public Administration in American Society 3 hrs
PAD 4034 The Administration of Public Policy 3 hrs
PAD 4104 Administrative Theory 3 hrs
PAD 4204 Fiscal Management 3 hrs
PAD 4414 Public Personnel Administration 3 hrs
PAD 4720 Survey Research in Public Administration 3 hrs
PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

B.A./B.S. Option 6 hrs
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives (39 hrs)
Public Administration electives are required as follows:
- PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation
Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- The students must attain a minimum grade of "C" (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Accounting
- Interpersonal/Organizational Communication
- Economics
- Legal Studies
- Computer Science
- Social Work
- Political Science
- Criminal Justice
- Health Services Administration
- Management

Certificates
- Nonprofit Management

Related Minors
- Business
- Economics
- Political Science
- Legal Studies
- Criminal Justice
- Urban and Regional Planning
- Non-Profit Management/American Humanities National Certification Program
- Emergency Management and Homeland Security

Advising Notes
- None

Transfer Notes
- Intro to Computer Science (CGS 1060C) or any Computer Science course (3 credits)
- Economics I (ECO 2013) or any Macroeconomics course (3 credits)
- American National Government (POS 2041) or any course in American National Government (3 credits)

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- *This can be taken in any of the following combinations: 6 hrs of PAD Internship; 6 hrs of PAD Electives; or 3 hrs of PAD Internship and 3 hrs of PAD Electives

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
CGS 1060C Introduction to Computer Science 3 hrs
POS 2041 American National Government 3 hrs
PAP 2102 Public Affairs Careers 2 hrs
Select 1: 3 hrs
ARH 2050 History of Western Art I or 3 hrs
ARH 2051 History of Western Art II or 3 hrs
MUL 2100 Enjoyment of Music or 3 hrs
REL 2300 World Religions or 3 hrs
PHI 2100 Introduction to Philosophy or 3 hrs
THE 2000 Theatre Survey or 3 hrs
LIT 2110 World Literature I or 3 hrs
LIT 2120 World Literature II 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
MGF 1106 Finite Mathematics 3 hrs
Select 1: 3 hrs
PSY 2012 General Psychology or 3 hrs
SYG 2009 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology 3 hrs
Select 1: 3 hrs
CHM 1020 Concepts in Chemistry or 3 hrs
PSC 1121 Physical Science or 3 hrs
AST 2002 Astronomy or 3 hrs
Free Elective 3 hrs
Sophomore Year - Fall
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 1006 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
PAD 3003 Public Administration in American Society 15 hrs
Free Elective 3 hrs
Free Elective 3 hrs
PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

Select 1:
ANH 2020 U.S. History: 1877-Present or 3 hrs
EUH 2001 Western Civilization II or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
WOH 2022 World Civilization II 3 hrs

Junior Year - Fall
PAD 4104 Administrative Theory 15 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
PAD 4034 The Administration of Public Policy 15 hrs
PAD 4204 Fiscal Management 3 hrs
PAD 4720 Survey Research in Public Administration 3 hrs
Restricted Elective 3 hrs
Foreign Language II or BS option 3 hrs

Senior Year - Fall
Restricted Elective 15 hrs
Restricted Elective 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs

Senior Year - Spring
Restricted Elective 15 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
Restricted elective or PAD Internship 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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 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: 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Presentation or 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 2010 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 or 3 hrs
   Computer Science: (3 hrs)
   Prefer CGS 2100C Computer Fundamentals for Business
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 Mass Communication Law 3 hrs
  - RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
  - RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
  - RTV 4403 Electronic Media, Technology, and Society 3 hrs

Select 1:
- SPC 1603 Fundamentals of Technical Presentations GEP
- SPC 1608 Fundamentals of Oral Communication GEP

Select 1:
- CGS 2100C Computer Fundamentals for Business or
- CGS 2585C Desktop/Internet Publishing or
- CGS 3175 Internet Applications 3 hrs

4. Core Requirements: Advanced Level (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
- RTV 3228C Studio Television Production or
- RTV 3233C Lighting for Video or
- RTV 3260C Single Camera Video Production and Editing or
- RTV 3363C Advanced Video Post-Production or
- RTV 3838C Production of Interactive Multimedia or
- RTV 4211C Audio Production II or
- RTV 4280C Webcasting I or
- RTV 4281C Webcasting II or
- RTV 4286C Television Directing or
- RTV 4271C Radio Production and Programming or
- RTV 3942L Practicum or
- RTV 4941 Internship 1 hr

1 May only apply a maximum of 3 hours to the requirement.

B. Broadcast Journalism (22 hrs)
Complete all of the following:
- MMC 4602 Contemporary Media Issues and 3 hrs
- RTV 3260C Single Camera Video Production and Editing and
- RTV 3301 Electronic Journalism I and
- RTV 3304 Electronic Journalism II and
- RTV 4320C Television News 4 hrs

Select from the following:
- JOU 3004 History of American Journalism or
- RTV 3324C Broadcast Announcing and Performance or
- RTV 4322C Advanced TV News or
- RTV 4700 Regulation of Broadcasting or
- RTV 4906 Directed Independent Study or
- RTV 4941 Internship 1 hr

1 May only apply a maximum of 3 hours to the requirement.

C. Broadcast Generalist (18 hrs)
Select from the following:
- ADV 4103 Radio-Television Advertising or
- CMC 4240 Corporate/Institutional Video or
- COM 3330 Computer Mediated Communication or
- MMC 4263 New Media Technologies or
- RTV 3234C Broadcast Announcing and Performance or
- RTV 4271C Radio Production and Programming or
- RTV 4700 Regulation of Broadcasting or
- RTV 4800 Broadcast Management or
- RTV 4941 Internship 1 hr

Select from the following:
- ADV 3008 Principles of Advertising or
- COM 3110 Business and Professional Communication or
- ENC 3250 Professional Writing or
- PUR 4000 Public Relations or
- 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.
- 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
- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.
- The following minors are suggested to compliment the R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:
  - Digital Media
  - Film - Cinema Studies
  - 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必须 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
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<th>Year</th>
<th>Fall</th>
<th>Spring</th>
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<tr>
<td>Freshman</td>
<td>GEP 3 hrs</td>
<td>MG 1108 3 hrs</td>
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<tr>
<td></td>
<td>SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
<td>SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
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<td>ENC 1101 Composition I 3 hrs</td>
<td>ENC 1102 Composition II 3 hrs</td>
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<td>MGF 1107 Explorations in Mathematics 3 hrs</td>
<td>MGF 1107 Explorations in Mathematics 3 hrs</td>
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<tr>
<td>Sophomore</td>
<td>MMC 3200 Mass Communication Law 3 hrs</td>
<td>MMC 3200 Mass Communication Law 3 hrs</td>
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<td>French Language 4 hrs</td>
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<td>GEP 3 hrs</td>
<td>GEP 3 hrs</td>
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<td>RTEV 4402 Electronic Media, Technology, and Society 3 hrs</td>
<td>RTEV 4402 Electronic Media, Technology, and Society 3 hrs</td>
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<td>Apply to RTEV program</td>
<td>Apply to RTEV program</td>
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<tr>
<td>Junior</td>
<td>RTEV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs</td>
<td>RTEV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs</td>
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<tr>
<td></td>
<td>MMC 3420 Mass Media Research Methods 3 hrs</td>
<td>MMC 3420 Mass Media Research Methods 3 hrs</td>
</tr>
<tr>
<td>Senior</td>
<td>RTEV 2102 Writing for the Electronic Media 3 hrs</td>
<td>RTEV 2102 Writing for the Electronic Media 3 hrs</td>
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</table>

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $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)** (36 hrs)

   | A: Communication Foundations | (9 hrs) |
   | B: Cultural & Historical Foundations | (9 hrs) |
   | C: Mathematical Foundations | (6 hrs) |
   | D: Social Foundations | (6 hrs) |

Select 1:
- Suggested: ECO 2013 Principles of Macroeconomics 3 hrs
- Suggested: ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- Suggested: PSY 2012 General Psychology or 3 hrs
- Suggested: SYG 2000 Introduction to Sociology or 3 hrs
- Suggested: ANT 2000 General Anthropology or 3 hrs

| E: Science Foundations | (6 hrs) |

**Restrictions:**
- None
- Apparel and Equipment Fees:
  - Full-Time Student: $90 per term
  - Part-Time Student: $45 per term

**Unrelated Minors:**
- Digital Media
- Film - Cinema Studies
- Marketing
- Theatre

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- This is one of numerous possible plans of study. See program description for all requirements.
- Consult a school advisor for alternate, new, or more appropriate selections.

**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.

**Advising Notes**
- None

**Certificates**
- None

**Related Minors**
- NOTE: Minors taught within the Nicholson School of Communication are not open to R-TV majors.
- Digital Media
- Film - Cinema Studies
- Marketing
- Theatre

**Final exams will be given during exam week.**
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:
     - 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
   - Required in 1st or 2nd semester

4. Core Requirements: Advanced Level (9 hrs)
   - FIN 2100 Personal Finance and Investments 3 hrs
   - REE 3043 Fundamentals of Real Estate 3 hrs
   - REE 3433 Real Estate Law 3 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
   - This course should be taken in the graduating term and requires the following prerequisites:
     - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     - MAR 3023 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 foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None
   8. Electives
   - None
   9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
   - None

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - None

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
Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
Cull-Hist II 3 hrs
Art/Music/Lit 3 hrs
Elective 3 hrs

Sophomore Year - Fall 15 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
AGS 2021 Principles of Financial Accounting 3 hrs
Science 3 hrs
Psy/Soc/Art 3 hrs
Elective 3 hrs

Sophomore Year - Spring 15 hrs
ECO 2023 Principles of Microeconomics 3 hrs
AGS 2071 Principles of Managerial Accounting 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
Science 3 hrs

Junior Year - Fall 14 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs
FIN 3403C Business Finance 4 hrs

Junior Year - Spring 15 hrs
GEB 3375 Introduction to International Business 4 hrs
MAR 3023 Marketing 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
REE Elective 3 hrs

Senior Year - Fall 15 hrs
MAN 3025 Management of Organizations 4 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
REE Elective 3 hrs

Senior Year - Spring 16 hrs
MAN 4720 Strategic Management 4 hrs
REE Elective 3 hrs
REE Elective 3 hrs
REE Elective 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

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 1060C Basic Statistics Using Microsoft Excel 3 hrs

   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

   2. Common Program Prerequisites (CPP)
   None

   3. Core Requirements: Basic Level
      HUM 2210 Humanistic Tradition I GEP
      HUM 2230 Humanistic Tradition II GEP
      REL 2300 World Religions GEP

   4. Core Requirements: Advanced Level
      Foundations in the Study of Religion and Humanities 9 hrs
      Religion 6 hrs
      REL 3131 Religion in America or 3 hrs
      REL 4110 Religion and the Arts or 3 hrs
      PHI 3703 Philosophy of Religion or 3 hrs
      ANC 3241 Magic, Ritual, and Belief or 3 hrs
      POT 4632 Religion and Politics or 3 hrs
      SYO 4200 Religion in Society 3 hrs

      Humanities and Classics 3 hrs
      CLT 3370 Classical Mythology or 3 hrs
      CLT 3378 Comparative Mythology or 3 hrs
      HUM 3431 Ancient Humanities or 3 hrs
      HUM 3435 Medieval Humanities or 3 hrs
      HUM 3255 Modern Humanities or 3 hrs
      HUM 3252 Contemporary Humanities 3 hrs

      Traditions: Religion in a Global World 9 hrs
      Select 1: 3 hrs
      JST 3401 Jewish People in Antiquity or 3 hrs
      JST 3402 Wanderings: The Jewish People in Dispersion 3 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 3352 Christian Thought or 3 hrs
      REL 3553 Moses, Jesus and Muhammad or 3 hrs
      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 3 hrs
      REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
      REL 3111 Religion and Philosophy Through Film or 3 hrs
      REL 3432 Roots of Western Mysticism or 3 hrs
      HUM 4554 Religious Quest and Human Dilemma or 3 hrs
      HUM 4303 The Spiritual Ideal or 3 hrs
      PHI 3672 Animal Ethics or 3 hrs
      REL 4180 Religion and Medicine 3 hrs

5. Restricted Electives (9 hrs)
Select 3: 9 hrs
REL 4941 Internship or 1 hr
HUM 3320 Contemporary Multicultural Studies or 3 hrs
HUM 4301 The Classical Ideal or 3 hrs
HUM 4330 Performance Theory or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or

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, sdberna@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.

Universal System of Knowledge (USK) (36 hrs)

1. UCF General Education Program (GEP) (36 hrs)
2. Common Program Prerequisites (CPP) (24 hrs)
3. Core Requirements: Basic Level (24 hrs)
4. Core Requirements: Advanced Level (24 hrs)
5. Restricted Electives (9 hrs)

## UCF Degree Programs

### Honors Thesis 6 hrs
- Strongly encouraged to take Honors in the Major.

### 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
- Certificates
- None

### Related Minors
- Humanities
- Judaic Studies
- Philosophy
- Religious Studies

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- REL 2300 World Religions 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

#### Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- Restricted Elective 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization I 4 hrs

#### Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Sophomore Year - Spring 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### 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

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**Plan of Study:**

1. **Admissions**
   - Met by graduation requirement

2. **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.

3. **Electives**
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

4. **Additional Requirements**
   - None

5. **Required Minors**
   - None

6. **Capstone Requirements**
   - None

7. **Foreign Language Requirements**
   - None

8. **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.

9. **Computer Competency**
   - Met by one of the following:
     - REL 490H 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

10. **University Minimum Exit Requirements**
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 or the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required** 120
<table>
<thead>
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<th>Units</th>
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<tbody>
<tr>
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<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3340  Buddhist Thought</td>
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**Senior Year - Spring**

**15 hrs**

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<tr>
<th>Course</th>
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<tr>
<td>Restricted Elective</td>
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<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective</td>
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**Program Academic Learning Compacts**

- **Program Academic Learning Compacts (student learning outcomes)** for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

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**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 ANT 2000 General Anthropology 3 hrs
     - E: Science Foundations (6 hrs)
       - 1 HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

1. See “Common Prerequisites” in the Transfer and Transitions section (pg. 46) for more information.

2. **Core Requirements: Basic Level**
   - MAC 1105C College Algebra  GEP
   - Select 1: 3 hrs
     - CGS 2100C Computer Fundamentals for Business or  GEP
     - STA 2023 Statistical Methods I  GEP
   - Select 1: 3 hrs
     - ECO 2013 Principles of Macroeconomics or  GEP
     - ECO 2023 Principles of Microeconomics  GEP

3. **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
   - 5. **Restricted Electives (15 hrs)**
     - Select 5: 15 hrs
       - FSS 3008 Culture and Cuisine or
       - FSS 4135 Corporate Contract and Managed Services Organizations or
       - FSS 4286C Catering and Banquet Organization or
       - HFT 3654 Franchising in the Restaurant Industry or
       - HFT 3869 History and Culture of Wine or
       - HFT 4266 Restaurant Brand Management or
       - HFT 4268 Case Studies in Restaurant Management or
       - HFT 4281 Restaurant Leadership Strategies and Tactics or
       - HFT 4343 Hospitality Facilities Planning and Design or
       - HFT 4864 Seminar in Quality Brewing and Fine Beer or
       - HFT 4868C Exploring Wines of the World or
       - HFT 4894 International Gastronomy or
       - HUN 3913 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

6. **Capstone Requirements**

- **None**

7. **Foreign Language Requirements**

**Admissions**

- State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**

- **None**

8. **Electives**

- 3-11 hours as necessary to result in 120 total credit hours.

9. **Additional Requirements**

- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

10. **Required Minors**

- **None**

11. **Departmental Exit Requirements**

- **None**

12. **University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by 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 of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptorable Substitutes for Transfer Courses
- None

Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Select 1: 3 hrs
  - PSY 2012 General Psychology or
  - SYG 2000 Introduction to Sociology or
  - ANT 2000 General Anthropology

Select 1:
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- FSS 2212C Techniques of Food Preparation 4 hrs
- MAC 1105C College Algebra 3 hrs

Sophomore Year - Fall
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- HFT 3263 Restaurant Management 3 hrs
- Select 1:
  - ECO 2013 Principles of Macroeconomics or
  - ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- FSS 3124 Supply and Procurement Management 3 hrs
- ANT 2511 The Human Species 3 hrs

Junior Year - Fall
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3574 Food Service Marketing Advertising and Promotion Management 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry Internship 1 hr

Junior Year - Spring
- HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
- HFT 4844 Sanitation in the Food Service Industry 3 hrs
- HFT 4861C Beverage Management 3 hrs
- HFT 4941 Internship 1 hr

Senior Year - Fall
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4944 Practicum 1 hr
- HFT 4464 Hospitality Industry Finance 3 hrs

Senior Year - Spring
- 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.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Science Education - Biology (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 Prequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)

- Note: Students are advised to take the preferred courses.

A: Communication Foundations

- Required
  - ENC 1101 Composition I 3 hrs
  - ENC 1102 Composition II 3 hrs
  - ECO 2013 Principles of Macroeconomics or
  - ECO 2023 Principles of Microeconomics 3 hrs

B: Cultural & Historical Foundations

- Preferred
  - AMH 2010 U.S. History: 1492-1877 3 hrs
  - AMH 2020 U.S. History: 1877-Present 3 hrs
  - PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations

- Select 1:
  - STA 1060C Basic Statistics Using Microsoft Excel or
  - STA 2014C Principles of Statistics 3 hrs

Select 1:
- Suggested
  - MGF 1106 Finite Mathematics or
  - MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations

- Preferred
  - POS 2041 American National Government 3 hrs
  - PSY 2012 General Psychology 3 hrs

E: Science Foundations

- Preferred
  - PSC 1121 Physical Science 3 hrs
  - BSC 2010C College Algebra 3 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.
EDF 2005  Introduction to the Teaching Profession  3 hrs
EDF 2085  Introduction to Diveristy for Educators  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level  (12 hrs)

- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.
- EDI 2130  Child and Adolescent Development for Educators  3 hrs
- BSC 2010C  Biology I  GEP
- BSC 2011C  Biology II  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- PSC 1121  Physical Science  GEP
- PSC 1121L  Physical Science Lab  1 hr

4. Core Requirements: Advanced Level  (62 hrs)

- Education Core Requirements  18 hrs
  - Program Internship I Prerequisites: EDF 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: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL.
  - Students in Schools.
  - EDF 4407  Learning Theory and Assessment  3 hrs
  - EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
  - EDG 4410  Teaching Strategies and Classroom Management  3 hrs
  - EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs
  - RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
  - TSL 4080  Theory and Practice of Teaching ESOL  3 hrs
  - Students in Schools.

- Internship I Block  7 hrs
  - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
  - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
  - SCE 4360  Science Instructional Analysis  4 hrs
  - SCE 3940  Internship  3 hrs

Specialization Requirements  25 hrs

- CHM 2205  Introduction to Organic and Biochemistry  5 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- PCB 3044  Principles of Ecology  3 hrs
- PCB 3044L  Principles of Ecology Laboratory  1 hr
- MCB 3020C  General Microbiology  5 hrs
- SCE 4361  Programs in Teaching Science  3 hrs

Select 1:  4 hrs

- PCB 3703C  Human Physiology  4 hrs
- ZOO 3733C  Human Anatomy  4 hrs
- PCB 3063 Genetics & PCB 3063L Genetics Lab  4 hrs

Internship II  12 hrs

- At least 80% of all required biology courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Biology 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- SCE 4941  Internship  12 hrs

- 5. Restricted Electives
- None

- 6. Capstone Requirements
- None

- 7. Foreign Language Requirements

- Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (this requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

- Graduation
- None

- 8. Electives
- None

- 9. Additional Requirements
- None

- 10. Required Minors
- None

- 11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

- 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

- Total Semester Hours Required
- 120

- Honors In Major
- None

- Related Programs
- None

- Certificates
- None

- Related Minors
- None

- Advising Notes
- None

- Transfer Notes
- None

- Acceptable Substitutes for Transfer Courses
- None

- Plan of Study  (120 hrs)

- Recommended Four Year Sequence of Courses

- Freshman Year - Fall
- 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

- Undergraduate Catalog 2011-2012
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
BSC 2010C Biology I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
Select 1:
STA 2014C Principles of Statistics or 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring
BSC 2011C Biology II 4 hrs
CHM 2205 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

Sophomore Year - Summer
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Fall
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
PCB 3944 Principles of Ecology 3 hrs
PCB 3044L Principles of Ecology Laboratory 1 hr
Select one of the following sequences of courses:
PCB 3063 Genetics and 3 hrs
PCB 3063L Genetics Laboratory 1 hr
or
PCB 3703C Human Physiology 4 hrs
or
ZOO 3733C Human Anatomy 4 hrs

Junior Year - Spring
MCB 3020C General Microbiology 5 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
SCE 3041 Programs in Teaching Science 3 hrs

Junior Year - Summer
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Senior Year - Fall
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
SCE 3940 Internship 3 hrs
SCE 4283 Science Instructional Analysis 4 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 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

Science Education - Chemistry (B.S.)
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet 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.
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Required MAC 1114 College Trigonometry 3 hrs
   - Select 1: 3 hrs
     - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
     - Prefer STA 1041C Principles of Statistics 3 hrs

   D: Social Foundations (6 hrs)
   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

   E: Science Foundations (7 hrs)
   - 1 Required BSC 2010C Biology I 4 hrs
   - 1 Required PSC 1121L Physical Science 3 hrs
   - A grade of "C-" (1.75) or better is required.

2. Common Program Prerequisites (CPP) (9 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs

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
6. Capstone Requirements

5. Restricted Electives

Rule 6A-5.066. the pre-professional level in accordance with State Board of Education onstrate proficiency in all 12 Florida Educator Accomplished Practices at Experiences at dates and applications are available through the Office of Clinical ly recommended prior to entry into Internship II. 12 hrs

Internship I Block 7 hrs

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I. Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/ SCE 4360 Science Instructional Analysis 4 hrs
SCE 3940 Internship 3 hrs

Specialization Requirements 29 hrs

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
PHY 2053C College Physics I 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CNS 3501 Introduction to Forensic Science 3 hrs
BCH 4053 Biochemistry I 3 hrs
SCE 3940 Internship 3 hrs

Internship II 12 hrs

At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

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 residenacy at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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
PSC 121L Physical Science 3 hrs
PSC 1121L Physical Science Lab 1 hr
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring

ENC 1102 Composition II 3 hrs
MAC 1114 College Trigonometry 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs

Freshman Year - Summer

6 hrs

Select 1:

STA 2014C Principles of Statistics or 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall

14 hrs

EDF 2005 Introduction to the Teaching Profession 3 hrs
BSC 2010C Biology I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

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Undergraduate Catalog 2011-2012

UCF Degree Programs

PSC 1121 Physical Science
PSC 1121L Physical Science Lab 1 hr
BSC 2010C Biology I
MAC 1114 College Trigonometry

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements 18 hrs

- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommend- ed 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/

SCE 4360 Science Instructional Analysis 4 hrs
SCE 3940 Internship 3 hrs

Specialization Requirements 29 hrs

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
PHY 2053C College Physics I 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CNS 3501 Introduction to Forensic Science 3 hrs
BCH 4053 Biochemistry I 3 hrs
SCE 3940 Internship 3 hrs

Internship II 12 hrs

- At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

- Passing score on the Subject Area Examination (Chemistry 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

SCE 4941 Internship 12 hrs

5. Restricted Electives

None

6. Capstone Requirements

None
### UCF Degree Programs

#### Sophomore Year - Spring 13 hrs

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<td>EDF 2085</td>
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<td>EME 2040</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EDF 2130</td>
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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 16 hrs

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<tr>
<td>EEX 4242</td>
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<td>CHM 2210</td>
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#### Junior Year - Spring 14 hrs

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<td>RED 4043</td>
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<td>SCE 4361</td>
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#### Junior Year - Summer 3 hrs

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#### Senior Year - Fall 13 hrs

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<tr>
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<td>EDF 4603</td>
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<tr>
<td>SCE 3940</td>
<td>3 hrs</td>
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<tr>
<td>SCE 4360</td>
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#### Senior Year - Spring 12 hrs

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<th>Course</th>
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#### Program Academic Learning Compacts

- For undergraduate programs are located at: [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.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**


Dr. Janet Andreades, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

#### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)
- Complete all Education Common Program Prerequisite courses 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

#### Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

#### 4. Core Requirements: Advanced Level (66 hrs)

- **Education Core Requirements 18 hrs**
  - Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
  - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommend ed as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL
  - Students in Schools.
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

#### This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirement are subject to change based on state mandates.

#### 1. UCF General Education Program (GEP) (37 hrs)

- Students are advised to take the preferred courses.

#### A: Communication Foundations (9 hrs)

- Preferred ENC 1101 Composition I 3 hrs
- Preferred 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: 1877-Present 3 hrs
- Preferred PHI 2010 Introduction to Philosophy 3 hrs
- Preferred AMH 2020 U.S. History: 1492-1877 3 hrs

#### C: Mathematical Foundations (7 hrs)

- Preferred MAC 2311 Calculus with Analytic Geometry I 4 hrs

#### Select 1: (3 hrs)

- Preferred STA 1060C Basic Statistics Using Microsoft Excel or STA 2023 Statistical Methods 3 hrs

#### D: Social Foundations (6 hrs)

- Preferred POS 2041 American National Government 3 hrs
- Preferred PSY 2012 General Psychology 3 hrs

#### E: Science Foundations (6 hrs)

- Preferred PSC 1121 Physical Science 3 hrs

#### Select 1: (3 hrs)

- Preferred ANT 2511 The Human Species 3 hrs
- Preferred BSC 1005 Biological Principles 3 hrs

#### Science Education - Physics (B.S.)

**College of Education**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**


Dr. Janet Andreades, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

#### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)
- Complete all Education Common Program Prerequisite courses 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

#### 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](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)
University Minimum Exit Requirements

Examination.
in the 12 Florida Educator Accomplished Practices.
requires demonstration of professional growth, reflection, and proficiency

10. Required Minors

8. Electives

7. Foreign Language Requirements
Admissions
State University System foreign language admission requirement:
two years in high school or one year of college instruction in a single
foreign language. (This requirement applies to those students admitted
to the University without the required two units of foreign language in high
school.)

Graduation

5. Restricted Electives

6. Capstone Requirements

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

Related Programs

Certificates

Related Minors

Advising Notes

Transfer Notes

Acceptable Substitutes for Transfer Courses

Plan of Study

Freshman Year - Fall

AMH 2010  U.S. History: 1492-1877  3 hrs
ENC 1101  Composition I  3 hrs

Select 1:

STA 1060C  Basic Statistics Using Microsoft Excel or
STA 2014C  Principles of Statistics  3 hrs

Freshman Year - Spring

AMH 2020  U.S. History: 1877-Present  3 hrs
MAC 2311  Calculus with Analytic Geometry I  4 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
ENC 1102  Composition II  3 hrs

Select 1:

ANT 2511  The Human Species or
BSC 1005  Biological Principles  3 hrs

Sophomore Year - Fall

EDF 2130  Child and Adolescent Development for
4 hrs
1 MAC 2313  Calculus with Analytic Geometry III  4 hrs
PSC 1121L  Physical Science Lab  1 hr

Select 1:

EEX 4242  Teaching Exceptional Students in
Secondary Settings

EDG 4410  Teaching Strategies and Classroom
Management

TSL 4080  Theory and Practice of Teaching ESOL
Students in Schools
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.oes.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/seed/
Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.566. 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 (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Required AMH 2010 U.S. History: 1492-1877 3 hrs
Required AMH 2020 U.S. History: 1877-Present 3 hrs
Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
Select 1:
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 (6 hrs)
Prefer POS 2041 American National Government 3 hrs
Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
Prefer PSC 1121 Physical Science 3 hrs

Select 1:
Prefer ANT 2511 The Human Species or 3 hrs
Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

3. Core Requirements: Basic Level (9 hrs)
- EDG 2130 Child and Adolescent Development for Educators 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- ECO 2023 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 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.
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

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

Internship I Block (6 hrs)
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

SSE 3940 Internship 3 hrs

Specialization Requirements (30 hrs)
GEO 3471 World Political Geography 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
EUH 2000 Western Civilization I 3 hrs
EUH 2001 Western Civilization II 3 hrs
AMH 2010  U.S. History: 1492-1877  GEP
AMH 2020  U.S. History: 1877-Present  GEP
PSY 2012  General Psychology  GEP
SSE 4906  Programs in Teaching Social Science 3 hrs
SSE 4940  Programs in Teaching Social Science 3 hrs
Upper Division Non-Western History Elective (AFH, AMH, 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/](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 residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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** 12 hrs
AMH 2010  U.S. History: 1492-1877  3 hrs
EDF 2005  Introduction to the Teaching Profession  3 hrs
MGF 1106  Finite Mathematics  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

**Freshman Year - Summer**
None

**Sophomore Year - Fall** 15 hrs
EDF 2055  Introduction to the Teaching Profession  3 hrs
ECO 2013  Principles of Microeconomics  3 hrs
PSC 1121  Physical Science  3 hrs
SYG 2000  Introduction to Sociology  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
EDF 2130  Child and Adolescent Development for Educators  3 hrs

**Sophomore Year - Summer** 9 hrs
EUH 2000  Western Civilization I  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL  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 4043  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

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1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.
### Social Sciences (B.S.)

**College of Sciences**  
**Department of Sociology, Howard Phillips Hall,**  
**Room: 403**  
**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 and complete a standardized entrance exam.**
- **Students must meet the residency requirements specified in each minor.**
- **Special topics courses may be used if they are acceptable within the specific minor.**
- **A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.**
- **Grades below “C” (2.0) in lower level courses are not accepted.**
- **Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.**
- **Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.**
- **Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**

1. **UCF General Education Program (GEP) (36 hrs)**

   **A: Communication Foundations (9 hrs)**
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs

   **Complete one of the following:** 3 hrs
   - Suggested: SPC 1608 Fundamentals of Oral Communication or SPC 1603 Fundamentals of Technical Presentations or Prefer COM 1000 Introduction to Communication 3 hrs

2. **B: Cultural & Historical Foundations (9 hrs)**

3. **C: Mathematical Foundations (6 hrs)**

4. **Statistics:** 3 hrs
   - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

5. **Math:** 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.
   - Prefer MGF 1107 Explorations in Mathematics 3 hrs

6. **D: Social Foundations (6 hrs)**

   **Select the following course:** 3 hrs
   - Required POS 2041 American National Government 3 hrs

   **Select one of the following, depending on the concentration to be followed.**

   - **Required** ANT 2000 General Anthropology or 3 hrs
   - **Required** PSY 2012 General Psychology or 3 hrs
   - **Required** SYG 2000 Introduction to Sociology 3 hrs

**E: Science Foundations** (6 hrs)

1. **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.

2. **Core Requirements: Basic Level**

   **Select one of the following Statistics courses:**
   - STA 2014C Principles of Statistics or GEP
   - STA 2023 Statistical Methods I GEP

   **Select at least three of the following, depending on concentrations to be taken:**
   - ANT 2000 General Anthropology or GEP
   - POS 2041 American National Government or GEP
   - PSY 2012 General Psychology or GEP
   - SPC 1608 Fundamentals of Oral Communication or GEP
   - SYG 2000 Introduction to Sociology GEP

3. **Core Requirements: Advanced Level** (57 hrs)

   **Select one methods’ course:** 3 hrs
   - POS 3703 Scope and Methods of Political Science or 3 hrs
   - PSY 3213C Research Methods in Psychology or 5 hrs
   - SYA 4300C Research Methods or 4 hrs
   - COM 3311 Communication Research Methods 3 hrs

**Required Minors:**

- **Complete the requirements for 3 Social Science minors dealing with the following areas:**
- **Only one minor may be selected from the same department or school.**

   **Anthropology** 18 hrs
   - Required SYG 2000 Introduction to Sociology 3 hrs
   - Required PSY 2012 Introduction to Research Methods 3 hrs
   - Required POS 2041 American National Government 3 hrs
   - Required STA 2014C Principles of Statistics 3 hrs

   **Political Science** 18 hrs
   - Required PSY 2012 Introduction to Research Methods 3 hrs
   - Required POS 2041 American National Government 3 hrs
   - Required STA 2014C Principles of Statistics 3 hrs

**5. Restricted Electives**

- **None**

**6. Capstone Requirements**

- **Students will be required to take a standardized exit exam in their graduating semester.**

**7. Foreign Language Requirements**

**Admissions**

- **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.

**8. Electives**

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the areas.

**9. Additional Requirements**

- **None**

**10. Required Minors**

- **Three minors are to be selected from the following listing:**
  - **However only one minor may be taken within a single department or school.**
  - **Anthropology**
  - **Anthropology in multicultural Studies**
  - **Interpersonal/organizational Communication**
  - **Mass Communication**
  - **Medical Anthropology**
  - **North American Indian Studies**
  - **Political Science**
Sophomore Year - Fall 13 hrs
- Core Course 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 15 hrs
- Core Course 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall 15 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $11 per term
- Full-Time Student: $22 per term

Social Work (B.S.W.)
College of Health and Public Affairs
School of Social Work, Health and Public Affairs I, Room: 204
http://www.copha.ucf.edu/social/
E-mail: socialwk@mail.ucf.edu
John Ronnau, Director
Robin Kohn, Undergraduate Program Coordinator
407-823-2114

Admission Requirements
- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University
  - A 2.5 overall GPA
  - An AA (from a Florida State Community College) or UCF General Education Program, Gordon Rule, and CLAS
  - 15 semester hours common program prerequisites (see Section 2 below for list of courses)

- This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
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 meet 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)
- Select 1:
  - Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
  - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics

C: Mathematical Foundations (6 hrs)
- Select 1:
  - Suggested PSY 2012 General Psychology
  - Suggested AST 2002 Astronomy

D: Social Foundations (6 hrs)
- Select 1:
  - Suggested POS 2041 American National Government
  - Suggested PSY 2012 General Psychology

E: Science Foundations (6 hrs)
- Select 1:
  - Prefer PSC 1121 Physical Science or PSC 1122 Physical Science B
  - Suggested AST 2002 Astronomy

2. Common Program Prerequisites (CPP) (6 hrs)

- See Transfer Notes.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- POS 2041 American National Government
- BSC 1005 Biological Principles
- PSY 2012 General Psychology
- SYG 2000 Introduction to Sociology

Select 1:
- ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

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

Required Principles of Statistics (3 hrs)
- Choose one of the following suggested courses, or see advisor for more options:
  - STA 2014C Principles of Statistics
  - STA 2023 Statistical Methods I

Foreign Language or Cultural Diversity Requirement (6 hrs)
- Choose two of the following suggested courses:
  - ANT 4332 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

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Graduation
- Cultural Diversity Requirement or Foreign Language requirement

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum overall GPA of 2.5 in all social work courses with a minimum grade of "C" (2.0) or higher in each social work course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors in Major**
- Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course
- Complete a three-credit thesis course
- Earn a 3.5 GPA in your Social Work major
- Earn a cumulative 3.2 GPA in your total UCF courses
- Complete 60 hours of college credit, including 12 upper division hours at UCF

**Related Programs**
- Criminal Justice
- Psychology
- Sociology
- Public Administration

**Certificates**
- Aging Studies
- Children’s Services

**Related Minors**
- Health Services Administration
- Aging Studies
- Psychology
- Sociology
- American Humanics
- Non-Profit Management/American Humanics National Certification Program

**Advising Notes**
- None

**Transfer Notes**
- Community College Equivalent courses for prerequisites: any course in the following areas (3 hrs each): American Government or American National Government; Biology (Human Biology or Anatomy & Physiology); Economics (Microeconomics or Macroeconomics); Introductory Psychology; Introductory Sociology; Principles of Statistics

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**

### Freshman Year - Fall
- 14 hrs
  - ENC 1101 Composition I 3 hrs
  - BSC 1005 Biological Principles 3 hrs
  - MGF 1106 Finite Mathematics 3 hrs
  - PAF 2102 Public Affairs Careers 2 hrs
  - Select 1:
    - 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 2101 Enjoyment of Music or 3 hrs
    - THE 2000 Theatre Survey or 3 hrs
    - REL 2300 World Religions or 3 hrs
    - PHI 2101 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 2001 Western Civilization I or 3 hrs
    - WOH 2012 World Civilization I or 3 hrs

### Sophomore Year - Spring
- 15 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

### Junior Year - Fall
- 15 hrs
  - Select 1:
    - SOW 3104 Assessing I: 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
  - Restricted Elective 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
- 15 hrs
  - SOW 4352 Practice II: Interpersonal Skills in Social Work 3 hrs
  - SOW 3401 Social Work Research 3 hrs
  - SOW 3620 Social Work with Diverse Populations 3 hrs
  - Free Elective 3 hrs

### Senior Year - Spring
- 12 hrs
  - SOW 4522 Field Education Seminar 3 hrs
  - SOW 4941 Internship 3 hrs
  - SOW Elective 3 hrs
  - SOW 4522 Field Education Seminar 3 hrs
  - SOW Elective 3 hrs

### Senior Year - Summer
- 4 hrs
  - SOW 4941 Internship 4 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
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 internships must be approved by the Sociology department prior to enrollment.
- 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
   Statistics: 3 hrs
   Prefer MAC 1105C College Algebra 3 hrs
   Preferred STA 2014C Principles of Statistics 3 hrs
   D: Social Foundations (6 hrs)
   Political Science/Economics 3 hrs
   Select one listed course 3 hrs
   Social Sciences 3 hrs
   Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (3 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.
   SYG 2000 Introduction to Sociology GEP
   SYA 3110 Social Theory 3 hrs

3. Core Requirements: Basic Level (24 hrs)
   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.
   - 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 3380 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

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.
Spanish (B.A.)

College of Arts and Humanities

Department of Modern Languages and Literatures, Colbourn Hall, Room: 523

http://mll.cah.ucf.edu/

E-mail: forlang@mail.ucf.edu

Dr. Paul Giordano
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)
   1 Prefer MGF 1106 Finite Mathematics 3 hrs
   Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

2. Core Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
   - SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
   - SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

3. Core Requirements: Basic Level
   - SPN 3234 Advanced Directed Readings 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
   - SPN 3420 Spanish Composition 3 hrs
   - SPN 3760 Advanced Spanish Oral Communication 3 hrs

Select one of the following sequences of courses:

- SPW 3100 Survey of Spanish Literature I and 3 hrs
  SPW 3101 Survey of Spanish Literature II 3 hrs

- or

- SPW 3130 Survey of Latin-American Literature I and 3 hrs
  SPW 3131 Survey of Latin-American Literature II 3 hrs

1 A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

5. Restricted Electives (21 hrs)
   Select one of the following 3 hrs
   - FOL 3730 Romance Philology 3 hrs
   - SPN 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
  - taught in Spanish
  
  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

8. Required Minors
   - None

9. 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

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 1120C</td>
<td>Elementary Spanish Language and Civilization I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Elective / Minor 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
308 Undergraduate Catalog 2011-2012
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
ART 2050 History of Western Art I 3 hrs
PSC 2041 American National Government 3 hrs
PET 2084 Introduction to Sport and Exercise Science 3 hrs
SPN 2220 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 3760 Advanced Spanish Oral Communication 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Junior Year - Spring
SPW 3101 Survey of Spanish Literature II 3 hrs
SPN 4780 Spanish Phonetics 3 hrs
SPN 3141 Business Spanish II 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Senior Year - Fall
SPW 3100 Survey of Spanish Literature I 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs
SPN 5705 Introduction to Spanish Linguistics 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Senior Year - Spring
SPW 3131 Survey of Latin-American Literature II 3 hrs
SPW 4381 Latin-American Theatre/Poetry 3 hrs
SPN 4410 Advanced Spanish Conversation 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.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 1106 Finite Mathematics 3 hrs

   Select 1: 3 hrs
   Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   Prefer STA 2014C Principles of Statistics 3 hrs

   D: Social Foundations (6 hrs)
   Prefer POS 2041 American National Government 3 hrs
   Prefer PSY 2012 General Psychology 3 hrs

   E: Science Foundations (7 hrs)
   Required BSC 2010C Biology I 4 hrs
   Prefer PSC 1121 Physical Science 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 2084 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

Sport and Exercise Science (B.S.)
College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://education.ucf.edu/sportsexscience
Dr. Jay Hoffman, ED 320H, jhoffma@mail.ucf.edu

The Sport and Exercise Science BS program is offered at the UCF Orlando and UCF South Lake (Clermont) Campuses. The program prepares students for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. The program is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). Students select from one of two areas of specialization: Sport Leadership or Exercise Science. Within the Sport Leadership specialization, students select either a Coaching or Recreation option, while students interested in Exercise Science specialization, select one of three options: Human Performance, Strength and Conditioning, or Children's Physical Activity and Movement. While in the program, students are encouraged to complete professional certification(s) within their specialization. Students are provided with a mix of course content and practical field and laboratory experiences.
Select four courses from the following list (must see electives):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4002</td>
<td>Outdoor and Leisure Activities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4050C</td>
<td>Motor Development and Learning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4552</td>
<td>Exercise Prescription for Special Populations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Coaching Specific Class

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEO 2924</td>
<td>Coaching Basketball</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 3324</td>
<td>Coaching Volleyball</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 3644</td>
<td>Coaching Football</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

A2. Recreation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4002</td>
<td>Outdoor and Leisure Activities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4041</td>
<td>Administration and Evaluation in Sport and Fitness</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSM 3100</td>
<td>Aquatic Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSM 3200</td>
<td>Sports &amp; Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSM 3415</td>
<td>Public Relations in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSM 3504</td>
<td>Fiscal and Facilities: Issues in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSM 4723</td>
<td>Legal Issues in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

B. Exercise Science Specialization

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 376C</td>
<td>Exercise Physiology Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 201C</td>
<td>Athletic Injuries: Mechanisms and Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Strength and Conditioning Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4050C</td>
<td>Motor Development and Learning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4552</td>
<td>Exercise Prescription for Special Populations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

B2. Strength and Conditioning

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 201C</td>
<td>Athletic Injuries: Mechanisms and Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Strength and Conditioning Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4050C</td>
<td>Motor Development and Learning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4083</td>
<td>Personal Training Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSM 4723</td>
<td>Legal Issues in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

B3. Children’s Physical Activity & Movement

- Complete the following required courses and meet with advisor for electives.
  
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEO 3041</td>
<td>Games Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3850C</td>
<td>Motor Development and Learning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4710</td>
<td>Methods for Physical Activity for Children and Adolescents</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select four courses from the following list (must see advisor):

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSM 3204</td>
<td>Sports and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSM 3415</td>
<td>Public Relations in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3768</td>
<td>Group Exercise Instruction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Strength and Conditioning Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4030</td>
<td>Planning Creative Activities in Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4060</td>
<td>Classroom Management and Guidance 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>
</tbody>
</table>

5. Restricted Electives

- None

6. Capstone Requirements (12 hrs)

- 1 PET 3137 Concepts and Practices in Sport and Exercise Science | 3 hrs

Select 1:

- PET 4926 Sport and Exercise Science Practicum or | 9 hrs
  Take 3 additional electives in the program approved by the advisor

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)

- (14-34 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 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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
### Statistics (B.S.)

**College of Sciences**

**Department of Statistics, Computer Center II, Room: 212**


**E-mail:** statistics@ucf.edu

Dr. David Nickerson, 407-823-5528

407-823-2289

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**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.

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### 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 Courses** (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)
- **SPM 3504** Fiscal and Facilities: Issues in Sport and Exercise Science (3 hrs)
- **Specialization/elective courses** (9 hrs)

#### Senior Year - Fall

- **PET 4926** Sport and Exercise Science Practicum or 9 hours of courses in major (9 hrs)
- **9 hours of courses in major** (9 hrs)

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### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

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.
- STA 2023 Statistical Methods I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

1. UCF General Education Program (GEP) (39 hrs)
- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Required:
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Required:
- PHY 2053C College Physics I 4 hrs

Complete two laboratory courses designed for science majors:
- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- PHY 2053C College Physics I or 4 hrs
- PHY 2054C College Physics II 4 hrs

2. Common Program Prerequisites (CPP) (15 hrs)

See "Common Prerequisites" in the Transfer and Transitions Services section for more information, including possible substitutes.

Required:
- 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 majors:
- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.
- BSC 2010C Biology I or 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- PHY 2053C College Physics I or 4 hrs
- PHY 2054C College Physics II 4 hrs

3. Core Requirements: Basic Level (12 hrs)

Required:
- 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)

Required:
- STA 4102 Computer Processing of Statistical Data 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- STA 4216 Statistical Methods II 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4522 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
- MIF 3302 Logic and Proof in Mathematics 3 hrs

Select 4:
- STA 3096 Statistical Graphics or 3 hrs
- STA 4173 Biostatistical Methods or 3 hrs
- STA 4183 Theory of Interest or 3 hrs
- STA 4184 Introduction to Derivative Markets or 3 hrs
- STA 4186 Theory of Derivative Pricing or 3 hrs
- STA 4222 Sample Survey Methods or 3 hrs
- STA 4502 Nonparametric Statistical Methods or 3 hrs
- STA 4504 Categorical Data Analysis or 3 hrs
- STA 4664 Statistical Quality Control or 3 hrs
- STA 4852 Applied Time Series 3 hrs

5. Restricted Electives (6 hrs)

Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.

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

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

Certificates

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.
- 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
- 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

Sophomore Year - Fall
- STA 4521 Statistical Theory I – 3 hrs
- Restricted Elective – 3 hrs
- Restricted Elective – 3 hrs
- Core Course – 3 hrs
- Core Course – 3 hrs

Junior Year - Fall
- STA 4163 Statistical Methods II – 3 hrs
- ECO 2013 Principles of Macroeconomics – 3 hrs

Senior Year - Fall
- COT 4500 Numerical Calculus – 3 hrs
- STA 4102 Composition I – 3 hrs
- Core Course – 3 hrs
- Core Course – 3 hrs
- ENC 3241 Writing for the Technical Professional – 3 hrs

Technical Education and Industry Training (B.S.)

College of Education
Department of Educational and Human Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/

Dr. Jo Ann M. Whiteman, ED 123 N, 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://distbn.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)

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
- (9 hrs)

C: Mathematical Foundations
- (6 hrs)

D: Social Foundations
- (6 hrs)

E: Science Foundations
- (6 hrs)

2. Common Program Prerequisites (CPP)
- EDF 2005 Introduction to the Teaching Profession – 3 hrs
- EDF 2085 Introduction to Diversity for Educators – 3 hrs
- EME 2040 Introduction to Technology for Educators – 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level
- ADE 4382 Teaching Adult Learners in Technical Programs – 3 hrs
- ECT 3062 Professional Role of the Vocational Teacher – 3 hrs
- ECT 3365 General Methods/Testing Evaluation in Career & Technical Education – 3 hrs
- ECT 3367 Evaluation of Vocational Instruction – 3 hrs
- ECW 3564 Special Populations in Career & Technical Education – 3 hrs
UCF Degree Programs

ECT 4004  Principles and Practices of Technical Education  3 hrs
ECT 4184  Curriculum Development Techniques for Industry Training  3 hrs
ECT 4384  Advanced Teaching Techniques for Vocational Education  3 hrs

Select 1:  3 hrs
BTE 4410  Course Construction in Business Education  3 hrs
or  
ECW 3312  Course Construction in Health Occupations Education  3 hrs
or  
ECT 3371  Course Construction in Industrial Education  3 hrs

Technical Specialization Requirements (30 hrs)
- Students must complete an area specialization through one of the following routes:
  - Occupation-specific courses
  - Recognized occupational license/registration/certification
  - Occupational examination
  - Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit. Appropriate documentation must be provided to advisor before this will be submitted for credit.

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.

5. Restricted Electives (18 hrs)

Upper Division Electives (6 hrs)
- With advisor’s approval

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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  15 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- STA 1060C  Basic Statistics Using Microsoft Excel or STA 2014C  Principles of Statistics  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- Social Foundations Course  3 hrs
- Cultural-Historical Foundations Course  3 hrs

Freshman Year - Spring  15 hrs
- ENC 1102  Composition II  3 hrs
- STA 2014C  Principles of Statistics  3 hrs
- Cultural-Historical Foundations Course  3 hrs
- Social Foundations Course  3 hrs

Sophomore Year - Fall  12 hrs
- EDF 2005  Introduction to the Teaching Profession  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs
- Technical Specialization Course  3 hrs
- Science Foundations Course  3 hrs
- Foreign Language Course (if needed)  4 hrs

Sophomore Year - Spring  12 hrs
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- Technical Specialization Course  3 hrs
- Technical Specialization Course  3 hrs
- Science Foundations Course  3 hrs
- Foreign Language Course (if needed)  4 hrs

Sophomore Year - Summer  6 hrs
- ECW 3364  Special Populations in Career & Technical Education  3 hrs

Select 1:  3 hrs
- ECW 3312  Course Construction in Health Occupations Education
- ECT 3371  Course Construction in Industrial Education

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.oelas.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 also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.
- An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.
- Design & Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student’s best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See http://www.theatre.ucf.edu.
- All Acting students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design & Technology and Stage Management students must submit a resume, personal photo (formal head shot not required), three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The BFA plan of study requires a fail 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, 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 conservative 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 completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.
- Design & Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

1. UCF General Education Program (GEP)  (36 hrs)
   A: Communication Foundations  (9 hrs)
   B: Cultural & Historical Foundations  (9 hrs)
   1 Required THE 2020 Survey of Theatre for Majors  3 hrs
   2 Required ARH 2051 History of Western Art II  3 hrs
UCF Degree Programs

1. This course is only taught during the fall semesters.
2. Design & Technology Students select ARH 2051 (History of Western Art II).

C: Mathematical Foundations (6 hrs)
1. Required MGF 1106 Finite Mathematics 3 hrs
   Required STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   (May substitute for a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
1. THE 2020 Survey of Theatre for Majors GEP 3 hrs
1. THE 2304 Script Analysis 3 hrs
   THE 2090L Theatre Participation-Management I 1 hr
   TPA 2290L Theatre Participation-Production I 1 hr
   1. TPA 3310C Directing for Theatre I 3 hrs

Acting (3 hrs)
   ■ Acting specialization take Acting I. Design & Technology Students select TPA 2000C.
   TPP 2110C Acting I - Introduction or
   TPP 2010C Fundamentals of Acting 3 hrs
   TPP 2101 Acting II - The Actor Prepares 3 hrs
   or
   TPA 2210 Stagecraft I 3 hrs

Acting II or Stagecraft II (3 hrs)
   ■ Acting Specialization take Acting II. Design & Technology and Stage Management select 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, TPF Prefix) 3 hrs
   1. *See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (9 hrs)
   THE 3311 Theatre History and Dramatic Literature I 3 hrs
   THE 3312 Theatre History and Dramatic Literature II 3 hrs
   THE 3313 Theatre History and Dramatic Literature III 3 hrs
   THE 2081C Introduction to UCF Theatre 0 hrs
   THE 4954 Theatre Exit Critique 0 hrs

4. Core Requirements: Advanced Level (64 hrs)
   Specialization: select one area
   Acting Specialization (61 hrs)
   TPA 2248C Makeup Techniques and 2 hrs
   DAA 2200C Ballet I and 2 hrs
   TPP 2710C Voice Production I and 2 hrs
   TPP 3172C Acting III - Building the Character and 3 hrs
   TPA 3510C Movement for the Actor I and 2 hrs
   TPA 3513C Movement for the Actor II and 2 hrs
   TPP 4512C Stage Combat and 2 hrs
   TPA 3257C Musical Theatre Voice I and 2 hrs
   TPA 3258C Musical Theatre Voice II and 2 hrs
   TPA 3711C Voice Production II and 2 hrs
   TPA 3712C Voice Production III and 2 hrs
   TPA 4730C Dialects and 2 hrs
   TPP 440C Acting IV - Creating the Role and 3 hrs
   TPA 4142C Acting Verse and 3 hrs
   TPA 4265C Camera Acting and 3 hrs
   TPA 4531C Period Movement and 2 hrs
   TPP 4221 Auditioning and 3 hrs
   TPA 4223C Theatre Careers for Performance and 3 hrs
   TPA 2190L Theatre Participation-Performance I and 1 hr
   TPA 4940L Theatre Internship and 6 hrs
   Restricted Electives (see list of courses) 12 hrs

Select 1: 2 hrs
   DAA 2570C Jazz Dance I or 2 hrs
   DAA 2100C Modern Dance I 2 hrs

Select 1: 1 hr
   TPA 4293L Theatre Participation-Production II or 1 hr
   THE 4093L Theatre Participation-Management II or 1 hr
   TPA 4193L Theatre Participation-Performance II or 1 hr

Stage Management Specialization (61 hrs)
   TPA 2210L Stagecraft I Lab and 1 hr
   TPA 2211L Stagecraft II Lab and 1 hr
   1. TPA 4293L Theatre Participation-Production II and 1 hr
   1. TPA 4293L Theatre Participation-Production II and 1 hr
   TPA 4400 Theatre Management and 3 hrs
   TPA 2010C Scenography and 3 hrs
   TPA 2220C Stage Electronics and 3 hrs
   TPA 2600 Service Management Basics and 3 hrs
   TPA 3601 Stage Management and 3 hrs
   TPA 4602 Advanced Stage Management and 3 hrs
   TPA 3195L Summer Theatre Studio/ThCol1 Design I and 3 hrs
   TPA 3197L Summer Theatre Studio/ThCol1 Design II and 3 hrs
   THE 2848 Period Costume, Architecture, and Decor I and 3 hrs
   THE 2848 Period Costume, Architecture, and Decor II and 3 hrs
   TPA 4401C Theatre Careers in Production and 3 hrs
   TPA 4500C Stage Management for Theatre and 3 hrs
   TPA 3103 Intermediate Acting and 3 hrs
   TPA 2170C Introduction to Theatre Production 2 hrs
   TPA 2300C Costume Design for Theatre I or TPA 3040C 3 hrs
   Design Electives (see list of courses) 8 hrs

Select 1: 3 hrs
   TPA 3221C Lighting Design for Theatre I or 3 hrs
   TPA 3260C Sound Design for Theatre I 3 hrs

Design & Technology Specialization (64 hrs)
   ARH 2051 History of Western Art II and 3 hrs
   TPA 2210L Stagecraft I Lab and 1 hr
   TPA 2211L Stagecraft II Lab and 1 hr
   1. TPA 4293L Theatre Participation-Production II and 1 hr
   1. TPA 4293L Theatre Participation-Production II and 1 hr
   TPA 4400 Theatre Management and 3 hrs
   TPA 2010C Scenography and 3 hrs
   TPA 2220C Stage Electronics and 3 hrs
   TPA 2600 Service Management Basics and 3 hrs
   TPA 3601 Stage Management and 3 hrs
   TPA 4602 Advanced Stage Management and 3 hrs
   TPA 3195L Summer Theatre Studio/ThCol1 Design I and 3 hrs
   TPA 3197L Summer Theatre Studio/ThCol1 Design II and 3 hrs
   THE 2848 Period Costume, Architecture, and Decor I and 3 hrs
   THE 2848 Period Costume, Architecture, and Decor II and 3 hrs
   TPA 4401C Theatre Careers in Production and 3 hrs
   TPA 4500C Stage Management for Theatre and 3 hrs
   TPA 2300C Costume Design for Theatre I or TPA 3040C 3 hrs
   Design Electives (see list of courses) 9 hrs

1. This course is taken twice

5. Restricted Electives
   ■ (except where required for a specialization - see specializations for credit hours)
11. Departmental Exit Requirements

- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF
- Computer Competency met by STA 1060C, TPA 4250C, or a computer science course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 129

Honors In Major
- None

Related Programs
- 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.
  - 1 TPP 3310C Directing for Theatre 3 hrs
  - 1 Or any introductory Theatre Directing course.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
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 for 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 renewal 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 departmental advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a departmental advisor may lead to release from the program.

Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

- 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 participation credits will count toward electives.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- THE 2304 Script Analysis 3 hrs
- THE 2090L Theatre Participation-Management I 1 hr
- TPA 2201 Technical Theatre Production 2 hrs
- TPA 2201L Technical Theatre Production Lab 1 hr
- TPP 3310C Directing for Theatre I 3 hrs
- TPP 2110C Acting I - Introduction 3 hrs
- TPP 2170C Acting II - The Actor Prepares 3 hrs
- Theatre Elective (THE, TTP, TPA prefix) 3 hrs

1 (May substitute a higher math)

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 See Transfer Notes for possible substitutes.

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- 1 THE 2020 Survey of Theatre for Majors GEP
- 1 THE 2304 Script Analysis 3 hrs
- THE 2090L Theatre Participation-Management I 1 hr
- TPA 2201 Technical Theatre Production 2 hrs
- TPA 2201L Technical Theatre Production Lab 1 hr
- TPP 3310C Directing for Theatre I 3 hrs
- TPP 2110C Acting I - Introduction 3 hrs
- TPP 2170C Acting II - The Actor Prepares 3 hrs
- Theatre Elective (THE, TTP, TPA prefix) 3 hrs

3. Core Requirements: Basic Level (20 hrs)

- MUP 1121 Music Theory and Musicianship I 4 hrs
- MUP 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 4269C 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 4533C Musical Theatre Acting II 3 hrs
TPP 4512C Stage Combat 2 hrs
TPP 4193L Theatre Participation-Performance II 1 hr
TPA 4293L Theatre Participation-Production II 1 hr
THE 4093L Theatre Participation-Management II 1 hr
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)
TPA 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 3012 Dance Improvisation/Competition 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 2390C World Dance 2 hrs
DAA 3645 Choreography Practicum 2 hrs
TPP 4730C Dialects 2 hrs
TPP 4142C Acting Verse 3 hrs
TPP 2465C Camera Acting 3 hrs
TPP 4368C Acting VII Advanced Acting For TV/Film 3 hrs
THE 4230 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 3197L Summer Theatre/Performance 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 3383 Taboo 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 3905 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
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces 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
Certificates
■ None
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:
UCF Degree Programs

THE 2304  Script Analysis  3 hrs
TPA 2201  Technical Theatre Production  2 hrs
TPA 2200  Technical Theatre Production  2 hrs
TPP 3310C  Directing for Theatre I  3 hrs

1 may use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and may still need to be taken.

Plan of Study
- None

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

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.

- All BA Theatre Studies students must register for three semesters of Theatre Participation in addition to the Technical Theatre Production Lab. One Participation credit must be as part of a run crew. One Participation credit must be as part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.
- All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “D” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated in 1 (General Education Program) are usually completed in the first 50 hours.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required: THE 2020  Survey of Theatre for Majors 3 hrs
   Select one course from 1.B.1 list 3 hrs
   Select one course from 1.B.2 list 3 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1) THE 2020  Survey of Theatre for Majors 3 hrs
   THE 2304  Script Analysis 3 hrs
   THE 2090L  Theatre Participation-Management I 1 hr
   TPA 2200L  Theatre Participation-Production I 1 hr
   TPA 2201L  Technical Theatre Production 2 hrs
   TPA 2200L  Technical Theatre Production Lab 1 hr
   TPA 2310C  Directing for Theatre I 3 hrs
   TPP 2700C  Stage Speech/Voice 3 hrs
   TPP 2101  Fundamentals of Acting 3 hrs
   Theatre Elective (THE, TPP, TPA Prefix) 3 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (10 hrs)
   THE 3311  Theatre History and Dramatic Literature I 3 hrs
   THE 3312  Theatre History and Dramatic Literature II 3 hrs
   THE 3313  Theatre History and Dramatic Literature III 3 hrs
   THE 2081C  Introduction to UCF Theatre 0 hrs
   THE 4954  Theatre Exit Critique 0 hrs
   Select 1: 1 hr
   TPA 4293L  Theatre Participation-Production II or 1 hr
   THE 4093L  Theatre Participation-Management II 1 hr
   TFP 4193L  Theatre Participation-Performance II 1 hr

5. Restricted Electives (16 hrs)
   Select 16 hours from the following:
   THE 4230  Cultural Diversity in Theatre 3 hrs
   THE 3082  Theatre Careers 3 hrs
   TPP 4143C  Acting Styles 3 hrs
   TPP 3264C  Acting on Camera 3 hrs
   THE 2025  Introduction to Theatrical Design 3 hrs
   THE 3240  Musical Theatre Survey 3 hrs
   THE 4230L  Theatre Participation-Management II 1 hr
   TPA 4293L  Theatre Participation-Production II 1 hr

1 may substitute a higher level math

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (10 hrs)
   THE 3311  Theatre History and Dramatic Literature I 3 hrs
   THE 3312  Theatre History and Dramatic Literature II 3 hrs
   THE 3313  Theatre History and Dramatic Literature III 3 hrs
   THE 2081C  Introduction to UCF Theatre 0 hrs
   THE 4954  Theatre Exit Critique 0 hrs
   Select 1: 1 hr
   TPA 4293L  Theatre Participation-Production II or 1 hr
   THE 4093L  Theatre Participation-Management II 1 hr
   TFP 4193L  Theatre Participation-Performance II 1 hr

5. Restricted Electives (16 hrs)
   Select 16 hours from the following:
   THE 4230  Cultural Diversity in Theatre 3 hrs
   THE 3082  Theatre Careers 3 hrs
   TPP 4143C  Acting Styles 3 hrs
   TPP 3264C  Acting on Camera 3 hrs
   THE 2025  Introduction to Theatrical Design 3 hrs
   THE 3240  Musical Theatre Survey 3 hrs
   THE 4230L  Theatre Participation-Management II 1 hr
   TPA 4293L  Theatre Participation-Production II 1 hr

1 may substitute a higher level math

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (10 hrs)
   THE 3311  Theatre History and Dramatic Literature I 3 hrs
   THE 3312  Theatre History and Dramatic Literature II 3 hrs
   THE 3313  Theatre History and Dramatic Literature III 3 hrs
   THE 2081C  Introduction to UCF Theatre 0 hrs
   THE 4954  Theatre Exit Critique 0 hrs
   Select 1: 1 hr
   TPA 4293L  Theatre Participation-Production II or 1 hr
   THE 4093L  Theatre Participation-Management II 1 hr
   TFP 4193L  Theatre Participation-Performance II 1 hr

5. Restricted Electives (16 hrs)
   Select 16 hours from the following:
   THE 4230  Cultural Diversity in Theatre 3 hrs
   THE 3082  Theatre Careers 3 hrs
   TPP 4143C  Acting Styles 3 hrs
   TPP 3264C  Acting on Camera 3 hrs
   THE 2025  Introduction to Theatrical Design 3 hrs
   THE 3240  Musical Theatre Survey 3 hrs
   THE 4230L  Theatre Participation-Management II 1 hr
   TPA 4293L  Theatre Participation-Production II 1 hr
1. Theatrical Participation—Performance II 1 hr
1. The 5307 Contemporary Theatre Practice 3 hrs
1. TPA 2248C Makeup Techniques 2 hrs
THE 4284 Period Costume, Architecture, and Decor I 3 hrs
THE 4285 Period Costume, Architecture, and Decor II 3 hrs
TPA 3195L Summer Theatre Studio/Techno/Design I 3 hrs
TPA 3197L Summer Theatre Studio/Techno/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 encouraged from taking excess hours and should consider total credit hours required when selecting a minor. Students are free to pursue any minor open to them, but are encouraged to participate in the department’s Associated Minor program which provides additional career advising support targeted at specific career paths. Please see the departmental handbook for a more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Theatre course.
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
- Complete an Exit Survey, and Exit Interview/Audit Check the semester prior to final semester of theatre classes.
- Minimum of 30 theatre credits must be completed in residency at UCF.
- Computer competency met by the following or Computer Science Course:
  STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Film
- Music
- Theatre

Certificates
- None

Related Minors
- Art—Studio
- Music
- Film—Cinema Studies
- Theatre
- Dance

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
1. THE 2020 Survey of Theatre for Majors 3 hrs
may be substituted with:
THE 2304 Script Analysis 3 hrs
may be substituted with: THE 2300
THE 2304 Script Analysis 3 hrs
may be substituted with: THE 3305
TPA 2201 Technical Theatre Production 2 hrs
may be substituted with: TPA 2210
TPA 2201 Technical Theatre Production 2 hrs
may be substituted with: TPA 2200
TPP 3101C Directing for Theatre I 3 hrs
may be substituted with: TPP 3200
2. TPP 2101 Fundamentals of Acting 3 hrs
may be substituted with:
1 may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
2 may use any introductory acting course

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_comparats.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
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 | Leadership Studies |
| Actuarial Science | Legal Studies |
| Aerospace Studies | Magazine Journalism |
| African American Studies | Marketing |
| Aging Studies | Mass Communication |
| American Studies | Mass Culture and Collective Behavior |
| Anthropology | Mathematics |
| Anthropology in Multicultural Studies | Mathematics Education |
| Art - Studio | Medical Anthropology |
| Art History | Medical Sociology |
| Asian Studies | Medieval and Renaissance Studies |
| Astronomy | Middle Eastern Studies |
| Bioengineering | Military Science |
| Biology | Music |
| Biomedical Sciences | Nonprofit Management/American Humanics |
| Business | National Certification Program |
| Chemistry | North American Indian Studies |
| Coaching | Performing Arts Administration |
| Cognitive Sciences | Philosophy |
| Communication Sciences and Disorders | Philosophy, Religion and Popular Culture |
| Community Arts - PAVE | Physics |
| Computer Science | Political Science |
| Crime, Law, and Deviance | Political Science/Prelaw |
| Criminal Justice | Psychology |
| Dance | Public Administration |
| Digital Media | Real Estate |
| Diversity and Social Inequality | Recreation |
| Early Childhood Development and Education | Religious Studies |
| Economic Policy | Science Education |
| Economics | Secure Computing and Networks |
| Education | Social Science Education |
| Emergency Management and Homeland Security | Sociology |
| Energy and Sustainability | Sociology - Spanish |
| Engineering Leadership | Sport Business Management |
| English - Creative Writing | Statistics |
| English - Linguistics | Technical Education and Industry Training |
| English - Literature | Technological Entrepreneurship |
| English - Technical Communication | Theatre |
| English Language Arts Education | Urban and Regional Planning |
| Entrepreneurship | Women’s Studies |
| Environmental Studies | World Comparative Studies |
| European Studies | Writing and Rhetoric |
| Exceptional Education | Certificates |
| Film - Cinema Studies | Aging Studies Certificate |
| Finance | Behavioral Forensics Certificate |
| Fitness Training | Children’s Services Certificate |
| Foreign Language Education | Crime Analysis and Crime Mapping Certificate |
| French | Crime Scene Investigation Certificate |
| German | Criminal Profiling Certificate |
| Health Informatics and Information Management | Cultural Tourism Certificate |
| Health Sciences | Diplomacy Certificate |
| Health Services Administration | Educational Studies Certificate |
| History | Finance: Banking Certificate |
| Hospitality Management | Finance: Corporate Finance Certificate |
| Humanities | Finance: Investments Certificate |
| Information Technology | Judaic Studies Certificate |
| Intelligent Robotic Systems | Language Development and Disorders Certificate |
| Interdisciplinary Informatics Technology | Leadership Studies Certificate |
| International and Global Studies | Marketing: e-Marketing Certificate |
| International Business | Marketing: Entertainment Marketing Certificate |
| Interpersonal/Organizational Communication | Marketing: Retailing Management Certificate |
| Italian | Marketing: Selling and Sales Management Certificate |
| Journalism Studies | Museums Certificate |
| Judaic Studies | Nonprofit Management Certificate |
| Latin American Area Studies | Online 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
http://web.bus.ucf.edu/academics/accounting/
407-823-2144

For Business and Non-Business Majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs

Select 1:
- May not be counted as an elective if selected as a required course.
- ACG 3313 Intermediate Financial Accounting I or 3 hrs
- ACG 3361 Cost Accounting I 3 hrs

Restricted Electives (12 hrs)

Select 4:
- At least two courses must have either an ACG or TAX prefix
- ACG 3133 Intermediate Financial Accounting I 3 hrs
- ACG 3361 Cost Accounting I 3 hrs
- ACG 3314 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
- 21

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Actuarial Science - Minor
College of Sciences
Department of Statistics, Computer Center II,
Room: 212
http://statistics.cos.ucf.edu/
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.

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.

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)

- 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

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Any course substitutions must be approved by the program coordinator in advance of their being taken.

Minors
### African American Studies - Minor

**College of Arts and Humanities**

Program in African American Studies, Colbourn Hall, Room: 411  

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)**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AFA 3104</td>
<td>The Black Intellectual Experience</td>
<td>3 hrs</td>
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<tr>
<td>AMH 3571</td>
<td>Black American History I</td>
<td>3 hrs</td>
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**Restricted Electives (12 hrs)**

- Additional courses may be used only with the prior permission of the program director.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3102</td>
<td>Black Perspectives: A Multidisciplinary Approach</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 2300</td>
<td>African American Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3955</td>
<td>Study Abroad in Eastern Caribbean</td>
<td>6 hrs</td>
</tr>
<tr>
<td>AMH 3572</td>
<td>Black American History II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 3520</td>
<td>African Art</td>
<td>3 hrs</td>
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<tr>
<td>INR 3253</td>
<td>International Politics of Africa</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3831</td>
<td>Black Cinema</td>
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<tr>
<td>LAH 3470</td>
<td>History of the Caribbean</td>
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<tr>
<td>LAS 4023</td>
<td>African Caribbean Experience</td>
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<td>LIT 3192</td>
<td>Caribbean Literature</td>
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<td>MUL 2016</td>
<td>Evolution of Jazz</td>
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</tr>
<tr>
<td>POS 4622</td>
<td>Politics and Civil Rights</td>
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<tr>
<td>PUP 3314</td>
<td>Minorities in American Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3724</td>
<td>Psychology of Prejudice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3700</td>
<td>Race and Ethnicity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 4105</td>
<td>Documenting African American Heritage and Life</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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.

**Prerequisite Courses**
- None

**Required Courses (6 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEY 3001</td>
<td>Gerontology: An Interdisciplinary Overview</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select One:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3951</td>
<td>Undergraduate Field Work</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4510</td>
<td>Field Education</td>
<td>9 hrs</td>
</tr>
<tr>
<td>SOW 4941</td>
<td>Internship</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

- For full-time students
- 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4220</td>
<td>Long Term Patient Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3222</td>
<td>Long Term Care and Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4564</td>
<td>Health Care Needs of the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4530</td>
<td>Legal Issues of the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4645</td>
<td>Social Services for the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4286</td>
<td>Gerontologic Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 3740</td>
<td>Social Work Practice with Loss &amp; Life’s Transitions</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Colleges**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>DEP 3464</td>
<td>Psychology of Aging</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4730</td>
<td>Patterns of Aging in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEY 5007</td>
<td>Women and Healthy Aging</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4732</td>
<td>Minority Aging</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Open to undergraduates with senior standing

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18
American Studies - Minor

The American Studies minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the American Studies minor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- 9 hrs
  - Select 1: 3 hrs
    - AML 3031 American Literature I or
    - AML 4101 American Novel or
    - AML 4261 Literature of the South or
    - AML 3682 Ethnic Literature in America

Foreign Language Requirements
- None

Social Sciences
- 3 hrs
  - Select 1: 3 hrs
    - 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: 3 hrs
    - ANH 3561 Women in American History I or
    - ANH 4110 Colonial America, 1607-1763 or
    - ANH 4130 The Age of the American Revolution, 1763-1789 or
    - ANH 4311 American Culture I or
    - ANH 4313 American Culture II

Restricted Electives
- (12 hrs)
  - 12 additional upper level hours. Select courses not already used from lists above.

Restricted Electives (15 hrs)
- A. Concentration in General Anthropology
  - 15 hrs
  - Complete at least four of the following courses; 12 hrs
    - ANT 2140 Archaeology and the Rise of Human Culture
    - ANT 2410 Cultural Anthropology
    - ANT 2511 The Human Species
  - 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
  - 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 3160 Americas Before Columbus or
    - ANT 3161 Archaeology of Mexico or
    - ANT 3163 Mesoamerican Archaeology or
    - ANT 3164 Ancient Incas or
    - ANT 3165 Archaeology of South America or
    - ANT 3168 Maya Archaeology or
    - ANT 3173 Archaeology of Sex or
    - ANT 3177 Archaeology of Caribbean Piracy or
    - ANT 4144 Prehistory of North America or
    - ANT 4153 North American Archaeology or
    - ANT 4180C Seminar in Laboratory Analysis or
    - ANT 4183 Archaeological Sciences or
    - ANT 4184 Mortuary Archaeology or
    - ANT 4824 Advanced Archaeological Fieldwork or
    - ANG 5822 Maya Field Research or
    - ANG 5166 Problems in Maya Studies or
    - ANG 5167 Maya Hieroglyphs or
    - ANG 5228 Maya Iconography

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (2.0) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

Other Requirements
- At least 18 hours used in the minor must be earned at UCF.
- No more than 9 hours may be taken in one area.

Internship, Co-op, or Independent Study credit cannot be used toward the minor.

No credit by exam (TSD, Military credit) may be used.

At least 12 hours used in the minor must be earned at UCF within the minor.

Students must earn at least a “C” (2.0) in each course used to satisfy the minor.

The minor is not open to Anthropology majors.

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
  - 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 3160 Americas Before Columbus or
    - ANT 3161 Archaeology of Mexico or
    - ANT 3163 Mesoamerican Archaeology or
    - ANT 3164 Ancient Incas or
    - ANT 3165 Archaeology of South America or
    - ANT 3168 Maya Archaeology or
    - ANT 3173 Archaeology of Sex or
    - ANT 3177 Archaeology of Caribbean Piracy or
    - ANT 4144 Prehistory of North America or
    - ANT 4153 North American Archaeology or
    - ANT 4180C Seminar in Laboratory Analysis or
    - ANT 4183 Archaeological Sciences or
    - ANT 4184 Mortuary Archaeology or
    - ANT 4824 Advanced Archaeological Fieldwork or
    - ANG 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

Required Courses
- (3 hrs)
  - ANT 2140 Archaeology and the Rise of Human Culture

Restricted Electives (15 hrs)
- A. Concentration in General Anthropology
  - 15 hrs
  - 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 3160 Americas Before Columbus or
    - ANT 3161 Archaeology of Mexico or
    - ANT 3163 Mesoamerican Archaeology or
    - ANT 3164 Ancient Incas or
    - ANT 3165 Archaeology of South America or
    - ANT 3168 Maya Archaeology or
    - ANT 3173 Archaeology of Sex or
    - ANT 3177 Archaeology of Caribbean Piracy or
    - ANT 4144 Prehistory of North America or
    - ANT 4153 North American Archaeology or
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    - ANT 4183 Archaeological Sciences or
    - 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.
Minors

ANT 4462  Medical Anthropology or 3 hrs
1 ANT 4467  Nutritional Anthropology or 3 hrs
ANT 4516  Human Biological Diversity or 3 hrs
ANT 4521  Forensic Anthropology or 3 hrs
ANT 4525C  Human Osteology or 4 hrs
ANT 4528C  Advanced Forensic Anthropology or 5 hrs
ANT 4560  Anthropological Perspectives on Human Growth or 3 hrs
ANT 4566  Human Origins or 3 hrs
ANG 5742  Problems in Forensic Anthropology 3 hrs

* or its graduate equivalent.

D. Concentration in Cultural Anthropology 15 hrs
ANT 2410  Cultural Anthropology 3 hrs

Complete at least four of the following courses; 12 hrs
ANT 3152  Indians of the Southwest or 3 hrs
ANT 3164  Ancient Incas or 3 hrs
ANT 3212  Peoples of the World or 3 hrs
ANT 3241  Magic, Ritual, and Belief or 3 hrs
ANT 3245  Native American Religions or 3 hrs
ANT 3262  Rural Society or 3 hrs
ANT 3273  Law and Culture or 3 hrs
ANT 3302  Sex, Gender and Culture or 3 hrs
ANT 3311  Indians of the Southeastern United States or 3 hrs
ANT 3312  Ethnology of North American Indians or 3 hrs
ANT 3313  Indians of North America High Plains or 3 hrs
ANT 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
ANT 3701  Applied Anthropology or 3 hrs
ANT 4702  Culture, Power and Development or 3 hrs
ANT 4802  Ethnographic Field Methods or 3 hrs
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
ANT 3319  Anthropology of Diaspora or 3 hrs
ANT 4034  History of Anthropological Thought or 3 hrs
ANT 4266  Economic Anthropology: Production, Consumption, and Exchange or 3 hrs
ANT 4308  Gender Issues in Latin America or 3 hrs
ANT 4352  African Societies and Cultures or 3 hrs
ANT 4354  Postcolonial Africa or 3 hrs
ANT 4408  Culture, Disease, and Healing or 3 hrs
ANG 5167  Maya Hieroglyphs or 3 hrs
ANG 5228  Maya Iconography or 3 hrs
ANG 5622  Language, Culture and Pedagogy 3 hrs

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: 3 hrs
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 3 hrs
ANT 3241  Magic, Ritual, and Belief 3 hrs
ANT 3245  Native American Religions 3 hrs
ANT 3302  Sex, Gender and Culture 3 hrs
ANT 3312  Ethnology of North American Indians 3 hrs
ANT 3398  Black/Seminoles Relations 3 hrs
ANT 3319  Anthropology of Diaspora 3 hrs
ANT 3541  Biobehavioral Anthropology 3 hrs
ANT 3701  Applied Anthropology 3 hrs
ANT 4266  Economic Anthropology: Production, Consumption, and Exchange 3 hrs
ANT 4308  Gender Issues in Latin America 3 hrs
ANT 4516  Human Biological Diversity 3 hrs
SYD 3700  Race and Ethnicity 3 hrs
1 ANT 4332  People and Cultures of Latin America 3 hrs
1 ANT 3610  Language and Culture 3 hrs
1 ANT 4340  Caribbean Cultures 3 hrs
1 ANT 4303  Anthropology of Tourism 3 hrs
1 ANT 4467  Nutritional Anthropology 3 hrs
1 ANT 4702  Culture, Power and Development 3 hrs
ANT 4408  Culture, Disease, and Healing 3 hrs

1 or its graduate equivalent.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ 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)
ARH 2050  History of Western Art I 3 hrs
ARH 2051  History of Western Art II 3 hrs
ART 2201C  Design Fundamentals-Two Dimensional 3 hrs
ART 2203C  Design Fundamentals-Three Dimensional 3 hrs
ART 2300C  Drawing Fundamentals I 3 hrs
ART 2301C  Drawing Fundamentals II 3 hrs
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

Anthropology in Multicultural Studies - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

This minor develops a student’s understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.
Foreign Language Requirements

- None

Total Semester Hours Required

- 24

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses.

Art History - Minor
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.cah.ucf.edu/
Donna Mercado, 407-823-6100

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 (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
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<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4310</td>
<td>Italian Renaissance Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4430</td>
<td>19th Century Art</td>
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</tr>
<tr>
<td>ARH 4440</td>
<td>20th Century Art</td>
<td>3 hrs</td>
</tr>
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</table>

Non-Western Course Requirement

- 3 hrs

Select 1:

- ARH 3520 African Art or
- ARH 4540 Art of India or
- ARH 4653 Meso American Art
- 3 hrs

Restricted Electives (9 hrs)

- ARH 4200 Medieval Art
- ARH 4350 Baroque Art
- ARH 4800 Theory and Criticism of the Visual Arts
- ARH 4871 Women in Art
- 3 hrs

6 Hours of electives

- Two additional ARH 3XXX-4XXX courses
- 6 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 27

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least two of the required courses must be regularly scheduled 3000-4000 level courses in a single area of specialization in the School of Visual Arts and Design.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.

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 (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3401</td>
<td>Asian Humanities</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (18 hrs)

- Approved courses (see department for listing)

Foreign Language Requirements

- None

- One year or the equivalent proficiency examination (0-8 hrs). Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

Total Semester Hours Required

- 21

Other Requirements

- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

Astronomy - Minor
College of Sciences
Department of Physics, Math and Physics, Room: 310
E-mail: physics@ucf.edu
Dr. Humberto Campins
Phone: 407-823-2325

Minor Admission Requirements

- The minor is not open to Physics majors with an Astronomy specialization.

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
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<tr>
<td>AST 2002</td>
<td>Astronomy</td>
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<td>AST 2002L</td>
<td>Astronomy Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>AST 3110</td>
<td>Solar System Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3211</td>
<td>Stellar Astrophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3402</td>
<td>Galaxies and Cosmology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3722C</td>
<td>Techniques of Observational Astronomy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 Advising Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- 35 hrs
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs
  - PHY 2049C Physics for Engineers 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 Biomechanics or 3 hrs
      - EML 5760 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
- Special requirements and 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 2046L Chemistry Fundamentals Laboratory 1 hr
  - CM 2210 Organic Chemistry I 3 hrs
  - CM 2211 Organic Chemistry II 3 hrs
  - EGN 4941 Internship 1 hr
  - MCB 3020C Molecular Cell Biology 3 hrs
  - MCB 3522 Molecular Biology I or 3 hrs
  - MCB 3703C Human Physiology or 4 hrs
  - PC 3063 Genetics 3 hrs
  - PC 4683 Evolutionary Biology 4 hrs

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](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
- 31

### 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](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 of Chemistry, with a minimum GPA of 2.0.

**Prerequisite Courses**
- Students must satisfy each course's prerequisites before enrolling in the class.

**Required Courses** (20 hrs)
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr

### 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

### Undergraduate Catalog 2011-2012
Minors

Group III:

- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- CHS 4200 Concepts in Industrial Chemistry 3 hrs
- CHS 4615 Environmental Chemistry 3 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3422 Applied Physical Chemistry 3 hrs
- CHM 4220 Organic Chemistry III 3 hrs
- CHM 5225 Advanced Organic Chemistry 3 hrs
- CHM 5235 Applied Molecular Spectroscopy 3 hrs
- CHM 5450 Polymer Chemistry 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 28

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Coaching - Minor

College of Education

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)

- ATR 2010C Athletic Injuries: Mechanisms and Prevention 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 4215 Motivational Aspects of Athlete Performance 3 hrs
- PET 4763 Coaching Methods And Principles 3 hrs
- SPM 3204 Sports and Ethics 3 hrs

Select 1:

- PEO 2624 Coaching Basketball or 3 hrs
- PEO 3644 Coaching Football or 3 hrs
- PEO 3324 Coaching Volleyball 3 hrs

Select 2:

- PEO 3624 Coaching Basketball or 3 hrs
- PEO 3644 Coaching Football or 3 hrs
- PEO 3324 Coaching Volleyball 3 hrs
- PET 3745 Human Performance in Coaching Applications 3 hrs
- CHM 5235 Applied Molecular Spectroscopy 3 hrs
- CHM 5450 Polymer Chemistry 3 hrs

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, neuromaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Note: It is the student’s responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Required Courses (15 hrs)

- Foundation Courses
- Select from at least 4 subject areas.

Neuroscience
- PSB 3002 Physiological Psychology or 3 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSB 4422 Brainwaves and Behavior or 3 hrs
- ZOO 3744 Neurobiology 3 hrs

Philosophy
- PHI 3320 Philosophy of Mind or 3 hrs
- PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
- PHI 3451 Philosophy of Psychology or 3 hrs
- PHI 4341 Ways of Knowing or 3 hrs
- PHI 4400 Philosophy of Science or 3 hrs
- PHI 4935 Topics in Philosophy of Mind 3 hrs

Psychology
- EXP 3204C Perception or 4 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- EXP 4507C Advanced Human Memory and Cognition 3 hrs

Computer Science and Information Technology
- CAP 4453 Robot Vision or 3 hrs
- CAP 4630 Artificial Intelligence or 3 hrs
- EEL 3531 Information Theory or 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 4 hrs

Language and Linguistics
- ANT 3610 Language and Culture or 3 hrs
- LIN 3010 Principles of Linguistics or 3 hrs
- LIN 3716 Language Development or 3 hrs
- LIN 3717 Language Development: 9 - 18 Years or 3 hrs
- PHI 4221 Philosophy of Language or 3 hrs
- PSY 3703 Psychology of Language 3 hrs

Restricted Electives (6 hrs)

- Select 2:
- ANT 3541 Biobehavioral Anthropology or 3 hrs
- ANT 3550 Primatology or 3 hrs
- ANT 3610 Language and Culture or 3 hrs
- ANT 4586 Human Origins or 3 hrs
- CAP 4630 Artificial Intelligence or 3 hrs
- CAP 5015 Multimedia Compression on the Internet or 3 hrs
- CAP 5415 Computer Vision or 3 hrs
- CAP 5512 Evolutionary Computation or 3 hrs
- COP 4520 Concepts of Parallel and Distributed Processing or 3 hrs
- EXP 3204C Perception or 4 hrs
- LIN 4711 Language Analysis or 3 hrs
- LIN 4711L Language Analysis Lab or 1 hr
### Communication Sciences and Disorders - Minor

**College of Health and Public Affairs**  
Department of Communication Sciences and Disorders,  
Health and Public Affairs, Room: 101  
E-mail: advising@mail.ucf.edu

TBA

**Minor Admission Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (19 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 4103</td>
<td>Mathematical Modeling I or II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2101</td>
<td>Formal Logic I or II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2108</td>
<td>Critical Thinking or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3626</td>
<td>Advanced Ethics in Science and Technology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4321</td>
<td>Philosophies of Embodiment: Mind/Body/Self or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3213C</td>
<td>Research Methods in Psychology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PHI 4500</td>
<td>Metaphysics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 4025</td>
<td>The Psychology of Art or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Total Semester Hours Required**
- 19

**Other Requirements**
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- No more than 12 credit hours may be used toward credit for a major and the cognitive sciences minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study requires approval from the advisors to be used toward the minor.

**Foreign Language Requirements**
- None

### Computer Science - Minor

**College of Engineering and Computer Science**  
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346  
[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)  
Dr. Mark Llewellyn, markl@cs.ucf.edu  
Phone: 407-823-3327

**Minor Admission Requirements**
- Not open to Computer Engineering, Computer Science or Information Technology majors.

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (21 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CDA 3103</td>
<td>Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COT 3100C</td>
<td>Introduction to Discrete Structures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAD 2104</td>
<td>Foundations of Discrete Math</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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.
- No credit by exam (TSD, Military credit) may be used toward the minor.

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**Community Arts - PAVE - Minor**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**  
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

**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) in lower level courses are not accepted.
- No credit by exam (TSD, Military credit) may be used toward the minor.

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**Communication Sciences and Disorders - Minor**

[Undergraduate Catalog 2011-2012](http://www.ucf.edu/undergradcatalog/)

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**Computer Science - Minor**

[Undergraduate Catalog 2011-2012](http://www.ucf.edu/undergradcatalog/)

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**Community Arts - PAVE - Minor**

[Undergraduate Catalog 2011-2012](http://www.ucf.edu/undergradcatalog/)
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 cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
SYG 3520  Introduction to Sociology  3 hrs
Required: Complete one of the following:
SYG 2000  Introduction to Sociology  3 hrs
SYG 2010  Social Problems  3 hrs

Restricted Electives (12 hrs)
- Select four courses from the following:
SYP 3510  Sociology of Deviant Behavior  3 hrs
SYP 3511  Sociology of Murder  3 hrs
SYP 3530  Juvenile Delinquency  3 hrs
SYP 3540  Sociology of Law  3 hrs
SYP 3562  Patterns of Domestic Violence in Society  3 hrs
SYP 4514  Patterns of Violence in Society  3 hrs
SYP 4521  Crime Victims in Society  3 hrs
SYP 4536  Gangs and Society  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship 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)
CCJ 3024  Criminal Justice System  3 hrs
CCJ 3014  Crime in America  3 hrs

Restricted Electives (12 hrs)
Select 2:
CJL 3510  Prosecution and Adjudication or
CJC 3010  Corrections and Penology or
CJE 4014  Police and Society  3 hrs

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 a 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)
DAN 3134  Dance History I  3 hrs
DAA 3612  Dance Improvisation/Composition I  3 hrs
DAA 2200C  Ballet I  2 hrs
DAA 3684  Dance Performance  1 hr

Restricted Electives (7 hrs)
DAA 2270C  Jazz Dance I  2 hrs
DAA 2271C  Jazz Dance II  2 hrs
DAA 2252C  Tap Dance I  2 hrs
DAA 2251C  Tap Dance II  2 hrs
DAA 22524  Tap Dance III  2 hrs
DAA 2201C  Ballet II  2 hrs
DAA 3208C  Ballet III  2 hrs
DAA 2101C  Modern Dance II  2 hrs
DAA 3108C  Modern Dance III  2 hrs
DAA 2393C  World Dance  2 hrs
DAA 3645  Choreography Practicum  2 hrs
DAA 3684  Dance Performance  1 hr
TPA 2290L  Theatre Participation-Production I  1 hr

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- Student must consult dance advisor every semester. Students who do not consult with their dance advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor will lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
Digital Media - Minor
College of Arts and Humanities
School of Visual Arts and Design
http://www.svad.cah.ucf.edu
Phone: 407-823-6100

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- COP 2500C Concepts in Computer Science 4 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 3138C Digital Imagery 3 hrs
- DIG 3716C Internet Interaction 3 hrs

Restricted Electives (6 hrs)
- Select two courses:
  - Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.
  - DIG 2485 Visual Language of the Moving Image 3 hrs
  - DIG 2821 Creative Digital Media Problem Solving 3 hrs
  - DIG 3253C Digital Media Audio 3 hrs
  - DIG 3286C Assembling Digital Media 3 hrs
  - DIG 3480C Computer as a Medium 3 hrs
  - DIG 3525 Digital Media Production I 3 hrs
  - DIG 3563 Information Management and Entrepreneurship 3 hrs
  - DIG 4324C Modeling for Realtime Systems II 3 hrs
  - DIG 4455 Interactive Performance II 3 hrs
  - DIG 4503 Rapid Application Web Development 3 hrs
  - DIG 4530C Media for e-Commerce 3 hrs
  - DIG 4630C Media Business Practices 3 hrs
  - DIG 4713 Game Design 3 hrs
  - DIG 4715C Game Production 3 hrs
  - DIG 4780C Modeling for Realtime Systems 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Early Childhood Development and Education - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.ucf.edu
Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of 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)
- SYG 2000 Introduction to Sociology 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
- 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.

Minors
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 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs

Restricted Electives (3 hrs)
Choose one:
- MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
- SCE 4304 Teaching Science and Technology to Young Children 3 hrs
- RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- None

Economics - Minor

College of Business Administration
Department of Economics, Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu
David Scrogin, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

For both Business Majors and non-Business Majors.

The 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

Select 1:
- ECO 3101 Intermediate Microeconomics or 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

Restricted Electives (12 hrs)
Select 4:
- ECO 3223 Money and Banking 3 hrs
- ECO 3704 Global Economic Policy 3 hrs
- ECO 4303 History of Economic Thought 3 hrs
- ECO 4751 Law and Economics 3 hrs
- ECP 3502 Economics and the Environment 3 hrs
- ECP 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” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
Education - Minor
College of Education
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
EDG 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:

IDS 4204C Advanced Topics on Energy and Sustainability 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

IDS 3150 Foundations of Environmental Studies 3 hrs
EGN 4824 Energy and Society 3 hrs
IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs

Select 1:

IDS 4949 Cooperative Education 0 hrs

1 Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.
Minors

**Restricted Electives**

- Select any two elective courses from the following courses:
  - EEL 4216 Fundamentals of Electric Power Systems 3 hrs
  - EML 4411 Mechanical Power Systems 3 hrs
  - EML 4454 Turbines for Sustainable Power 3 hrs
  - EML 4600 HVAC Systems Engineering 3 hrs
  - EML 4602 Applied HVAC Engineering 3 hrs

**Energy Systems Design**

- EIN 4191C Engineering Leadership Seminar I 2 hrs
- EIN 4192C Engineering Leadership Seminar II 2 hrs
- Two Engineering Design courses 6 hrs

**Other Requirements**

- None

**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.

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**English - Creative Writing - Minor**

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**


**E-mail:** english@mail.ucf.edu

Dr. Patrick Murphy, 407-823-5596

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

**Restricted Electives**

- CRW 3053 Theory & Practice of Creative Writing 3 hrs

**Select one course after completing CRW 3013**

- CRW 3120 Fiction Writing Workshop 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- CRW 3310 Poetry Writing Workshop 3 hrs
- CRW 3610 Writing Scripts 3 hrs

**Select one course**

- CRW 4122 Advanced Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs

Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

**Restricted Upper Division Electives--select three**

- CRW 3311 Structure of Verse 3 hrs
- CRW 4114 History of Prose Style 3 hrs
- CRW 4724 The Florida Review 3 hrs
- CRW 4914 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 3890 Cypress Dome editors 3 hrs
- CRW 6806C Teaching Creative Writing 3 hrs
- Any other CRW elective or Special Topics course 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 21

**Other Requirements**

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
English - 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 4680  Modern English Grammar  3 hrs

Restricted Electives (9 hrs)
LIN 4643  Cross Cultural Communication  3 hrs
LIN 4660  Linguistics and Literature  3 hrs
LIN 4801  Language and Meaning  3 hrs
LIN 5137  Linguistics  3 hrs
ANT 3610  Language and Culture  3 hrs
PHI 4400  Philosophy of Science  3 hrs
PHI 4221  Philosophy of Language  3 hrs
SPA 3112  Basic Phonetics  3 hrs
Or any course approved by the Linguistics Committee  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - 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)
ENG 3014  Theories and Techniques of Literature Study  3 hrs

Restricted Electives
English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
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

Restricted Electives
Students completing the minor may intern with a Central Florida corporation

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 Andreason, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-2041

The English Language Arts Education minor is intended for non-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

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.
Minors

Required Courses (18 hrs)
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- 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.cbi.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
  - 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
- 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.
- 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.

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)
- Required Introductory Courses 10 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
  - MAN 3301 Management of Human Resources
- 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
  - MAN 4802 Entrepreneurship

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
- Note: It is the student's responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Courses (3 hrs)
- IDS 3150 Foundations of Environmental Studies 3 hrs

Restricted Electives (18 hrs)

Science & Environmental Electives 9 hrs
- BOT 3152C Local Floras 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 3008 Oceanography 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3442 Aquatic Ecology 3 hrs
- PCB 4302C Physiochemical 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 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 4053C Remote Sensing of the Environment 3 hrs
- PHM 3033 Philosophy, Religion, and the Environment 3 hrs
- PHI 4100 Philosophy of Science 3 hrs
- PHI 4360 Environmental Ethics 4 hrs
- PHI 4633 Ethics and Biological Science 3 hrs
- PHM 4031 Environmental Philosophy 3 hrs
- PLA 4554 River Ecosystems 3 hrs
- △ ECP 3302 Economics and the Environment 3 hrs
- △ ECP 4303 Environmental and Natural Resource Economics 3 hrs

Note: It is the student’s responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A grade of "C" or above (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- 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.
- At least 6 credit hours (separate from the foreign language requirement) may be used toward the Environmental 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: 3 hrs
- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

Select at least 3 credits from this grouping: 3 hrs
- ENL 2022 English Literature II or
- ENL 4101 English Novel or
- ENL 4240 English Romantic Writers or
- ENL 4262 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 Germany - 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

### Exceptional Education - Minor

**College of Education**

**Department of Child, Family and Community Sciences**, Education Building, Room: 209

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

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 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 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
- **EEX 4763** Technology for Classroom Teachers of Students with Special Needs
- **EEX 2090** Exceptional Populations in School and Society
- **EEX 4066** Strategies for Students with Special Needs

#### Restricted Electives (6 hrs)

- Choose either Elementary Restricted Electives or Secondary Restricted Electives as a focus

##### Elementary Restricted Electives

- **EEX 4070** Teaching Exceptional Students

##### Secondary Restricted Electives

- **EEX 3221** Assessment of Exceptional Students
- **EEX 4242** Teaching Exceptional Students in Secondary Settings

#### Select 1:

- **EEX 3241** Methods for Academic Skills for Exceptional Students
- **EEX 3221** Assessment of Exceptional Students

#### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

#### Other Requirements

- Sophomore standing or completion of an AA degree from a Florida public postsecondary 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.

#### Notes:

- Completion of the minor does not complete the requirements for certification in Exceptional Education nor does it constitute admission in the College of Education.

### General Requirements

- None

#### Credits from other universities will be considered.

- 3 hrs

### History

Select at least 6 credits from this grouping:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 3235</td>
<td>Romanticism and Realism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3242</td>
<td>Modern Europe and the First World War</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3281</td>
<td>Second World War and Rebirth of Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3315</td>
<td>History of Modern Spain</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3411</td>
<td>Ancient Rome</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3431</td>
<td>History of Modern Italy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3451</td>
<td>History of Modern France</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3484</td>
<td>Fascism and Nazism in the Interwar Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4400</td>
<td>The History of Ancient Greece</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4465</td>
<td>Hitler’s Third Reich</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4501</td>
<td>English History: 1485-1815</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4502</td>
<td>British History: 1815-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4574</td>
<td>History of Russia: 1801-1917</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4576</td>
<td>History of Russia in the 20th Century</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4578</td>
<td>History of Russia in the 20th Century</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4582</td>
<td>20th Century Russian Diplomatic History</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4610</td>
<td>Women in European Society: From Medieval to Modern</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4620</td>
<td>European Great Powers: 1815-1914</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 4510</td>
<td>Life and Culture in Nazi Germany</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Political Science or Economics

Select at least 3 credits from this grouping:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3104</td>
<td>Politics of Western Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3614</td>
<td>Politics of Eastern Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4074</td>
<td>Political Economy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4123</td>
<td>Government and Politics of Great Britain</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4445</td>
<td>Comparative Political Parties</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4843</td>
<td>Government and Politics of Russia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3703</td>
<td>International Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4555</td>
<td>International Political Economy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Other

- 3 hrs

#### Select at least 3 credits of courses from this grouping:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4430</td>
<td>19th Century Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHH 3510</td>
<td>Marx and Nietzsche</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 3783</td>
<td>Modernity as a Philosophical Problem</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 4782</td>
<td>Phenomenology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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.
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 4847 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 by 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

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 (12 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
FIN 3403C Business Finance 4 hrs
FIN 3303 Financial Markets 3 hrs

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
■ A maximum of 6 hours of 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 3736C Exercise Physiology Anatomy 4 hrs

1 This course should be taken prior to PET 4312, PET 4550, and PET 4083. If the student has completed the Human Anatomy requirement at another school, it can be substituted with this course.

Restricted Electives (6 hrs)
PET 3414 Intermediate Corporate Finance or 3 hrs
PET 3461 Financial Statement Analysis or 3 hrs
PET 3504 Investment Analysis or 3 hrs
PET 4324 Commercial Bank Management or 3 hrs
FIN 4453 Financial Models or 3 hrs
FIN 4514 Portfolio Analysis and Management or 3 hrs
FIN 4533 Financial Derivatives or 3 hrs
FIN 4604 International Financial Management 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ 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.
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-Foreign Language Education majors. It is well suited for College of Education students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education.

Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education.

Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Minor Admission Requirements
- Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from an approved Florida community college or state university.

Minor Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 hrs of language courses as co-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.

Prerequisite Courses
- None

Required Courses
- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- EDG 4467 Learning Theory and Assessment (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools (3 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)
- FLE 4333 Foreign Language Teaching in Secondary School (3 hrs)
- FLE 4314 Foreign Language Teaching in Elementary Schools (3 hrs)

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None
### 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

**Prerequisite Courses**  
- None

**Required Courses** (20 hrs)  
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs  
- HIM 4508C Quality Management 3 hrs  
- HIM 4656C Health Information Management Systems 3 hrs  
- HSC 3537 Medical Terminology 3 hrs  
- HIM 4226C Coding Procedures I 5 hrs  
- HIM 4266C 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.
- 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

**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**  
- 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

**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.

### History - Minor

**College of Arts and Humanities**  
Department of History, Colbourn Hall, Room: 551  
http://www.history.cah.ucf.edu/  
E-mail: history@mail.ucf.edu  
Dr. Rosalind J. Beller, 407-823-2225

**Minor Admission 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**  
- Any course taught within the History Department

**History Elective**  
- 3 hrs

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- A grade of “C-” (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.
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 (18 hrs)
Take all of the following:
- 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 HFT 3431 Hospitality industry Managerial Accounting 3 hrs
- HFT 2500 Hospitality and Tourism Marketing or HFT 2220 Hospitality Human Resources Management 3 hrs
- HFT 3444 Hospitality Information Systems or HFT 3603 Legal Environment in the Hospitality and Tourism Industry or HFT 4464 Hospitality Industry Finance or HFT 4286 Hospitality Communications 3 hrs

Select 2: 6 hrs
- HFT 3700 Tourism Management or HFT 3263 Restaurant Management or HFT 3273 Principles of Resort Timesharing or HFT 4755 Theme Park and Attraction Management or HFT 2730 The Event Industry or FSU 221C Techniques of Food Preparation or HFT 2254 Lodging Operations or HFT 4277 Yacht, Country, And City Club Management 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum overall GPA of 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 (21 hrs)
- Humanities Foundations 6 hrs
- Select 2: 6 hrs
  - HUM 3252 Contemporary Humanities or HUM 3255 Modern Humanities or HUM 3431 Ancient Humanities or HUM 3435 Medieval Humanities 3 hrs

Humanistic/Religious Traditions 12 hrs
- 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 JST 3401 Jewish People in Antiquity or PHH 3701 Native American Philosophy 3 hrs

Select 2: 6 hrs
- HUM 4330 Performance Theory or HUM 4554 Religious Quest and Human Dilemma or PHM 3022 Sexuality, Gender & Philosophy or PHI 3033 Philosophy, Religion, and the Environment or PHI 3638 Ethical Issues in the 21st Century or PHI 3803 Philosophy and Creativity or PHI 4321 Philosophies of Embodiment: Mind/Body/Self or PHM 3123 Feminist Theories or REL 3111 Religion and Philosophy Through Film or REL 3115 Religion, Spirituality, and Popular Music 3 hrs

Restricted Electives (3 hrs)
- Select one additional course from the above list or from the following:
  - HUM 3320 Contemporary Multicultural Studies or HUM 4301 The Classical Ideal or HUM 4303 The Spiritual Ideal or PHI 4804 Critical Theory or PHI 3800 Aesthetics or PHI 3700 Philosophy of Religion or CLT 3370 Classical Mythology or 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.
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

Prerequisite Courses
- None

Required Courses (9 hrs)
- EGN 3060C Introduction to Robotics 3 hrs

Select 2:
- EEL 3657 Linear Control Systems or 3 hrs
- EML 4312C Feedback Control or 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EML 3262 Kinematics of Mechanisms or 3 hrs
- CAP 4453 Robot Vision or 3 hrs
- CAP 4630 Artificial Intelligence 3 hrs

Restricted Electives (9 hrs)
Select 3:
- EEL 4612 Introduction to Modern and Robust Control or 3 hrs
- EEL 4750 Digital Signal Processing Fundamentals or 3 hrs
- EEL 5669 Autonomous Robotic Systems or 3 hrs
- EEL 5173 Linear Systems Theory or 3 hrs
- EEL 5630 Digital Control Systems or 3 hrs
- EEL 5620 Image Processing or 3 hrs
- EEL 5625 Pattern Recognition or 3 hrs
- EML 5311 System Control or 3 hrs
- CAP 5415 Computer Vision or 3 hrs
- CAP 5512 Evolutionary Computation or 3 hrs
- CAP 5610 Machine Learning or 3 hrs
- EML 4894C Digital Control in Mechatronics or 3 hrs
- EML 5625 Applied Control Systems or 3 hrs
- EML 5290 Introduction to MEMS and Micromachining or 3 hrs
- EEL 5513 Digital Signal Processing Applications 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- A high-level programming language class (like the following or it's equivalent) is required for the minor.
- 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/12Tech/
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: 3 hrs
  - CGS 1060C Introduction to Computer Science or
  - CGS 2100C Computer Fundamentals for Business or
  - COP 3502C Computer Science I 3 hrs

Healthcare Informatics Concentration
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HSA 4191 Health Care Automation 3 hrs

Select 1: 3 hrs
- CGS 4144 Introduction to Informatics or
- CIS 3003 Fundamentals of Information Technology 3 hrs

Technical Elective
- 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/minor 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 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: 6 hrs
  - INR 4011 Politics of Globalization or
  - INR 4030 Diplomacy or
  - INR 4035 International Political Economy or
  - INR 4054 Global Politics of Energy or
  - INR 4074 Immigration Policy or
  - INR 4075 Human Rights Policy or
  - INR 4076 Global Drug Policy or
  - INR 4350 Global Environmental Politics or
  - INR 4502 International Organizations or
  - INR 4603 International Relations Theory or
  - INR 4714 Politics of International Trade Policy 3 hrs

B. Restricted Area Studies Electives: 6 hrs
- 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 3 hrs
- CPO 4062 Comparative Judicial Process or
- CPO 4074 Political Economy or
- CPO 4754 Comparative Political Institutions or
- CPO 4710 Women in Comparative Politics or
- CPO 4784 Political and Economic Inequality in Comparative Perspective or
- CPO 4445 Comparative Political Parties or
- DSC 4012 Terrorism or
- EUH 3651 War and Society or
- MMC 4300 International Media 3 hrs
- SYP 4454 Global Inequality and Society or
- THE 3312 Theatre History and Dramatic Literature II or

Three one credit Foreign Language across the Curriculum (FLAC) courses 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

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FIN 4604</td>
<td>International Financial Management</td>
<td>3 hrs</td>
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</table>

Select 1:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ECO 3703</td>
<td>International Microeconomics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4713</td>
<td>International Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4156</td>
<td>International Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4600</td>
<td>International Management</td>
<td>3 hrs</td>
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</tbody>
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Restricted Electives

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3703</td>
<td>International Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4713</td>
<td>International Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4701</td>
<td>Seminar in Global Economic Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECS 4013</td>
<td>Development Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEO 3471</td>
<td>World Political Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4055</td>
<td>International Political Economy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4224</td>
<td>Contemporary International Politics of Asia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4243</td>
<td>International Politics of Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4401</td>
<td>International Law I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4724</td>
<td>Strategic Foundations in Global E-Business</td>
<td>3 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" 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/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
- Admission by interview with the Program Director

Minor Requirements
- Minimum UCF Overall GPA of 2.5.

Prerequisite Courses
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3333</td>
<td>World Comparative Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEO 3471</td>
<td>World Political Geography</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Cultural Coursework
- 3 hrs

- It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
  - Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available.
  - Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

Study Abroad Experience
- 9 hrs

- The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad. Minimally, 6 hours must meet requirements of the student’s major program.
- Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Restricted Electives
- None

Foreign Language Requirements
- See Language Skills Acquisition

Total Semester Hours Required
- 18
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 4006 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
- Internship, Co-op, or independent study credit cannot be used toward the minor with prior approval.

Italian - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Italian Language Requirements

Required Courses
- None

Restricted Electives (18 hrs)
- Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- 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.

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 the 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.
- 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)
Required Courses (or proficiency) in Hebrew
HBR 1120 Elementary Modern Hebrew Language and Culture I 4 hrs
HBR 1121 Elementary Modern Hebrew Language and Culture II 4 hrs

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 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

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
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 4308 Gender Issues in Latin America 3 hrs

History
ARH 4653 Meso American Art 3 hrs
ARH 3673 Modern Art of Mexico 3 hrs
ARH 3670 20th Century Latin American Art 3 hrs

Modern Languages and Literature
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
FRW 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 3615 Harlem, Haiti, and Havana 3 hrs
AML 4630 Latino/Latina Literature 3 hrs
SPN 3852 Bilingualismo 3 hrs
SPW 4730 Hispanic Literature of the United States 3 hrs
SPN 4780 Spanish Phonetics 3 hrs

History
LAH 3130 Latin American History I 3 hrs
LAH 3200 Modern Latin America 3 hrs
LAH 3400 History of Mexico and Central America 3 hrs
LAH 3470 History of the Caribbean 3 hrs
AMH 3586 History of the Hispanic Minorities in the U.S.
Minors

Latin American Studies
- LAS 4906 Directed Independent Study 1 hr
- LAS 4023 African Caribbean Experience 3 hrs

Political Science
- CPO 4303 Comparative Latin American Politics 3 hrs
- INR 4243 International Politics of Latin America 3 hrs
- CPO 5303 Contemporary Politics of the Mayan Region 3 hrs

Foreign Language Requirements
- None

Leadership Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: ls@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
- Intermediate Foundations of Leadership 2 hrs

Restricted Requirements
- Choose one course from each of the five areas:
  Communication
  - COM 3101 Communication and Human Relations 3 hrs
  - COM 3120 Organizational Communication or 3 hrs
  - COM 4461 Intercultural Communication or 3 hrs
  - ENC 2520 Professional Writing or 3 hrs
  - 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

Ethics
- BUL 1310 Legal and Ethical Environment of Business or 3 hrs
- EDF 3601 Professional Ethics in Education or 3 hrs
- PAD 3040 Ethics and Values in Public Administration or 3 hrs
- PHI 2108 Critical Thinking or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3640 Environmental Ethics 3 hrs

Total Semester Hours Required
- 19

Other Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy the minor.
- At least 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
Select three from the following choices:

- ENC 3310 Magazine Writing I or 3 hrs
- JOU 3201 Editing I or 3 hrs
- JOU 3202 Editing II or 3 hrs
- JOU 4300 Feature Writing or 3 hrs
- JOU 4308 Freelance Writing or 3 hrs
- JOU 4304C On-line Journalism I 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 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)
- MAR 3023 Marketing 4 hrs

Restricted Electives (12 hrs)
- Select four or five:
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3391 Professional Selling 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3503 Consumer Behavior 3 hrs
  - MAR 3613 Marketing Analysis and Research 3 hrs
  - MAR 3641 Marketing Intelligence 3 hrs
  - MAR 3725 Technology Applications in Marketing 3 hrs
  - MAR 4233 Retailing Management 3 hrs
  - MAR 4711 Sport Marketing 3 hrs
  - MAR 4712 Healthcare Marketing 3 hrs
  - MAR 4715 Entertainment Marketing 3 hrs
  - 1 MAR 4803 Marketing Management 3 hrs
  - 1 MAR 4804 Marketing Strategy 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
  - 2 MAR 4156 International Marketing 3 hrs
  - 3 MAR 4724 Strategic Foundations in Global E-Business 3 hrs

1 Requires prerequisites in addition to MAR 3023
2 or MAR 4724, 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.
  - ADV 3008 Principles of Advertising 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - COM 3011C Communication and Human Relations 3 hrs
  - COM 3311 Communication Research Methods 3 hrs
  - COM 3320 Organizational Communication 3 hrs
  - COM 3110 Business and Professional Communication 3 hrs
  - ENC 3211 Theory and Practice of Technical Writing 3 hrs
  - EXP 3404C Basic Learning Processes 3 hrs
  - HSA 3111 U.S. Health Care Systems 3 hrs
  - PHI 3803 Philosophy and Creativity 3 hrs
  - PPE 3003C Personality Theory and Research 3 hrs
  - PSY 3213C Research Methods in Psychology 5 hrs
  - RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
  - SOP 3004C Social Psychology 3 hrs
  - SPC 3301 Interpersonal Communication 3 hrs
  - SPC 4331 Nonverbal Communication 3 hrs
  - SPC 4426 Group Dynamics 3 hrs
  - STA 4102 Computer Processing of Statistical Data 3 hrs
  - SY 4303C Research Methods 4 hrs
  - MAN 4720 Strategic Management 4 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.
- Courses taken at community colleges do not substitute for upper division courses.
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 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 each 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 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Mathematics - Minor
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
Dr. Joe Brennan, jpbrenna@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.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (15 hrs)

<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>
</tbody>
</table>

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.
The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- A C- or better is required in these courses
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military Credit) may be used to satisfy the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Medical Sociology - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Jay Corzine, sociology@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role social forces play in the way society views, treats, understands, and responds to illness and disease. This minor facilitates an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYO 4400 Medical Sociology 3 hrs

Required: Complete one of the following: 3 hrs
- SYG 2000 Introduction to Sociology or
- SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
- Select four courses from the following:
  - SYD 4020 Birth, Death, and Population Trends 3 hrs
  - SYO 3410 Patterns of Mental Health in Society 3 hrs
  - SYP 3551 Patterns of Alcoholism in Society 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYP 4730 Patterns of Aging in Society 3 hrs
- May substitute a relevant health-related course from another department with permission from Sociology.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military Credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Medieval and Renaissance Studies - Minor
College of Arts and Humanities
Department of English, Colburn Hall, Room: 417G
http://www.english.cah.ucf.edu/
Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor.

Required Courses (6 hrs)
- Select two courses from the following:
  - HUM 3435 Medieval Humanities 3 hrs
  - EUH 3122 Medieval Society and Civilization 3 hrs
  - 1 ENL 4311 Chaucer 3 hrs
  - 1 ENL 4341 Milton and His Age 3 hrs
  - 1 ENL 4333 Shakespeare Studies 3 hrs

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 I 4 hrs
- LAT 1121 Elementary Latin Language and Civilization II 4 hrs
- SPW 3100 Survey of Spanish Literature I 3 hrs
- SPW 3370 Spanish Short Story 3 hrs
- SPW 4310 Golden Age Drama 3 hrs
- SPW 4322 Contemporary Iberian Theatre 3 hrs
- SPW 4604 Cervantes 3 hrs
- ITT 3443 Dante’s Inferno 3 hrs

Department of Music
- MUH 4322 Medieval and Renaissance Music 3 hrs

Department of Philosophy
- PHH 3200 Medieval Philosophy 3 hrs
- HUM 3435 Medieval Humanities 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.
Middle Eastern Studies - Minor
College of Arts and Humanities
Program in Middle Eastern Studies, Colbourn Hall, Room: 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
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

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 3 hrs
- MUL 2010 Enjoyment of Music or Evolution of Jazz 3 hrs
- MUL 2016 Survey of Rock Music or American Popular Music, 1840s-present 3 hrs
- MUT 1004 Fundamentals of Music II 3 hrs
- MUT 1121 Music Theory and Musicianship II 3 hrs
- Select 1: 3 hrs
- MUL 2010 Enjoyment of Music or Evolution of Jazz or Survey of Rock Music or American Popular Music, 1840s-present 3 hrs
- MUL 2016 Survey of Rock Music or American Popular Music, 1840s-present 3 hrs
- MUT 1121 Music Theory and Musicianship II 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot 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 or 3 hrs
PAD 4204 Fiscal Management or 3 hrs
1 PAD 5890 Grant and Contract Management or 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 or 3 hrs
PAD 4418 Volunteer Management or 3 hrs
SOW 3203 Social Work & Community Resource Development or 3 hrs
SOW 3104 Assessing 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
### Performing Arts Administration - Minor

**College of Arts and Humanities**
**Department of Music, Performing Arts Center,**
**Room: M204**


E-mail: kgay@mail.ucf.edu

Kirk Gay, kgay@mail.ucf.edu
Phone: 407-823-5968

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

**Minor Admission Requirements** (6 hrs)
- **Take one of the following courses:**
  - MUL 2010 Enjoyment of Music
  - MUL 2014 Introduction to Music History and Literature

**Take one of the following courses:** (3 hrs)
- THE 2000 Theatre Survey
- THE 2020 Survey of Theatre for Majors

**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 is responsible for securing an internship position, which may be paid or unpaid, off-campus, with the approval of the student's advisor. Students will secure approval for internship positions and responsibilities from the department curriculum committee.

**Internship**
- THE 4941 Internship

**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
- ECO 2023 Principles of Microeconomics
- AGG 2071 Principles of Managerial Accounting

**Management**
- MAR 3023 Marketing
- MAN 3025 Management of Organizations
- MAN 2021 Management
Minors

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

Select 1: 3 hrs
- PHI 4931 Philosophy in the News or 3 hrs
- PHI 3683 Philosophy of Friendship or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHI 3648 Ethical Implications of the Human Genome Project or 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHP 3783 Modernity as a Philosophical Problem or 3 hrs
- PHI 3750 The Problem of Evil or 3 hrs
- PHI 3720 Faith and Reason or 3 hrs
- PHI 3803 Philosophy and Creativity or 3 hrs
- PHI 3941 Philosophy Practicum or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- PHP 3786 Existentialism 3 hrs

Restricted Electives (6 hrs)
- Must consult an advisor for approved courses in this area.
- Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

Philosophy, Religion and Popular Culture - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building,
Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Doug Evans (Orlando Campus), dhevans@mail.ucf.edu, 407-823-2273
Dr. Shelley Park, (Cocoa Campus), spark@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.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- Theoretical Foundations 6 hrs
- Take all of the following: 6 hrs
  - PHI 3684 Ways of Living and 3 hrs
  - PHI 4341 Ways of Knowing 3 hrs
- Philosophy 3 hrs
  Select 1: 3 hrs
  - PHI 2101 Formal Logic I or 3 hrs
  - PHI 3670 Ethical Theory or 3 hrs
  - PHI 3700 Philosophy of Religion or 3 hrs
  - PHI 3800 Aesthetics or 3 hrs
  - PHM 3100 Freedom and Justice or 3 hrs
  - PHI 3720 Faith and Reason or 3 hrs
  - PHP 3786 Existentialism 3 hrs
  - PHI 4804 Critical Theory or 3 hrs
  - PHI 4300 Theories of Knowledge 3 hrs
- Religion 3 hrs
  Select 1: 3 hrs
  - CLT 3378 Comparative Mythology or 3 hrs
  - HUM 3552 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 9 hrs
  Select at least one course from Contemporary Media
  Select at least one course from Contemporary Forms of Life
- Contemporary Media 3 hrs
  Select 1: 3 hrs
  - HUM 3320 Contemporary Multicultural Studies or 3 hrs
  - HUM 4330 Performance Theory or 3 hrs
  - HUM 4556 Religion and the Arts or 3 hrs
  - PHI 3625 Virtual Ethics or 3 hrs
  - PHI 4931 Philosophy in the News or 3 hrs
  - POS 3235 Mass Media and Politics or 3 hrs
  - POS 3258 Politics in Film or 3 hrs
  - REL 3111 Religion and Philosophy Through Film or 3 hrs
  - REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
  - SYP 3630 Popular Culture in Society 3 hrs
- Contemporary Forms of Life 3 hrs
  Select 1: 3 hrs
  - ANT 3302 Sex, Gender and Culture or 3 hrs
  - HUM 3252 Contemporary Humanities or 3 hrs
  - PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
  - PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
  - PHI 3629 Family Values or 3 hrs
  - PHI 3683 Philosophy of Friendship or 3 hrs
  - PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
  - PHM 3123 Feminist Theories or 3 hrs
  - PHM 3401 Philosophy of Law or 3 hrs
  - REL 3131 Religion in America 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A "C" (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Physics - Minor
College of Sciences
Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors.

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 4941L Political Science Internship 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.
Minors

Psychology - Minor
College of Sciences
Department of Psychology, Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: psychadvising@ucf.edu
Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas: Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements
- The minor is not open to psychology majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of "C" (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
(10 hrs)
- PSY 2012 General Psychology
- PSY 3204C Statistical Methods in Psychology

Select one statistics course:
(3 hrs)
- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I

Restricted Electives
(15 hrs)

A. Experimental
Select 1:
- EXP 3404C Basic Learning Processes or
- EXP 3204C Perception or
- EXP 3604C Cognitive Psychology or
- PSB 4240C Neuropsychology or
- PSY 3703 Psychology of Language

B. Personality/Social
Select 1:
- PPE 3003C Personality Theory and Research or
- SOP 3004C Social Psychology

C. Developmental
Select 1:
- DEP 2004C Developmental Psychology or
- DEP 3202 Psychology of Exceptional Children or
- DEP 3464 Psychology of Aging

D. Diversity
Select 1:
- 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. Select one additional Psychology elective
- The following courses will not fulfill this requirement:
  - INP 3141C Advanced Applied Psychology
  - INP 3951 Industrial/Organizational Field Work
  - PSY 3805 Directed Independent Study
  - PSY 4906 Directed Independent Study
  - PSY 4912 Directed Independent Research
  - 1 PSY 3951 Undergraduate Field Work

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, 407-823-2004

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
- PAD 4034 The Administration of Public Policy
- PAD 4104 Administrative Theory
- PAD 4204 Fiscal Management
- PAD 4414 Public Personnel Administration
- PAD 4720 Survey Research in Public Administration
- PAD 3733 Professional Administrative Writing in the Public Sector

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
- ECO 2023 Principles of Microeconomics

Required Courses
(13 hrs)
- FIN 2100 Personal Finance and Investments
- FIN 3403C Business Finance
Minors

**Religious Studies - Minor**

**Department of Philosophy, Psychology Building, Room: 220**

**http://philosophy.cah.ucf.edu/**

**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  

**Restricted Electives**

- (Select from the following courses)

**Religion, Humanities, Classics, and Philosophy courses**

- CLT 3370  Classical Mythology or 3 hrs
- CLT 3378  Comparative Mythology or 3 hrs
- HUM 3320  Contemporary Multicultural Studies or 3 hrs
- HUM 3401  Asian Humanities or 3 hrs
- HUM 3417  Hindu Thought and Culture or 3 hrs
- HUM 3419  Islamic Thought and Culture or 3 hrs
- HUM 3552  Christian Thought or 3 hrs
- HUM 4303  The Spiritual Ideal or 3 hrs
- HUM 4330  Performance Theory or 3 hrs
- HUM 4554  Religious Quest and Human Dilemma or 3 hrs
- PHI 3033  Philosophy, Religion, and the Environment or 3 hrs
- PHI 3638  Ethical Issues in the 21st Century or 3 hrs
- PHI 3672  Animal Ethics or 3 hrs
- PHI 3684  Ways of Living or 3 hrs
- PHI 3700  Philosophy of Religion or 3 hrs
- PHI 4321  Philosophies of Embodiment: Mind/Body/Self 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
- REL 3111  Religion and Philosophy Through Film or 3 hrs
- REL 3115  Religion, Spirituality, and Popular Music or 3 hrs
- REL 3131  Religion in America or 3 hrs
- REL 3340  Buddhist Thought or 3 hrs
- REL 3342  Roots of Western Mysticism or 3 hrs
- REL 4110  Religion and the Arts or 3 hrs
- REL 4180  Religion and Medicine or 3 hrs
- REL 3553  Moses, Jesus and Muhammad 3 hrs

**Courses offered through other Departments**

- NOTE: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.
- AML 3615  Harlem, Haiti, and Havana or 3 hrs
- ANT 3241  Magic, Ritual, and Belief or 3 hrs
- ANT 3245  Native American Religions or 3 hrs
- ASH 3222  Islam and its Empires or 3 hrs
- ASH 3223  The Modern Middle East or 3 hrs
- JST 3005  Tenets of Judaism or 3 hrs
- JST 3125  The Book of Job or 3 hrs
### Secure Computing and Networks - Minor

**College of Engineering and Computer Science**  
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346  
http://www.eecs.ucf.edu  
Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-5327

**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

### 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  
  - CIS 4615  Secure Software Development and Assurance or  3 hrs
  - CIS 4361  Secure Operating Systems and Administration or  3 hrs
  - CNT 4403  Network Security and Privacy or  3 hrs
  - COP 4600  Operating Systems or  3 hrs
  - EEL 4781  Computer Communication Networks  3 hrs

**Restricted Electives**  
- None

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 19

**Other Requirements**  
- A minimum GPA of 2.0 is required in all 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**  
- **(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

### 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
  - CIS 4615  Secure Software Development and Assurance or  3 hrs
  - CIS 4361  Secure Operating Systems and Administration or  3 hrs
  - CNT 4403  Network Security and Privacy or  3 hrs
  - COP 4600  Operating Systems or  3 hrs
  - EEL 4781  Computer Communication Networks  3 hrs
Minors

TSL 4080  Theory and Practice of Teaching ESOL  Students in Schools  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
SSE 4361  Social Science Instructional Analysis  4 hrs
SSE 4936  Programs in Teaching Social Science  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

Sociology - Minor

College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Dr. Jay Corzine
Phone: 407-823-3744

Minor Admission Requirements
- The minor is not open to Sociology majors.

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 3 hrs
  SYG 2000  Introduction to Sociology
- Restricted Electives 15 hrs
  2000-4000 level Sociology courses
  Restricted Upper Division Electives 12 hrs
  3000-4000 level Sociology courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op or internship credit cannot be used toward the minor without departmental permission.

Sport Business Management (SPB): Business Minor

College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu
Dr. C. Keith 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 12 hrs
- SPB 3003  Introduction to Sport Business Management
- SPB 3603  Diversity and Social Issues in Sport Business Management
- SPB 3823  The Role of Business Entrepreneurship in Sports/Entertainment
- MAR 4711  Sport Marketing

Restricted Electives 6 hrs
- SPB 4304  Sports Event and Facility Management
- SPB 4804  Sport Business and Media
- GEB 4824  Business Law in Sport & Entertainment

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)
- FIN 2100 Personal Finance and Investments 3 hrs
- MAR 3023 Marketing 4 hrs

Required Courses
- SPB 3003 Introduction to Sport Business Management 3 hrs
- SPB 3603 Diversity and Social Issues in Sport Business Management 3 hrs
- SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs
- MAR 4711 Sport Marketing 3 hrs

Restricted Electives (6 hrs)
- SPB 4304 Sports Event and Facility Management 3 hrs
- SPB 4804 Sport Business and Media 3 hrs
- GEB 4824 Business Law in Sport & Entertainment 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.

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)
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs

Select 1:
- STA 2023 Statistical Methods I or
- STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives (9 hrs)
- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course cannot be used as a restricted elective: STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Technical Education and Industry Training - Minor

College of Education

Department of 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
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

Required Courses (18 hrs)
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 4384 Advanced Teaching Techniques for Vocational Education 3 hrs
- ECT 3062 Professional Role of the Vocational Teacher 3 hrs
- ECT 3367 Evaluation of Vocational Instruction 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- ECT 4004 Principles and Practices of Technical Education 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
- A grade of "C" (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education.

Theater - 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, eeweaver@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 THE 2020 Survey of Theatre for Majors 3 hrs

Restricted Electives (3 hrs)
- Any DAA, DAS, TME, TPA, or TPR 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.
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
Phone: 407-823-2269

The Women’s Studies minor provides students with an opportunity to learn about women’s historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women’s Studies Program.

Minor Admission Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- WST 3015 Introduction to Women’s Studies 3 hrs

Select 1:
- Select one course from the Theories Group:
  - WST 3522 First and Second Wave Feminisms or 3 hrs
  - WST 3561 Third Wave Feminisms or 3 hrs
  - WST 3621 Theories of Masculinity or 3 hrs
  - WST 4349 Ecofeminism or 3 hrs
  - WST 4415 Global and Transnational Feminism or 3 hrs
  - LIT 4554 Advanced Feminist Theories or 3 hrs
  - PHM 3123 Feminist Theories 3 hrs

Restricted Electives (12 hrs)
- Students should complete at least two of their four Elective courses from outside their major. Students may count additional courses from the Theories Group as electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only after the approval of the program director. No more than one 2000-level course may be used toward the minor.

Women’s Studies Disciplinary Approaches
- WST 3020 Girls’ Studies 3 hrs
- WST 3371 Women and Leadership 3 hrs
- WST 3460 Women, Race and Struggle 3 hrs
- WST 3500 Gender Issues and Community Activism 3 hrs
- WST 3522 First and Second Wave Feminisms 3 hrs
- WST 3621 Theories of Masculinity 3 hrs
- WST 4002 Research in Women and Gender 3 hrs
- WST 4021 Girls and Leadership 3 hrs
- WST 4349 Ecofeminism 3 hrs
- WST 4415 Global and Transnational Feminism 3 hrs

Women’s History
- AMH 3561 Women in American History I 3 hrs
- AMH 3562 Women in American History II 3 hrs
- ASH 4004 Women in China 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern 3 hrs

Representations of Women
- AML 3283 Contemporary American Women’s Fiction 3 hrs
- ARH 4871 Women in Art 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3823 Chicana Latina Women Writers 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy 3 hrs
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
PLP 3325 Women and Political Behavior 3 hrs
PUP 3323 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 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
IDS 3333 World Comparative Studies (3 hrs)

Restricted Electives (15 hrs)
■ Thematic Concentrations: Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor, with permission of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

Language and Culture
■ Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.
AML 3615 Harlem, Haiti, and Havana 3 hrs

Economics
ANT 4702 Culture, Power and Development 3 hrs
ECO 3703 International Microeconomics 3 hrs
ECO 4713 International Macroeconomics 3 hrs
ECS 4013 Development Economics 3 hrs
ECP 3302 Economics and the Environment 3 hrs
HFT 3700 Tourism Management 3 hrs
INR 4035 International Political Economy 3 hrs
ECO 4701 Seminar in Global Economic Policy 3 hrs

Biological and Geophysical Environment
IDS 3150 Foundations of Environmental Studies 3 hrs
ECP 3302 Economics and the Environment 3 hrs
SYD 4510 Environment and Society 3 hrs
HFT 4735 Tourism Geography 3 hrs
INR 4351 International Environmental Law 3 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
GIS 3043C GIS for Environmental Studies 3 hrs
GIS 4035C Remote Sensing of the Environment 3 hrs
PHI 3033 Philosophy, Religion, and the Environment 3 hrs
PHI 3860 Environmental Ethics 3 hrs

Social Structure and Change
ANT 3145 Archaeology of Complex Societies 3 hrs
ANT 3273 Law and Culture 3 hrs
ANT 4702 Culture, Power and Development 3 hrs
PLA 4830 World Legal Systems 3 hrs
SYP 4454 Global Inequality and Society 3 hrs

Media and Communication
FIL 3845 World Cinema Traditions 3 hrs
FIL 4844 Africana Cinema 3 hrs
COM 4461 Intercultural Communication 3 hrs
LIN 4643 Cross Cultural Communication 3 hrs
THE 4212 Global Theatre 3 hrs
FIL 3842 International Cinema 3 hrs

World Independent Specialization
■ Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

Foreign Language Requirements
■ Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or above is required in each course used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.
### Writing and Rhetoric - Minor

**College of Arts and Humanities**  
**Department of Writing and Rhetoric, Colbourn Hall, Room: 301 B**  
[http://writingandrhetoric.cah.ucf.edu](http://writingandrhetic.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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>3</td>
</tr>
</tbody>
</table>

1 ENC 1102 is a GEP course. It does not count towards the 18 credit hours needed to fulfill the Writing and Rhetoric Minor requirements.

#### Required Courses (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3331 Rhetoric and Civic Engagement</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Required Core Course

- Students should take core course as early in the program as possible.

#### 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3250</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3310</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Rhetoric and Writing Histories and Theories (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3330 Rhetorical Traditions</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3417 Writing, Literacy, and Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3373 Alternative Rhetorics</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3372 Topics in Rhetoric and Writing Histories and Theories</td>
<td>3</td>
</tr>
<tr>
<td>ENC 4504 Contemporary Composition Theory</td>
<td>3</td>
</tr>
<tr>
<td>ENC 4523 Writing and Identity</td>
<td>3</td>
</tr>
<tr>
<td>ENC 4374 Gendered Rhetorics</td>
<td>3</td>
</tr>
<tr>
<td>LIN 4600 Language and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Language and the Teaching of Writing (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3473 Writing in Disciplinary Cultures</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3521 Cultural Literacies</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3503 Topics in Language and the Teaching of Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENC 4544 Writing Pedagogy</td>
<td>3</td>
</tr>
<tr>
<td>ENC 4275 Writing/Consulting: theory &amp; practice</td>
<td>3</td>
</tr>
<tr>
<td>LIN 3673 Grammar &amp; Advanced Prose Style</td>
<td>3</td>
</tr>
<tr>
<td>LIN 4680 Modern English Grammar</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Language and the Teaching of Writing (3 hrs)

<table>
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<td>ENC 3330 Rhetorical Traditions</td>
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<td>ENC 4374 Gendered Rhetorics</td>
<td>3</td>
</tr>
<tr>
<td>LIN 4600 Language and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

Students must also take two courses from among the following:

- Any course offered by the Department of Writing and Rhetoric not used to satisfy another requirement of the minor.
- Any 3000 or 4000 level ENC technical communication course.
- Any 3000 or 4000 level approved Gordon Rule course including:
  - CRW 3011 Creative Writing for Non-Majors
  - CRW 3053 Theory & Practice of Creative Writing
  - PLA 3108 Legal Research
  - PLA 3155 Legal Writing
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.

Certificate Admission Requirements
- None

Certificate Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
- None

Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Required Internship: (Select one) 3 hrs
- SOW 4510 Field Education 9 hrs
- SOW 4941 Internship 9 hrs
- HSA 4941 Internship 3 hrs
- PSY 3951 Undergraduate Field Work 3 hrs
- SYP 4941 Internship 3 hrs

- (Full-time students ONLY). Cannot be used with SOW 4941.
- (Part-time students over two semesters ONLY). Cannot be used with SOW 4510.

Restricted Electives (9 hrs)
- Students select three additional courses from the following courses:
  A maximum of two courses in their College must be taken and at least one course must be outside their college.

College of Health and Public Affairs 6 hrs
- HSA 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 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- GEY 3007 Women and Healthy Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

- Open to undergraduates with senior standing

Foreign Language Requirements
- None

Total Semester Hours Required 15

Other Requirements
- A minimum GPA of 2.0 required in all courses used to satisfy the certificate.
- Grades less than “C” (2.0) are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study cannot be used toward the certificate.

Behavioral Forensics - Certificate
College of Sciences
Department of Psychology, Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: kmottare@mail.ucf.edu
Dr. Karen Mottarella
Phone: 321-433-7982

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.

Prerequisite Courses (9 hrs)
- Students must satisfy each course’s prerequisites before enrolling in the class.
  Select 1: 3 hrs
  - Complete one introductory course:
    GEY 2012 General Psychology 3 hrs
    SYP 3003C Personality Theory and Research and 3 hrs
    SYP 3510 Sociology of Deviant Behavior 3 hrs

Take all of the following: 6 hrs
- Complete both classes:
  CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
  SYP 3520 Criminology 3 hrs
  CJE 4630 Serial Murder and Criminal Justice 3 hrs
  SYP 3514 Patterns of Violence in Society 3 hrs
  SYP 4521 Crime Victims in Society 3 hrs
  SYP 3520 Criminology 3 hrs
  SYP 4521 Crime Victims in Society 3 hrs
  SYP 4536 Gangs and Society 3 hrs
  SYP 3540 Sociology of Law 3 hrs

Restricted Electives (12 hrs)
- Note: It is the student’s responsibility to meet all prerequisites for every course selected
  From Psychology, select one of the following: 3 hrs
  - CLP 3143 Abnormal Psychology 3 hrs
  - CLP 3302 Clinical Psychology 3 hrs
  - CLP 4134 Childhood Psychopathology 3 hrs
  - PCE 4203 Interviewing and Counseling 4 hrs
  From Sociology, select two of the following: 6 hrs
  - SYP 3511 Sociology of Murder 3 hrs
  - SYP 3520 Patterns of Domestic Violence in Society 3 hrs
  - SYP 4521 Crime Victims in Society 3 hrs
  - SYP 4514 Patterns of Violence in Society 3 hrs
  - SYP 4536 Gangs and Society 3 hrs
  - SYP 3540 Sociology of Law 3 hrs

From Criminal Justice, select one of the following: 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CJE 4630 Serial Murder and Criminal Justice 3 hrs
- CJE 3667 Victims and the CJ System 3 hrs
- CCJ 4681 Domestic Violence and the CJ System 3 hrs
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required 30
Certificates

Children’s Services - Certificate
College of Health and Public Affairs
School of Social Work, Health and Public Affairs I, Room: 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator
Phone: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about the various components of the child welfare system and how that system impacts children and families. Students are required 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: 3 hrs
- SOW 4654 Children’s Services: 3 hrs
- SOW 4650 Child Abuse: Treatment and Prevention: 3 hrs

Select 1:
- 9 hrs
  1. SOW 4510 Field Education or
  2. SOW 4941 Internship: 9 hrs

■ (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
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
Department of Anthropology, Phillips Hall, Room: 403
David Fabianic, fabianic@mail.ucf.edu, 407-823-2603
Dr. John Schultz, jaschultz@mail.ucf.edu, 407-823-2618
Mary Ann Eastep, cjadvise@mail.ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the program must be earned at UCF 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 (9 hrs)
- CJE 3662 CJ Information Technology and Data Management: 3 hrs
- CJE 4663 Crime Mapping and Pattern Analysis: 3 hrs
- CCJ 4076 Crime Intelligence and Investigative Support Analysis: 3 hrs

Restricted Electives (6 hrs)
■ Select two of the following:
  - CCJ 3451 Justice System Technology: 3 hrs
  - CJE 3444 Crime Prevention: 3 hrs
  - CJE 4654 Crime and Place: 3 hrs
  - CCJ 3450 The Criminal Justice Manager: 3 hrs
  - CJE 4352 Policy Development in Law Enforcement: 3 hrs
  - CJE 4572 Justice Agency Operations: 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit may not be used toward the program

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
- CJE 4012 Criminal Profiling in Criminal Justice: 3 hrs
- CJE 4663 Crime Mapping and Pattern Analysis: 3 hrs
- CJE 4572 Crime and Place: 3 hrs
- CCJ 4076 Crime Intelligence and Investigative Support Analysis: 3 hrs
- ANT 4521 Forensic Anthropology: 3 hrs
- ANT 4183 Archaeological Sciences: 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice: 3 hrs
- CJE 4610 Criminal Investigation: 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ None

Note: some courses have limited offerings, and should be taken when available.
Criminal Profiling - Certificate

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health and Public Affairs I, Room: 311
David Fabianic, fabianic@mail.ucf.edu, 407-823-2603
Mary Ann Eastep, cjadvise@mail.ucf.edu, 407-823-2603

New and more sophisticated techniques and tools of criminal investigation are being
developed to assist in meeting the challenges facing today’s law enforcement offi-
cers. 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)
- CLP 3143 Abnormal Psychology 3 hrs
- CJE 4650 Serial Murder and Criminal Justice 3 hrs
- CCJ 4710 Interviewing & Interrogations in CJ 3 hrs
- CJE 4630 Criminal Profiling in Criminal Justice 3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - DSC 4012 Terrorism 3 hrs
  - CJE 4610 Criminal Investigation 3 hrs
  - CCJ 4195 Interviews & Interrogations in CJ 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate
- At least 12 hours used in the certificate must be earned at UCF within the department
- No credit by exam (TSD, Military credit) may be used
- Internship or Independent Study credit cannot be used toward the certificate

Cultural Tourism - Certificate

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
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.
### 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 4714 Politics of International Trade Policy or 3 hrs  
  - INR 4104 Topics and Cases in American Foreign Policy or 3 hrs  
  - INR 4351 International Environmental Law or 3 hrs  
  - INR 4401 International Law 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

### Educational Studies - Certificate
#### College of Education
**School of Teaching, Learning, and Leadership,**  
**Education Building, Room: 220B**

http://education.ucf.edu/es/  
E-mail: wwise@mail.ucf.edu  
Dr. W. Scott Wise, ED 220B  
Phone: 407-823-1502  

The Educational Studies certificate is intended to provide for students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education. An Educational Studies minor that includes a sixth course is also an option. This certificate is available for students in the 2007 catalog year and beyond.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(12 hrs)*
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
- EDF 4467 Learning Theory and Assessment 3 hrs  
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs  
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs  

**Restricted Electives** *(3 hrs)*
- Choose one:
  - MAE 4634 Programs in Teaching of Mathematics 3 hrs  
  - SSE 4936 Programs in Teaching Social Science 3 hrs  
  - LAE 4464 Survey of Adolescent Literature 3 hrs  
  - LAE 4342 Programs in Teaching Language and Composition 3 hrs  
  - SCE 4361 Programs in Teaching Science 3 hrs  

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

### 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:** *(3 hrs)*  
- MAR 3391 Professional Selling or 3 hrs  
- FIN 4941 Finance Internship 3 hrs  


**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

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**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

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 12

**Other Requirements**
- None

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**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 Identify 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
■ 15

Other Requirements
■ A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
■ At least 12 hours used in the certificate must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

Language Development and Disorders - Certificate
College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis
E-mail: advising@mail.ucf.edu
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 (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 minimum grade of "C-" (1.75) is required in each course.
■ Students must earn an overall GPA of 2.0 in courses to complete the certificate.
■ At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders
■ No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.

Leadership Studies - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (13 hrs)
Foundation Requirement
1 LDR 2001 Foundations of Leadership 2 hrs
1 LDR 2002 Intermediate Foundations of Leadership 2 hrs

Restricted Requirements
■ Choose one course from three of the areas below:

Communication
■ COM 3011 Communication and Human Relations or 3 hrs
■ COM 3120 Organizational Communication or 3 hrs
■ COM 4661 Intercultural Communication or 3 hrs
■ COM 4662 Conflict Management 3 hrs

Collaboration
■ INP 3004 Industrial/Organizational Psychology or 3 hrs
■ INP 4313 Organizational Psychology or 3 hrs
■ MAN 4240 Organizations: Theory and Behavior or 3 hrs
■ MAN 3025 Management of Organizations or 4 hrs
■ 1 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 4661 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

Politics
■ PAD 3003 Public Administration in American Society or 3 hrs
■ PAD 4104 Administrative Theory or 3 hrs
■ PAD 4144 Non-Profit Organizations or 3 hrs
■ PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
■ POS 3413 The American Presidency or 3 hrs
■ POS 4206 Political Psychology or 3 hrs
■ PUP 3325 Women and Political Behavior 3 hrs

Ethics
■ BUL 3130 Legal and Ethical Environment of Business or 4 hrs
■ EDF 3601 Professional Ethics in Education or 3 hrs
■ PAD 3040 Ethics and Values in Public Administration or 3 hrs
■ PHI 2108 Critical Thinking or 3 hrs
■ PHI 3640 Environmental Ethics 3 hrs

TBA

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 13
Other Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

Marketing: e-Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- 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
- MAR 4715 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
- 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: Entertainment Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors.
- These six hours count as the six elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Required Courses
- 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: 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
- None

Required Courses
- MAR 4231 Retailing Management 3 hrs
1 MAR 4941 Marketing Internship 3 hrs

1 Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

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
- None

Required Courses
- MAR 4231 Retailing Management 3 hrs
1 MAR 4941 Marketing Internship 3 hrs

1 Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None
Certificates

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

Marketing: Sport Marketing Management - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major.

Certificate Requirements
- None
Prerequisite Courses
- None
Required Courses (6 hrs)
- MAR 4711  Sport Marketing  3 hrs
- MAR 4941  Marketing Internship  3 hrs
  1 Internship in sports-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None
Foreign Language Requirements
- None
Total Semester Hours Required
- 6
Other Requirements
- None

Military Science - Certificate
College of Engineering and Computer Science
Army ROTC, BLDG 501
LTC Bryce Christensen, 407-823-1872
Students enrolled in the UCF Army ROTC Military Science Program who are contracted under a three semester option prior to Commissioning will be eligible for a Military Science Certificate in Military Studies. Application for a Military Science Certificate will be approved by the Military Science Department Chair once a contracted Cadet completes the 12 credit hours of MSL Advanced Course instruction and the 3 credit hour Military History Course for a combined total of 15 credit hours in Military Science.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None
Certificate Requirements
- None
Prerequisite Courses
- None
Required Courses (15 hrs)
- MSL 4301C  Leadership and Management  4 hrs
- MSL 4302C  Officership  4 hrs
- AMH 3547  U.S. Military History Since 1900  3 hrs
- Select 1: 4 hrs
  - MSL 3201C  Leadership and Problem Solving  4 hrs
  - MSL 3202C  Leadership and Ethics  4 hrs

Restricted Electives
- None
Foreign Language Requirements
- None
Total Semester Hours Required
- 15
Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades less that "C-" (1.75) are not accepted.
- No credit by exam (TSD, Military Credit) may be used.
- Internship or Independent Study credit can be used toward the certificate.
- Students earning the Military Science Minor are not eligible for this certificate.

Nonprofit Management - Certificate
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm
E-mail: pa/ba/bs@mail.ucf.edu
Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None
Certificates

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 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

1 ENC 1102 Composition II 3 hrs

1 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
(15 hrs)

- PAD 4144 Non-Profit Organizations 3 hrs
- PAD 4147 Volunteer Management 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

Real Estate: Mortgage Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida mortgage broker’s license.

Certificate Admission Requirements
- None

Certificate Requirements
None

Prerequisite Courses
- None

Required Courses
(15 hrs)

- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4204 Residential Real Estate Finance 3 hrs
- REE 4203 Commercial Real Estate Finance 3 hrs

Select 1:
- MAR 3391 Professional Selling 3 hrs
- 1 REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
None

Foreign Language Requirements
None

Total Semester Hours Required
15

Other Requirements
None
Certificates

Real Estate: Real Estate Appraisal - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate appraiser’s license.

Certificate Admission Requirements
■ None
Certificate Requirements
■ None
Prerequisite Courses
■ None
Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REE 3043</td>
<td>Fundamentals of Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>^REE 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

^Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
■ None
Foreign Language Requirements
■ None
Total Semester Hours Required
■ 15
Other Requirements
■ None

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None
Certificate Requirements
■ None
Prerequisite Courses
■ None
Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCC 3311</td>
<td>Security Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 3803</td>
<td>Security Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 4843</td>
<td>Risk Management in Criminal Justice/</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Private Security</td>
<td></td>
</tr>
<tr>
<td>CCJ 4644</td>
<td>White Collar Crime</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)
■ Select one of the following:
  ■ PLA 5937 Seminar in Contemporary Legal Problems 3 hrs
  ■ CJE 3444 Crime Prevention 3 hrs
  ■ PLA 3277 The Law of Torts 3 hrs
  ■ SCC 3316 Special Security Problems 3 hrs
  ■ DSC 4012 Terrorism 3 hrs

Foreign Language Requirements
■ None
Total Semester Hours Required
■ 15
Other Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the certificate must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the certificate.

Real Estate: Real Estate Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

Certificate Admission Requirements
■ None
Certificate Requirements
■ None
Prerequisite Courses
■ None
Required Courses (15 hrs)

<table>
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<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>^REE 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

^Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
■ None
Foreign Language Requirements
■ None
Total Semester Hours Required
■ 15
Other Requirements
■ None

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 2207  Introduction to Substitute Teaching  3 hrs
- EDG 2311  Teaching Strategies for Substitute Teachers  3 hrs

Restricted Electives
- None

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)
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- TSD 3346  English as an International Language  3 hrs
- TSL 4240  Issues in Second Language Acquisition  3 hrs
- TSL 4250  Language and Culture  3 hrs
- TSL 4363  ESL Classroom Experiences  3 hrs

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
- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.
Certificates

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
(SPT 3800) Spanish Translation and Interpretation 3 hrs
(SPT 3805) Spanish Translation and Interpretation for Mass Communication 3 hrs
(SPT 3809) Medical Spanish Translation/Interpretation 3 hrs
(SPT 3831) Spanish Legal Translation and Interpretation 3 hrs

Restricted Electives
- Select two of the following:
  - 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
(CCJ 3667) Victims and the CJ System 3 hrs
(CCJ 4670) Women and Crime 3 hrs
(CCJ 4681) Domestic Violence and the Justice System 3 hrs

Restricted Electives
- Select two of the following:
  - SYP 4521 Crime Victims in Society 3 hrs
  - NUR 4516 Crisis Intervention 3 hrs
  - SOW 4754 Forensic Social Work Theory and Practice 3 hrs
  - CCJ 4764 Juvenile Justice System 3 hrs
  - CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
  - CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 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: womenst@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

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.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
(3 hrs)
- WST 3015 Introduction to Women’s Studies

Restricted Electives
(9 hrs)
- See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option: 3 hrs
- Internship required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women’s issues.

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of “C” or below will not be counted toward the Women’s Studies Minor.
- At least 9 hours used in the certificate must be earned at UCF.
ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E. or M.S.M.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307 http://www.mmae.ucf.edu
E-mail: mmaeugrad@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)

   EG 3310 Engineering Analysis-Statistics 3 hrs
   EG 3321 Engineering Analysis-Dynamics 3 hrs
   EG 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 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
- Admissions
  - None

11. Required Minors
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of summer credit if applicable.

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- 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 register for more than a total of twelve hours in that semester.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None
Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link
- http://www.graduatedecatalog.ucf.edu/content/Courses.aspx

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

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 fewer semesters.

Admission Requirements
- Completion of the junior year of course work in communication sciences and disorders
- 3.5 GPA or better in courses in the major
- 1000 on the combined verbal and quantitative sections of the Graduate Record Examinations and a score of at least 500 on the verbal section
- Completion of a graduate application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a “B” or better for all 18 credit hours of graduate course work will be formally admitted into the master’s program in communication sciences and disorders following receipt of the bachelor’s degree

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Prefer MGF 1106 Finite Mathematics 3 hrs
   Select 1:
   - Suggested STA 2014C Principles of Statistics or 3 hrs
   - Suggested STA 2023 Statistical Methods I 3 hrs
   D: Social Foundations
   - Suggested PSY 2012 General Psychology 3 hrs
   Select 1:
   - Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
   - Suggested ECO 2023 Principles of Microeconomics or 3 hrs
   - Suggested POS 2041 American National Government 3 hrs
   E: Science Foundations (7 hrs)
   Prefer BSC 1005 Biological Principles 3 hrs
   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
   STA 3011 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 Audiologic 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: 3 hrs
   EAB 3703C Principles of Behavior Modification or 4 hrs
   EEX 4601 Introduction to Behavior Management or 3 hrs
   EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
   EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
   SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs

Statistics Requirement 6 hrs
- Students have two options in completing this requirement:
   Option 1: 6 hrs
   - STA 2023 Statistical Methods I and 3 hrs
   - STA 4163 Statistical Methods II 3 hrs
   Option 2:
   - STA 2014C Principles of Statistics and 3 hrs
   - SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs
   or
   STA 2023 Statistical Methods I and 3 hrs
   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 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 Introduction to the Engineering Profession 1 hr

4. Core Requirements: Advanced Level (54 hrs)
Courses Required for the Engineering Core 6 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
Select 1:
EGN 3321 Engineering Analysis-Dynamics or 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major (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

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $17.50 per term
■ Full-Time Student: $35.00 per term

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7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of
     one foreign language in college (or equivalent proficiency exam) prior to
     graduation.
   Graduation
   - None
8. Electives
   - 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 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
- 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.eecs.ucf.edu/acl/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 track specific GEP
     requirements.
   - A: Communication Foundations
   - B: Cultural & Historical Foundations
   - C: Mathematical Foundations
   - D: Social Foundations
   - E: Science Foundations
2. Common Program Prerequisites (CPP) (17 hrs)
   - See Computer Science major in the catalog for the CPP require-
     ments.
3. Core Requirements: Basic Level (25 hrs)
   - STA 2023 Statistical Methods I (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 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)
   - COP 4210 Discrete Structures II (3 hrs)
   - COP 4020 Programming Languages I (3 hrs)
   - COP 4690 Operating Systems (3 hrs)
   - COP 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
       credits are allowed. Approved IT courses offered by Computer Science may
       also be used toward this requirement (3 credits).
   - 4000-5000 level mathematics or statistics (6 hrs)
     - courses from: STA, MAP, MAA, MAD, MAS prefixes and the 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

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_compa.../http://www.oeas.ucf.edu/alc/academic_learning_compa...

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu

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 first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - See Electrical Engineering major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
   - See Electrical Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   - Engineering Core: Basic 2 hrs
     - EGN 106C Introduction to the Engineering Profession 1 hr
     - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)
   - Engineering Core: Advanced 12 hrs
     - The College of Engineering and Computer Science requires all engineering students to achieve a minimum of 2.250 GPA in completing these courses, together with the 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 GE
     - PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 41 hrs
- EEL 3004 Electrical Networks 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEE 3307C Electronics I 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EEL 3801C Computer Organization 3 hrs
## Accelerated Undergraduate-Graduate Programs

### History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

**College of Arts and Humanities**  
**Department of History, Colbourn Hall, Room: 551**  
[http://www.history.cah.ucf.edu/](http://www.history.cah.ucf.edu/)

**E-mail: Graduate program: hisgrad@mail.ucf.edu**  
**E-mail: Undergraduate program: history@mail.ucf.edu**  
**Dr. Rosalin 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.

### 2. History Major Requirements

#### Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

#### Electives
- None

#### Additional Requirements
- None

#### Required Minors
- None

#### Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

#### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 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.

### 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

### Program Academic Learning Compacts (student learning outcomes)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEE 4309C</td>
<td>Electronics II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4742C</td>
<td>Embedded Systems</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 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
- None

#### Graduation
- None

#### Electives
- None

#### Additional Requirements
- None

#### Required Minors
- None

#### Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

#### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 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
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
   Select one of the following sequences of courses:
   - EUH 2000 Western Civilization I and EUH 2001 Western Civilization II
   - or WOH 2012 World Civilization I and WOH 2022 World Civilization II

4. Core Requirements: Advanced Level
   Select six hours of approved history courses within three of the four geographic regions:
   - Asian, African, and Middle Eastern
   - British and European
   - Latin American
   - U.S. and Canadian
   Select three hours of approved history courses
   ■ Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

5. Restricted Electives
   (Must be taken within the History Department)
   Select six hours of approved history courses within 18 hrs
   ■ Students must complete at least 18 of the required 36 history hours

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Met by graduation requirement.
   Graduation
   ■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign 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
    ■ 40 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, 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
■ Humanities
■ Judaic Studies
■ Latin American Area Studies
■ Middle Eastern Studies
■ Women’s Studies

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Shared Courses
■ None

Graduate Courses Link
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/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/
Dr. William Thompson, william.thompson@ucf.edu, 407-823-2636
Phone: 407-823-2204

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Completion of the GRE with a highly competitive score by the end of the junior year
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Industrial Engineering major 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
- 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>

4. Core Requirements: Advanced Level (58 hrs)

Courses Required for the Major
- 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.

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

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, 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 major in the Catalog for track specific GEP requirements

   **A:** Communication Foundations  
   - (9 hrs)

   **B:** Cultural & Historical Foundations  
   - (9 hrs)

   **C:** Mathematical Foundations  
   - (7 hrs)

   **D:** Social Foundations  
   - (6 hrs)

   **E:** Science Foundations  
   - (7 hrs)

2. **Common Program Prerequisites (CPP)**  
   - (18 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. **Core Requirements: Basic Level**  
   - (2 hrs)
   - EGN 1006C Introduction to the Engineering Profession  
   - 1 hr
   - EGN 1007C Engineering Concepts and Methods  
   - 1 hr

4. **Core Requirements: Advanced Level**  
   - (63 hrs)
   - EGN 3310 Engineering Analysis-Statics  
   - 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics  
   - 3 hrs
   - EGN 3343 Thermodynamics  
   - 3 hrs
   - EGN 3385 Structure and Properties of Materials  
   - 3 hrs
   - EGN 3373 Principles of Electrical Engineering  
   - 3 hrs
   - STA 3023 Probability and Statistics for Engineers  
   - GEP
   - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering  
   - 3 hrs
   - EML 3303C Mechanical Engineering Measurements  
   - 3 hrs
   - EML 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 4223 Vibration Analysis  
   - 3 hrs
   - EML 453C CAD/CAM  
   - 3 hrs

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 thermofluid 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**

   - None

8. **Electives**

   - None

9. **Additional Requirements**

   - None

10. **Required Minors**

    - None

11. **Departmental Exit Requirements**  
    - (6 hrs)
    - CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

    **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

12. **University Minimum Exit Requirements**

    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, 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 not register
    for more than a total of twelve hours in that semester
  - Undergraduate students are not eligible to take 6000-level courses

Career and Academic Advising
- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EML 3990 Mechanical Career and Academic Faculty
- 0 hrs
  Advising I

EML 4991 Mechanical Career and Academic Faculty
- 0 hrs
  Advising II

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.

Graduate Courses Link
- http://www.graduatecatalog.ucf.edu/content/Courses.aspx

Program Academic Learning Compacts
- Program Academic Learning Compacts (students 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
- 1 CHM 1032 General Chemistry 3 hrs

1 or other approved Life/Physical Science

Group B
- grade of C (2.0) or better
- Sociology or 3 hrs
- Psychology 3 hrs
- Developmental Psychology 3 hrs
- Human Nutrition 3 hrs
- Statistics 3 hrs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with an advisor in the College of Nursing
- Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
- UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP)  
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. 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
- 2004C
- 2 CHM 1032 General Chemistry 3 hrs
- 1 ZOO Human Anatomy 4 hrs
- 3733C
1. PCY 3703C  Human Physiology  4 hrs
2. HUN 3011  Human Nutrition  3 hrs

Select 1:
1. STA 2044C  Principles of Statistics or
2. STA 2023  Statistical Methods I  3 hrs

Select 1:
1. SOW 3104  Assessing I: Human Development or
2. DEP 2004C  Developmental Psychology  3 hrs

Select 1:
1. PSY 2012  General Psychology or
2. SYG 2000  Introduction to Sociology  3 hrs

1. science prerequisite
2. or other approved physical or life science prerequisite

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level  (57 hrs)
   - Any variation from the following must be approved by the College of Nursing.

   - NUR 3065  Health Assessment  2 hrs
   - NUR 3065L  Health Assessment Lab  1 hr
   - NUR 3026  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 3755L  Essentials of Nursing Practice Clinical  2 hrs
   - NUR 3634  Community Health Nursing  3 hrs
   - NUR 3634L  Community Health Nursing Clinical  2 hrs
   - NUR 3125  Pathophysiology for Nursing Practice  3 hrs
   - NUR 3445  Nursing Care of the Adult I: Clinical Practice  3 hrs
   - NUR 3445L  Nursing Care of the Adult I: Clinical Practice  3 hrs
   - NUR 3445L  Nursing Care of the Family (3 hrs)
   - NUR 3445L  Nursing Care of the Family Clinical  2 hrs
   - NUR 3167  Accelerated Nursing Research Seminar  1 hr
   - NUR 4227  Nursing Care of the Adult II  4 hrs
   - NUR 4227L  Nursing Care of the Adult II: Clinical Practice  3 hrs
   - NUR 4282  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 4537L  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)
   - Any variation from restricted electives must be approved by the College of Nursing.

   - NUR 3028  Essentials of Nursing Practice  2 hrs
   - NUR 3028  Essentials of Nursing Practice Lab  1 hr
   - NUR 3755L  Essentials of Nursing Practice Clinical  2 hrs
   - NUR 3634  Community Health Nursing  3 hrs
   - NUR 3634L  Community Health Nursing Clinical  2 hrs
   - NUR 3125  Pathophysiology for Nursing Practice  3 hrs
   - NUR 3445  Nursing Care of the Adult I: Clinical Practice  3 hrs
   - NUR 3445L  Nursing Care of the Adult I: Clinical Practice  3 hrs
   - NUR 3445L  Nursing Care of the Family (3 hrs)
   - NUR 3445L  Nursing Care of the Family Clinical  2 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - None

   Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - Mandatory Drug Screening is required prior to 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

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Completion of all courses in major with a grade of "C" (2.0) or better
    - UCF GPA of 2.5 or above
    - College of Nursing GPA of 2.5 or above
### Accelerated Undergraduate-Graduate Programs

#### Nursing - R.N. to M.S.N. Option (B.S.N.)

**College of Nursing**  
**UTWR, Room: 3rd floor**  
**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. 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/](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)** (36 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1102 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:
- **1** Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology

#### Select 2:
- **1** Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
- **1** Prefer POS 2041 American National Government

#### Notes:
- One of these courses is required to meet General Education requirements.

#### E: Science Foundations (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- **1** MCB 2004C Microbiology for Health Professionals 4 hrs
- **2** CHM 1032 General Chemistry GEP 3 hrs
- **2** ZOO 1001 General Zoology 3 hrs
- **2** PCB 3703C Human Physiology 4 hrs
- **1** HUN 3011 Human Nutrition 3 hrs

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>(18 hrs)</th>
</tr>
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<tbody>
<tr>
<td><strong>1</strong> STA 2014C Principles of Statistics or STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong> SOW 3104 Assessing I: Human Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>1</strong> DEP 2004C Developmental Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:
- **1** PSY 2012 General Psychology GEP
- **1** SYG 2000 Introduction to Sociology GEP

- For other physical or life science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.
- May take Anatomy and Physiology course sequence of six-eight total credits.
- Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

#### 3. Core Requirements: Basic Level
- None

#### 4. Core Requirements: Advanced Level (30 hrs)
- **NUR 3850** Dimensions of Professional Nursing 3 hrs
- **NUR 3165** Nursing Research 3 hrs
- **NUR 3634** Community Health Nursing 3 hrs
- **NUR 4837** Health Care Issues, Policy, and Economics 3 hrs
- **NUR 4604L** Practicum in Community and Public Health 4 hrs
- **NUR 4837** Nursing for RNs 2 hrs
- **NUR 4637** Public Health Nursing 2 hrs

#### NURSE EDUCATOR / CLINICAL NURSE LEADER

<table>
<thead>
<tr>
<th>TRACKS</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NURS EDUCATOR / CLINICAL NURSE LEADER</strong></td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

#### Take the following 12 credits (nine graduate credits also applied to MSN):
- **NUR 5003** Advanced Health Assessment and Diagnostic Reasoning and 2 hrs
- **NUR 5003L** Advanced Health Assessment and Diagnostic Reasoning (Lab) and 1 hr
- **NUR 5638** Health Promotion and 3 hrs
- **NUR 5141** Pathophysiological Bases for Advanced Nursing Practice and 3 hrs
- **NUR 4828** Nursing Leadership, Management and Role Theory Transition 3 hrs
Accelerated Undergraduate-Graduate Programs

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 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
- 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.
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 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 or state college and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.

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 and 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.

Admission Requirements
   ■ Completion of an A.S. degree from a Florida public community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.
Degree Requirements
   ■ Students who change degree programs and select this major must adopt the most current catalog.
   ■ Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including CLAS, Gordon Rule, Foreign Language Admission and General Education.

1. UCF General Education Program (GEP) (36 hrs)
   ■ Students will complete the remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)  None
3. Core Requirements: Basic Level (10 hrs)
   Select 1: 4 hrs
   MAN 3026  Management of Organizations
   BUL 3130  Legal and Ethical Environment of Business
   PLG 3014  Law and the Legal System
   Select 2: 3 hrs
   ENC 3241  Writing for the Technical Professional
   ENC 3250  Professional Writing

4. Core Requirements: Advanced Level  None
5. Restricted Electives  None
   ■ Area of Concentration (Choose one)
   ■ All tracks are not available at all locations.

Supervision and Administration Track 19 hrs
Take all of the following: 19 hrs
   INP 3004C  Industrial/Organizational Psychology and Management 3 hrs
   MAR 3023  Marketing and Management 4 hrs
   MAN 3332  Essentials of Human Resource Management for Non-Business Majors and 3 hrs
   MAN 3354  Employee Training for Non-Business Majors and 3 hrs
   ACG 3082  Accounting For Non-Business Majors and Restricted Elective (Consult with Program Advisor) 3 hrs
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<thead>
<tr>
<th>Track</th>
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**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
- ETI 3671 Technical Economic Analysis and
- ETI 4186 Applied Reliability and
- ETI 4635 Technical Administration and
- ETI 4640 Operations Management for Technologists and
- ETI 4448 Applied Project Management and
- CET 3010 Introduction to Information Technology

**Criminal Justice Track**
- 18 hrs
- CCJ 3024 Criminal Justice System
- CCJ 3014 Crime in America

**Select 2:**
- 6 hrs
- CJL 3510 Prosecution and Adjudication or
- CJC 3010 Corrections and Penology or
- CJE 4014 Police and Society
- Six additional hours of CCJ, CJC, CJE, or CJT courses, selected with the aid of an academic advisor

**Legal Studies Track**
- 18 hrs
- Take all of the following:
  - 6 hrs
  - PLA 3014 Law and the Legal System and
  - PLA 3108 Legal Research
- Select 4:
  - 12 hrs
  - PLA 3155 Legal Writing or
  - PLA 3205 Civil Practice and Procedure or
  - PLA 3277 The Law of Torts or
  - PLA 3309 Criminal Procedure or
  - PLA 4424 The Law of Contracts or
  - PLA 4703 Professional Ethics and Liability

**Health Services Administration**
- 18 hrs
- Take all of the following:
  - 15 hrs
  - 1 HSA 3111 U.S. Health Care Systems and
  - HSC 4201 Community Health and
  - HSA 4180 Organization & Management for Health Agencies I and
  - 2 HSA 4191 Health Care Automation and
  - 3 HSC 4500 Epidemiology
- Select 1:
  - 3 hrs
  - HSC 4652 Health Law and Ethics or
  - HSA 4109 Principles of Managed Care or
  - HSA 4502 Health Management Systems or
  - HSA 4702 Health Sciences Research Methods or
  - HIM 4508C Quality Management

**Information Technology Track**
- 21 hrs
- Take all of the following:
  - 21 hrs
  - 1 CET 3383 Applied Systems Analysis I and
  - 1 CET 4427 Applied Database I and
  - ETI 4448 Applied Project Management and
  - CET 4748 Wide Area Networks I and
  - CET 4749 Wide Area Networks II and
  - 2 CET 4683 Computer and Network Security and
  - 1 CET 4483 Intro to Local Area Network Technology

**Statewide Articulated A.S. To B.S. Programs**

**Early Childhood Education Track**
- 21 hrs
- Take all of the following:
  - 21 hrs
  - EEC 3700 Social and Emotional Development of Young Children and
  - RED 3310 Early Reading, Writing and Language Arts
  - EEC 4268 Curriculum Activities in Early Childhood and
  - 1 EEC 4604 Classroom Management and Guidance of Young Children
  - EEX 4751 Parent Involvement in Education and
  - TSL 4080 Theory and Practice of Teaching ESOL
  - Students in Schools and
  - EEX 3450 Young Children With Special Needs

1. Take all of the following:
2. PR: CET 4483, and MAC 1105
3. PR: EEC 3700

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**

**Admissions**
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**
- None

**8. Electives**
- None

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- None

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**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.cohpa.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 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
  A: Communication Foundations
  B: Cultural & Historical Foundations
  C: Mathematical Foundations
  D: Social Foundations
  E: Science Foundations

2. Common Program Prerequisites (CPP)
- Completed as part of the approved A.S. program
- See ‘Common Prerequisites’ in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (18 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CJL 3510 Prosecution and Adjudication 3 hrs
- CJC 3010 Corrections and Penology 3 hrs
- CJE 4014 Police and Society 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs

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 make a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 130

Honors In Major
- None

Related Programs
- Legal Studies

Certificates
- None

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.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 earn a grade of “C” (2.0) or higher in each course applied toward the major.

1. UCF General Education Program (GEP) (12 hrs)
- Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:

A: Communication Foundations
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students must complete both MAC 2233 and STA 2023 with a “C” (2.0) or better to be waived from ECO 3401.

ECO 3401 Quantitative Business Tools I 3 hrs
or
MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 hrs)

First of subsequent semester in the College of Business 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
- 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 (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 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. This substitution must be petitioned and have written approval.
- ECO 3223 Money and Banking and 3 hrs
- ECP 3203 Labor Economics and 3 hrs
- ECP 4703 Managerial Economics 3 hrs

A.S. Transfer Courses
- Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs

- This course is taken in the graduating term and requires the following prerequisites:
- FIN 3403C Business Finance 4 hrs
- \(^1\) GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- \(^2\) GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- 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
- Must be outside of the College of Business (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 132
Statewide Articulated A.S. To B.S. Programs

Honors In Major
- None
Relates 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, Statistics, and Calculus, 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 the program and students must have a “C”(2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF
Acceptable Substitutes for Transfer Courses
- None
Plan of Study
- None
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/oals/academic_learning_compacts.htm
Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Hospitality Management - A.S. to B.S. Track (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
E-mail: hospitality@mail.ucf.edu
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study
Degree Requirements
- None

1. UCF General Education Program (GEP) (18 hrs)
- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
  A: Communication Foundations
  B: Cultural & Historical Foundations
  C: Mathematical Foundations
  D: Social Foundations
  E: Science Foundations
2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
3. Core Requirements: Basic Level (3 hrs)
  MAC 1105C College Algebra 3 hrs
Select 1:
  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 27 hrs
  HFT 3431 Hospitality industry Managerial Accounting 3 hrs
  HFT 3540 Guest Services Management I 3 hrs
  HFT 4286 Hospitality Communications 3 hrs
  HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
  HFT 4464 Hospitality Industry Finance 3 hrs
  HFT 4941 Internship 1 hr
  HFT 4944 Practicum 1 hr
Select 3  9 hrs
  HFT 3700 Tourism Management 3 hrs
  HFT 3763 Restaurant Management or 3 hrs
  HFT 3273 Principles of Resort Timesharing or 3 hrs
  HFT 4755 Theme Park and Attraction Management or 3 hrs
  HFT 4277 Yacht, Country, And City Club Management 3 hrs
Guest Lecture  1 hr
  1 HFT 3933 Distinguished Lectures in Hospitality Management 1 hr
1 See Program Advisor for Options
5. Restricted Electives (15 hrs)
- Students should select one of the following options to fulfill their hospitality management restricted elective requirement.
Restricted Electives  15 hrs
- Students must take 15 credit hours (five courses) from the following:
  FSS 3008 Culture and Cuisine 3 hrs
  FSS 4135 Corporate Contract and Managed Services Organizations 3 hrs
  FSS 4266C Catering and Banquet Organization 3 hrs
  HFT 3353 Golf Planning & Operations I 3 hrs
  HFT 3354 Agronomy for Golf Course Management 3 hrs
  HFT 3355 Golf Planning & Operations II 3 hrs
  HFT 3357 Golf & Club Event Operations 3 hrs
  HFT 3384 Golf and Club Enterprises Management 3 hrs
  HFT 3654 Franchising in the Restaurant Industry 3 hrs
  HFT 3741 Meeting Management 3 hrs
  HFT 3898 Fairs and Festivals 3 hrs
  HFT 3868 History and Culture of Wine 3 hrs
  HFT 4253 Hotel Operations 3 hrs
  HFT 4266 Restaurant Brand Management 3 hrs
  HFT 4268 Case Studies in Restaurant Management 3 hrs
  HFT 4274 Resort Management 3 hrs
  HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
  HFT 4343 Hospitality Facilities Planning and Design 3 hrs
  HFT 4358 Golf & Club Facility Design 3 hrs
  HFT 4432 Hospitality Industry Auditing 3 hrs
  HFT 4473 Hotel Development Analysis 3 hrs
Statewide Articulated A.S. To B.S. Programs

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 Managing the Guest Experience in the Theme Park and Attraction Industry 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 a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Exam Week only.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 124

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Florida public 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 may be substituted with: ACG X001
HFT 2401 Hospitality Industry Financial Accounting may be substituted with: ACG X011

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Nursing - A.S. to B.S.N. Track (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
Stephen Heglund, RN-BSN Coordinator
Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college,(12/2000 or later)

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
  - A minimum overall undergraduate GPA of 2.5
  - Completion of a Statewide Articulated AS in Nursing from a Florida public community or state college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses.(graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida public community or state college should follow section “B” - RN to BSN Program
  - Current RN License or license eligible
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: STA 2014C Principles of Statistics 3 hrs

   **D: Social Foundations (6 hrs)**
   - Required: SYG 2000 Introduction to Sociology 3 hrs
   - Required: PSY 2012 General Psychology 3 hrs

   **E: Science Foundations (7 hrs)**
   - Required: BSC 2010C Biology I 4 hrs
   - Required: CHM 1032 General Chemistry 3 hrs

2. **Common Program Prerequisites (CPP) (18 hrs)**
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

   1 CHM 1032 General Chemistry GEP
   2 HUN 2011 Human Nutrition 3 hrs
   3 MCB 2004C Microbiology for Health Professionals 4 hrs
   4 PCB 2004C Human Physiology 4 hrs
   5 ZOO 2004C Human Anatomy 4 hrs

   **Select 1:**
   - 2 STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
   - 2 STA 2023 Statistical Methods I GEP

   **Select 1:**
   - 2 SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology
   - 2 SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology 3 hrs

   **Select 1:**
   - Required: SYG 2000 Introduction to Sociology
   - Required: PSY 2012 General Psychology or SYG 2000 Introduction to Sociology GEP

   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 of six-eight total credits
   3 Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

3. **Core Requirements: Basic Level**
   - None

4. **Core Requirements: Advanced Level (51 hrs)**
   - UCF Core
   - Required: Dimensions of Professional Nursing Practice 24 hrs
   - Required: Health Assessment 3 hrs
   - Required: Health Assessment Lab 3 hrs
   - Required: Community Health Nursing 3 hrs

   **NUR 437 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)**
   - May be met by validation.
   - NUR 3445 Nursing Care of Families 3 hrs
   - NUR 3445L Nursing Care of Families Clinical 3 hrs
   - NUR 4227 Nursing Care of the Adult II: Clinical Practice 4 hrs
   - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
   - NUR 4535L Psychiatric Mental Health Clinical 2 hrs
   - NUR 3225 Nursing Care of the Adult I 3 hrs

6. **Restricted Electives (6 hrs)**
   - NSP/NUR XXXX Any two upper division nursing electives 6 hrs

7. **Foreign Language Requirements**
   - None

8. **Electives**
   - None

9. **Additional Requirements**
   - A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.
   - 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).
### Statewide Articulated A.S. To B.S. Programs

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
<th>128</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors In Major</td>
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</tr>
<tr>
<td>Related Programs</td>
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</tr>
<tr>
<td>Health Services Administration</td>
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<td>Social Work</td>
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<td>Related Minors</td>
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<td></td>
</tr>
<tr>
<td>Health Sciences</td>
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</tr>
<tr>
<td>Health Services Administration</td>
<td></td>
</tr>
<tr>
<td>Health Information Management</td>
<td></td>
</tr>
</tbody>
</table>

### 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)

### 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

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![Image of students in graduation caps and gowns]
COMMON COURSE NUMBERING SYSTEM

Classification of Courses
The University course numbering system is as follows:

0-0999. Subcollegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor’s and master’s programs) should check with their adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

Florida’s Statewide Course Numbering System
Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 28 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and the same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a freshman composition skills course is offered by 56 different postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on semester-term systems. For example, 4.0 quarter hours often transfers as 2.87 semester hours.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states: Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code</th>
<th>Century Digit</th>
<th>Decade Digit</th>
<th>Unit Digit</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>No Laboratory component in this course</td>
</tr>
</tbody>
</table>

For example, English Composition Level at this institution Composition Skills, and the unit digit “1” represents “Freshman Composition Skills I.”

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

MSL Military Science and Leadership
MSS Massage
MTB Mathematics - Technical and Business
MTT Marine Technology and Nautical Science
MTG Mathematics - Topology and Geometry
MTS Medical Transcription Science
MUC Music: Composition
MUE Music Education
MUG Music Conducting
MUH Music: History/Musicology
MUL Music Literature
MUM Music: Commercial/Management/Administration
MUN Music Ensembles
MUG Music Opera/Musical Theatre
MUR Music: Church
MUS Music
MUT Music: Theory
MUY Music: Therapy
MVB Applied Music: Brasses
MVH Historical Instruments
MVJ Applied Music: Jazz
MVK Applied Music: Keyboard
MVO Applied Music: Other
MVP Applied Music: Percussion
MVS Applied Music: Strings
MVV Applied Music: Voice
MWW Applied Music: Woodwinds
NEM Nematology
NGR Nursing, Graduate
NMT Nuclear Medicine Technology
NSC Naval Science
NSP Nursing: Special
NUR Nursing, Generic Undergraduate
OCA Office Computer Applications
OCB Biological Oceanography
OCO Chemical Oceanography
OCE General Oceanography
OCE Geographical Oceanography
OCP Physical Oceanography
OFT Occupational Office Technology
OPT Ophthalmic Technology/Vision Care
ORH Ornamental Horticulture
ORI Oral Interpretation
ORV Ornamental Horticulture (Variable Paced)
OSE Optical Science and Engineering
OST Office Systems Technology
OTA Office Technology Applications
OTH Occupational Therapy
PAD Public Administration
PAF Public Affairs
PAS Physician Assistant
PAX Peace Studies
PAX Parks and Zoos
PCB Process Biology
(PCell/Molecular/Ecology/Genetics/Physiology)
PCO Psychology For Counseling
PEL Physical Educ. Act. (Gen./Object Centd., Land
PEN Physical Educ. Activities (Gen./Object Centd., Land
PEQ Physical Educ. Act. (Prof.-Water, Snow, Ice
PET Physical Education Theory
PGY Photography
PHA Pharmacy
PHC Public Health Concentration
PHI Philosophy
PHM Philosophy Of Man and Society
PHP Philosophers and Schools
PHT Physical Therapy
PHY Physics
PHZ Physics (Continued)
PKG Packaging Sciences
PLA Paralegal/Legal Assistant/Legal Administration
PLP Plant Pathology
PLS Plant Science
PLT Polish Culture in Translation or Translation Skills
POL Polish Language
POR Portuguese Language
POS Political Science
POT Political Theory
POWER Portuguese Language (Writings)
PPE Personality
PRN Practical Nursing
PRO Prosthetics/Otologistics
PRT Physical Culture in Translation or Translation Skills
PSB Psychobiology
PSD Physical Sciences
PDQ Physical Education Act. - (Prof.-Object Centrd., Land
PES Physical Education Act. - (Gen.)-Water, Snow, Ice
PET Physical Education Theory
PSR Srtzntal Science in Translation or Translation Skills
PSW Spanish Literature (Writings)
PSX Srtzntal Language
PSY Psychology
PSY Polygraphy
PSY Psychology
PTA Precision Technology Apprenticeships
PTN Pharmacy Technician
PUP Public Policy
RAT Radiation Therapy
RCS Rehabilitation Counseling Services
RED Radiation Education
REE Real Estate
REL Religion
RET Respiratory Care
RHT Radiation Health/Radiation Protection
RUW Russian Literature (Writings)
SAL South Asian Languages
SBM Small Business Management
SBO Small Business Organization
SCE Science Education
SCT Scandinavian Culture in Translation or Translation Skills
SCW Serbo-Croatian Literature (Writings)
SCY Security
SDS Student Development Services
SEC Serbo-Croatian Language
SED Speech Education
SGE Social Engineering
SHO Shona Language
SLA Second Language Acquisition/Institutional Technology
SLG Slavic Languages
SLS Student Life Skills (Learning)
SMT Science or Mathematics Teaching
SNW Scandinavian Literature
SON Sonography
SOP Social Psychology
SOP Social Psychology
SOT Social Work
SPO Speech Communication (497)
SPA Speech Pathology and Audiology
SPB Sports Business
SPC Sports Communication (497)
SPM Sports Management
SPS Spanish Language
SPS School Psychology
Courses Numbered 0-999
Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses
In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

Special Undergraduates Grad
Directed Independent Studies 1906, 2905, 3905, 4906, 5907
Directed Independent Research 4912, 5917
Special Undergraduate Research IDS 3913, 4914
Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
"Internship, Practicum, Clinical Pract 3940, 4941, 5944
Cooperative Education 1949, 2949, 3949, 4949, 5949
Honors Directed Reading¹ 4003H
Honors Directed Reading² 4004H
Study Abroad 4955, 5957

¹These courses may be assigned variable credit. Some may be repeated upon approval.
²The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.
³Enrollment 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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<thead>
<tr>
<th>College/School</th>
<th>Department</th>
<th>Abbreviation</th>
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<tbody>
<tr>
<td>BA</td>
<td>Accounting</td>
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<td>BA</td>
<td>Marketing</td>
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<tr>
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<td>UGST</td>
<td>Undergrad/Interdisc Studies</td>
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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.


AGC 2071 BA-ACCT 3(3,0) Principles of Managerial Accounting: PR: AGC 2071 and MAC 1105C equivalent. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

AGC 3082 BA-ACCT 3(3,0) Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

AGC 3131 BA-ACCT 3(3,0) Intermediate Financial Accounting I: PR: Junior standing. Accounting major or minor and AGC 2021 and AGC 2071 with a grade of “C” (2.0) or better. Technical knowledge about accounting measurement and disclosure, as well as how financial statements are analyzed and interpreted by external users. Fall, Spring.

AGC 3141 BA-ACCT 3(3,0) Intermediate Financial Accounting II: PR: Accounting major or minor, AGC 3131 with a grade of “C” (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

AGC 3361 BA-ACCT 3(3,0) Cost Accounting I: PR: Junior standing, Accounting major or minor, and MAC 1105C, ECO 2013, ECO 2023, and AGC 2071 with a grade of “C”. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

AGC 3501 BA-ACCT 3(3,0) Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of “C” (2.0) or better in AGC 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.


AGC 4401C BA-ACCT 3(3,1) Accounting Information Systems: PR: Accounting major or minor, AGC 3131 and COS 2100C, with a grade of “C” or better. Manual and computer-based accounting information systems. Fall, Spring.

AMH 4680 CAH-HIST 3(3,0) Women in American Science: PR: AMH 2010 or AMH 2020. Examines how American society uses Western ideas about sex and gender to define women's roles in science and their influence on their fields. Even Fall.

AMH 5116 CAH-HIST 3(3,0) Colloquium in U.S. Colonial History I: PR: Graduate standing or senior standing or C.I. Reading and discussion of the literature on selected topics in colonial American history. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5137 CAH-HIST 3(3,0) Colloquium in U.S. Revolutionary Period: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789. Occasional.

AMH 5149 CAH-HIST 3(3,0) Colloquium in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics of the early national period. Occasional.

AMH 5169 CAH-HIST 3(3,0) Colloquium in Age of Jackson: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. Occasional.

AMH 5176 CAH-HIST 3(3,0) Colloquium in Civil War and Reconstruction: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era. Occasional.

AMH 5219 CAH-HIST 3(3,0) Colloquium in Late 19th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th century U.S. Occasional.

AMH 5296 CAH-HIST 3(3,0) Colloquium in 20th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics in 20th-century U.S. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5378 CAH-HIST 3(3,0) History of Technology: PR: Graduate standing or C.I. Intensive discussion of how technology's role in shaping American history.

AMH 5391 CAH-HIST 3(3,0) Colloquium in U.S. Cultural History: PR: Graduate standing or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field. Occasional.

AMH 5406 CAH-HIST 3(3,0) Colloquium in American South: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Southern history from colonial origins to the present. Occasional.

AMH 5446 CAH-HIST 3(3,0) Colloquium in U.S. Frontier: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. Occasional.

AMH 5515 CAH-HIST 3(3,0) Colloquium in U.S. Diplomatic History: PR: Graduate standing or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different. Occasional.

AMH 5566 CAH-HIST 3(3,0) Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Women in American History from colonial time to the present. Occasional.

AMH 5937 CAH-HIST 3(3,0) AP American History: PR: Graduate standing or senior standing or C.I. Students will enhance their knowledge of the course materials presented in this course with the intellectual framework presented in this course.

AMH 3033 CAH-ENG 3(3,0) American Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning through Whitman. Fall, Spring.

AMH 3041 CAH-ENG 3(3,0) American Literature II: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from Twain to the present. Fall, Spring.

AMH 3263 CAH-ENG 3(3,0) Contemporary American Women’s Fiction: PR: Grade of C (2.0) or better required in ENC 1102. Experiences how novels and short stories by contemporary U.S. women define identity from diverse woman-centered and feminist perspectives. Occasional.

AMH 3286 CAH-ENG 3(3,0) American Women’s Words: PR: ENC 1102. Women's writings in the Americas from the 17th century through the mid-19th century. Occasional.

AMH 3613 CAH-ENG 3(3,0) Narratives of Slavery: PR: Grade of C (2.0) or better required in ENC 1102. A study of the representations of slavery in America in the past and present. Occasional.

AMH 3614 CAH-ENG 3(3,0) Topics in African-American Literature: PR: Grade of C (2.0) or better required in ENC 1102. Literature and by about African-American culture in the United States. May be repeated for credit. Occasional.

AMH 3615 CAH-ENG 3(3,0) Harlem, Haiti, and Havana: PR: Grade of C (2.0) or better required in ENC 1102. A comparative study of American and Caribbean writers, focusing on literary history, styles, historical contexts, and themes such as nationalism, popular music, and religion. Occasional.

AMH 3640 CAH-ENG 3(3,0) Native American Literature: PR: Grade of C (2.0) or better required in ENC 1101 and ENC 1102. Native American genres, including traditional oral narratives, ritual and contemporary poetry, autobiography, and the novel. Occasional.


AMH 3682 CAH-ENG 3(3,0) Ethnic Literature in America: PR: ENC 1102. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Occasional.

AMH 3682H CAH-ENG 3(3,0) Honors Ethnic Literature in America: PR: Permission of Honors and ENC 1102 or equivalent credit. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Honors content. Occasional.

AMH 4101 CAH-ENG 3(3,0) American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Analysis of major American novelists. Occasional.

AMH 4153 CAH-ENG 3(3,0) American Poetry at Mid-Century: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Analysis of major figures from the Middle Generation: Berrigan, Bishop, Jarrell, Lowell, Plath, Rich, Roethke, and others. Occasional.

AMH 4155 CAH-ENG 3(3,0) Modern American Poetry: PR: Grade of C (2.0) or better required in ENC 3014. Major American poets of the modern (1900-1950) period. Occasional.

AMH 4261 CAH-ENG 3(3,0) Literature of the South: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. This course will examine writers who have lived in and written about Florida, Florida, and modern American poetry. Occasional.

AMH 4265 CAH-ENG 3(3,0) Florida Writers: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. This course will examine writers who have lived in and written about Florida, Florida, and modern American poetry. Occasional.

AMH 4300 CAH-ENG 3(3,0) Major American Authors: PR: Grade of C (2.0) or better required in ENC 3014. A comprehensive study of selected major American literary figures. May be repeated for credit only when course content is different. Fall, Spring.

AMH 4304 CAH-ENG 3(3,0) Whitman and His Heirs: PR: Grade of C (2.0) or better required in ENC 3014. The work of American poet, Whitman (1819-1892), and his influence on modern American poetry. Occasional.

AMH 4321 CAH-ENG 3(3,0) Modern American Literature: PR: Grade of C (2.0) or better required in ENC 3014. Major writers of modern American literature. Occasional.

AMH 4630 CAH-ENG 3(3,0) Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENC 3014. U.S. literature by writers from Latino and Latina backgrounds. Occasional.

AMH 4507 CAH-ENG 3(3,0) American Literature: PR: Grade of C (2.0) or better required in ENC 3014. U.S. literature by writers from Latino and Latina backgrounds. Occasional.

AMH 4516 CAH-ENG 3(3,0) American Literature I: PR: Grade of C (2.0) or better required in ENC 3014. Major American writers of the modern (1900-1950) period. Occasional.

AMH 4516 CAH-ENG 3(3,0) American Literature II: PR: Grade of C (2.0) or better required in ENC 3014. Major American writers of the modern (1900-1950) period. Occasional.

AMH 4559 CAH-ENG 3(3,0) American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Analysis of major American novelists. Occasional.

AMH 4571 CAH-ENG 3(3,0) American Poetry at Mid-Century: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Analysis of major figures from the Middle Generation: Berrigan, Bishop, Jarrell, Lowell, Plath, Rich, Roethke, and others. Occasional.

AMH 4575 CAH-ENG 3(3,0) Modern American Poetry: PR: Grade of C (2.0) or better required in ENC 3014. Major American poets of the modern (1900-1950) period. Occasional.
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<tr>
<th>COURSE</th>
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<tr>
<td>ANG 5301</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<tr>
<td>ANG 5307</td>
<td>COS-ANTHRO</td>
<td>Peoples and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonialism, traditional peoples, social change, and modernization. Occasional.</td>
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<td>ANG 5341</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<tr>
<td>ANG 5486</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<tr>
<td>ANG 5531</td>
<td>COS-ANTHRO</td>
<td>Nutritional Anthropology: PR: One course in Biological 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.</td>
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<td>ANG 5620</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<tr>
<td>ANG 5622</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<tr>
<td>ANG 5738</td>
<td>COS-ANTHRO</td>
<td>Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological methodologies in the study of health and disease. Odd Fall.</td>
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<td>ANG 5742</td>
<td>COS-ANTHRO</td>
<td>Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Occasional.</td>
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<td>ANG 5822</td>
<td>COS-ANTHRO</td>
<td>Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary infield research in the Maya area. Spring.</td>
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<tr>
<td>ANT 2140</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<td>ANT 2410</td>
<td>COS-ANTHRO</td>
<td>Cultural Anthropology: An introduction to human diversity as examined among various cultures and ethnic groups. Fall, Spring.</td>
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<td>ANT 2511H</td>
<td>COS-ANTHRO</td>
<td>The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.</td>
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<td>ANT 3106</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<td>ANT 3115</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<tr>
<td>ANT 3142</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<tr>
<td>ANT 3145</td>
<td>COS-ANTHRO</td>
<td>Archaeology of Complex Societies: PR: ANT 2140 or an introduction to archaeological perspectives on ancient hierarchies of power. Fall.</td>
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<tr>
<td>ANT 3148</td>
<td>COS-ANTHRO</td>
<td>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 royalty in Ancient Egypt (3200 BCE-AD 600). Occasional.</td>
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<tr>
<td>ANT 3158</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<tr>
<td>ANT 3160</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<td>ANT 3161</td>
<td>COS-ANTHRO</td>
<td>Archaeology of Mexico: PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. Occasional.</td>
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<tr>
<td>ANT 3163</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<tr>
<td>ANT 3164</td>
<td>COS-ANTHRO</td>
<td>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, ethnohistorical, historical, and contemporary anthropological sources. Occasional.</td>
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<td>ANT 3165</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<tr>
<td>ANT 3168</td>
<td>COS-ANTHRO</td>
<td>Maya Archaeology: PR: CR: ANT 2000 or ANT 2140 or C.I. An examination of the Prehistoric Maya culture focusing on both the archaeological and current issues in the field. Occasional.</td>
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<td>ANT 3173</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<td>ANT 3241</td>
<td>COS-ANTHRO</td>
<td>Magic, Ritual, and Belief: PR: 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.</td>
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<tr>
<td>ANT 3245</td>
<td>COS-ANTHRO</td>
<td>Native American Religions: PR: ANT 2000 or ANT 2410 or C.I. The religious beliefs of native New World peoples. Occasional.</td>
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<td>ANT 3273</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<tr>
<td>ANT 3302</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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<td>ANT 3314</td>
<td>COS-ANTHRO</td>
<td>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 North American Northeast. Occasional.</td>
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<tr>
<td>ANT 3316</td>
<td>COS-ANTHRO</td>
<td>Indians of the Northwest Coast: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northwest Coast of North America. Occasional.</td>
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<tr>
<td>ANT 3330</td>
<td>COS-ANTHRO</td>
<td>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.</td>
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UCF Courses and Descriptions

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)

ARE 2452 ED-TL&L 3(3.0)
Art for Exceptionalities: PR: EDG 4323 and at least junior standing; C.I. and C.I. Materials available for instruction in special education; methods of integrating art programs 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 2(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 2(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(3.0)
Teaching Art Appreciation & Criticism in the Classroom: PR: Permission. 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 internship for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

ARE 5251 ED-TL&L 3(2.1)
Art for Exceptionalities: Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. Occasional.

ARE 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(2.0)
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)

ARE 2400 ED-CFCS 3(3.0)
Early Childhood Art and Creativity: An examination of developmental patterns in children's artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee $5.00.

ARE 2500 CAH-SVAD 3(2.3)
Community Arts Practicum: PR: C.I. A supervised experience in facilitating art programming in a variety of community settings. Occasional.

ARE 2558 ED-TL&L 3(3.0)

ARC 3318 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 3363 CAH-CAH 3(3.0)
Materials and Methods of Construction 2: CR: ARC 3432L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

ARC 3374 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 architectural 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-CFCS 3(3.0)
Early Childhood Art and Creativity: An examination of developmental patterns in children's artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee $5.00.
ARH 3863 CAH-SVAD  3(3,0)
Southern Folk Arts: PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. Occasional.

ARH 3710 CAH-SVAD  3(3,0)
History of Photography I: PR: Junior Standing or C.I. A study of the history of photography, from its earliest invention to 1900. The content of this course is designed for art majors. Occasional.

ARH 3713 CAH-SVAD  3(3,0)
20th Century Photographic History: PR: Junior Standing. The history of the evolution of still photography from the early 20th Century to contemporary practice. Occasional.

ARH 3720 CAH-SVAD  3(3,0)
History of Prints: PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the ‘great printmakers’. Occasional.

ARH 3728 CAH-SVAD  3(3,0)

ARH 3820 CAH-SVAD  3(3,0)
Visual Arts Administration Vitas: PR: Junior Standing or C.I. Creative processes, Personnel, copyright laws, museum practices, etc. Occasional.

ARH 3842 CAH-SVAD  3(3,0)
Art History Abroad: Italy: PR: ARH 2050 and ARH 2051 or C.I. Meets in Italy and explores Italian art, architecture, artists, patrons, and culture from the Roman period through the late Baroque. Occasional.

ARH 4130 CAH-SVAD  3(3,0)
Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.

ARH 4150 CAH-SVAD  3(3,0)
Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. Occasional.

ARH 4200 CAH-SVAD  3(3,0)
Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.

ARH 4310 CAH-SVAD  3(3,0)
Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. Occasional.

ARH 4350 CAH-SVAD  3(3,0)
Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. Occasional.

ARH 4352 CAH-SVAD  3(3,0)
Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.

ARH 4430 CAH-SVAD  3(3,0)
19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.

ARH 4450 CAH-SVAD  3(3,0)
20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, Cubism, Futurism, Cubism to the art of the present. Occasional.

ARH 4540 CAH-SVAD  3(3,0)
Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. Occasional.
Successful portfolio review. Examines the concepts of three-occasional. 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. Fall, Spring.

ART 4302C CAH-SVAD  3(2,4)
Advanced Designing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in painting. May be repeated for credit. Even Fall, Spring. M&S fee $30.00

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. Fall, Spring.

ART 4505C CAH-SVAD  3(2,4)
Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. Fall, Spring. M&S fee $15.00

ART 4634C CAH-SVAD  3(3,1)

ART 4644C CAH-SVAD  3(3,1)

ART 4710C CAH-SVAD  3(2,4)
Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. May be repeated for credit. Fall, Spring. M&S fee $45.00

ART 4765C CAH-SVAD  3(2,4)
Concrete Handbuilding II: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, 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 4780C CAH-SVAD  3(2,4)

ART 4783C CAH-SVAD  3(2,4)

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 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 4954 CAH-SVAD  3(3,0)
Scotland Study Abroad: PR: ART 2203, ART 2301C, ART 2301C or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.

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 and Sequential Form: I: PR: Admission to MFA. Studio course exploring serial imaging history, and perception of book forms. M&S fee $45.00

ART 5281C CAH-SVAD  3(3,0)
Design Theory and Methodologies: 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 6636C. Methods and media related 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 5691 and ART 5820C 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 gradu- ate 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
UCF Courses and Descriptions

AST 5765C COS-PHYS 3(3,1) Advanced Astronomical Data Analysis: PR: MAE 5732 or 5900 and higher course in astronomy or planetary science, ability to write simple computer programs, or C.I. Advanced astrophysical data analysis and interpretation; techniques of experimental design, data reduction, computer programming, and 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 Trainers 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 3212C HPA-HP 3(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 lower extremity and spine and provide immediate management. Fall.

ATR 3312C HPA-HP 3(2,1) Injury, Management, and Rehabilitation: PR: ZOO 3733C or ZOO 3736C. COPHA Students only or C.I. Recognition and management of common injuries found in active populations. Therapeutic modalities and therapeutic exercise are integrated through the course. Fall.

ATR 3812L HPA-HP 4(0,16) Practicum in Athletic Training I: PR: ATR 3102. Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

ATR 3822L HPA-HP 4(0,16) Practicum in Athletic Training II: PR: ATR 3812L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

ATR 4014C HPA-HP 3(2,2) Introduction to Athletic Training: PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. Occasional. M&S fee $33.50

ATR 4012C HPA-HP 3(3,0) Sports Medicine Field Application: Demonstration and application of the treatment for various sports injuries. Spring.

ATR 4132 ED-CFCFS 3(3,0) Human Injuries: Mechanisms & Prevention: PR: Admission to Sport and Fitness program. ATR 2010C and ZOO 3736C, PET 4312C (all required); or C.I. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. Fall, Spring.

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 4315C HPA-HP 3(1,2) Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. ATR 4313C 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 2132C. Administrative knowledge in the athletic training profession. Fall.

ATR 4832L HPA-HP 4(0,16) Practicum in Athletic Training III: PR: ATR 3212L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

ATR 4842L 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.


BCH 4054 COS-CHEM 3(3,0) Biochemistry II: PR: BCH 4053. Continuation of BCH 4053. Spring.

BCH 4103L COS-CHEM 2(0,6) Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantitation of materials of biological significance. Spring. M&S fee $70.00

BME 5572 ECS-ECE 3(3,0) Biomedical Nanotechnology: PR: EEL 3123C or C.I. Human Physiology, Biotechnical Phenomenon 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 3002, 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 ethobotanical 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 4303C COS-BIOL 5(3,6) Plant Kingdom: PR: BSC 2010C and BSC 2011C, or C.I. A survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. Occasional. M&S fee $40.00

BSC 4434C COM-MSM 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, genetics, 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 4686C 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 4850C 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 which 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
BSC 1050 COS-BIOL 3(3.0)


BSC 3403C COS-M&M 4(4.0)

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

BSC 340H COS-M&M 4(4.0)

Quantitative Biological Methods-Honors: PR: Consent of Honors. BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3424 COS-M&M 3(3.0)

Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2951H. Biological processes in nanoscale interactions with elements of physics & engineering. Occasional.

BSC 3949 COS-BIOL 0(0.8)


BSC 4101 COS-BIOL 3(3.0)

## UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAP 4720</td>
<td>Web Application Authoring Tools</td>
<td>3(3,0)</td>
<td>PR: COP 3503C, COT 3690, and MAC 2147 or equivalent (Math for computer graphics, visibility and shading, and graphics API). Occasional.</td>
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</tr>
<tr>
<td>CAP 5015</td>
<td>Multimedia Compression on the Internet</td>
<td>3(3,0)</td>
<td>PR: Senior or graduate, students with interest in Internet technology. Multimedia data; internet technology; entropy; compression methods; lossy compression; vector quantization; transform coding; wavelet video compression; model-based compression. Occasional.</td>
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<tr>
<td>CAP 5055</td>
<td>AI for Game Programming</td>
<td>3(3,0)</td>
<td>PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.</td>
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</tr>
<tr>
<td>CAP 5066</td>
<td>Web Application Authoring Tools</td>
<td>3(3,0)</td>
<td>PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining Web sites, and methodologies for determining which is best suited for a particular application environment. Fall.</td>
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<tr>
<td>CAP 5100</td>
<td>Human-Computer Interface Design</td>
<td>3(3,0)</td>
<td>PR: COP 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.</td>
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<tr>
<td>CAP 5145</td>
<td>Computer Vision</td>
<td>3(3,0)</td>
<td>PR: COP 3603C, MAC 2131, and COT 3690. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.</td>
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<tr>
<td>CAP 5510</td>
<td>Bioinformatics</td>
<td>3(3,0)</td>
<td>PR: Background in programming language or molecular biology. This course introduces problems, concepts, algorithms, and applications in Bioinformatics. Includes essential topics such as sequence alignment and prediction of gene and protein structures. Occasional.</td>
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<tr>
<td>CAP 5512</td>
<td>Evolutionary Computation</td>
<td>3(3,0)</td>
<td>PR: CAP 4630 or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.</td>
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</tr>
<tr>
<td>CAP 5610</td>
<td>Machine Learning</td>
<td>3(3,0)</td>
<td>PR: CAP 4630 or C.I. Original evaluation of machine intelligence; machine learning concepts and their applications in problem solving, planning and “expert systems” symbolic role of human and computers. Occasional.</td>
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<tr>
<td>CAP 5636</td>
<td>Advanced Artificial Intelligence</td>
<td>3(3,0)</td>
<td>PR: CAP 4630. AI theory of knowledge representation, “expert systems”, memory organization, problem solving, planning, learning, vision, and natural language. Fall.</td>
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<tr>
<td>CAP 5725</td>
<td>Computer Graphics I</td>
<td>3(3,0)</td>
<td>PR: COP 4630 or C.I. Original evaluation of machine intelligence; display hardware; principles of programming and display software; problems and applications of graphics systems. Spring.</td>
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<tr>
<td>CSH 3003</td>
<td>Comparative Psychology</td>
<td>3(3,0)</td>
<td>PR: PSY 2012. A study of comparative behaviors of lower animals. Occasional.</td>
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<tr>
<td>CCE 4003</td>
<td>Introduction to the Construction Industry</td>
<td>3(3,0)</td>
<td>PR: EGN 3613, ENV 3001, EGN 3310 all with a grade of “C” (2.0) or better; CR: CWR 3201. Project delivery systems, construction estimating and scheduling, ethics and labor issues. Multi-disciplinary experience in engineering. Fall.</td>
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<tr>
<td>CCE 4004</td>
<td>Construction Methods</td>
<td>3(3,0)</td>
<td>PR: CEE 4100C with a grade of “C” (2.0) or better. Focus on construction methods for civil and structural systems, design of temporary structures, safety, and building codes. Spring.</td>
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<tr>
<td>CCE 4034</td>
<td>Construction Estimating and Scheduling</td>
<td>3(3,0)</td>
<td>PR: CCE 4033 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.</td>
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<tr>
<td>CCE 4402</td>
<td>Construction Equipment and Productivity</td>
<td>3(3,0)</td>
<td>PR: CCE 4033, 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.</td>
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<tr>
<td>CCE 5006</td>
<td>Construction Estimation and Scheduling</td>
<td>3(3,0)</td>
<td>Introduction to Construction Industry: PR: Post-bacc status or C.I. This course introduces students to the construction industry. Topics include project phasing, project delivery systems, contracts, estimating and scheduling and drawing and specifications. Research paper required. Occasional.</td>
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<tr>
<td>CCE 5036</td>
<td>Mechanical and Electrical Systems for Buildings</td>
<td>3(3,0)</td>
<td>PR: CCE 4004, CCE 4813 all with a grade of “C” (2.0) or better. Design and construction of mechanical and electrical systems for buildings. Fall.</td>
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<tr>
<td>CCE 5050</td>
<td>Construction Equipment and Productivity</td>
<td>3(3,0)</td>
<td>PR: Post-bacc status or C.I. This class covers construction project evaluation principles along with construction methods for civil and structural systems. Occasional.</td>
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<tr>
<td>CCE 5046</td>
<td>Construction Equipment and Productivity</td>
<td>3(3,0)</td>
<td>PR: Selection of appropriate equipment based on operational parameters. Principles of construction productivity measurement and analysis. Discrete event simulation. Occasional.</td>
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</tr>
<tr>
<td>CCE 5815</td>
<td>Mechanical and Electrical Systems for Buildings</td>
<td>4(4,0)</td>
<td>PR: CCE 4004, CCE 4813 all with a grade of “C” (2.0) or better. Focus on mechanical and electrical systems for buildings. Research paper required. Occasional.</td>
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<tr>
<td>CCJ 3014</td>
<td>Crime in America</td>
<td>3(3,0)</td>
<td>PR: CCE 4033, CWR 3201. A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of the behavior. Fall, Spring.</td>
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<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System</td>
<td>3(3,0)</td>
<td>PR: CCE 4033, CWR 3201 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.</td>
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<tr>
<td>CCJ 3450</td>
<td>The Criminal Justice Manager</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. Course includes topics related to the criminal justice system. Administration leadership; its nature, methods, and traits. Recent theories and research in leadership. Occasional.</td>
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<tr>
<td>CCJ 3451</td>
<td>Justice System Technology</td>
<td>3(3,0)</td>
<td>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.</td>
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<tr>
<td>CCJ 3483</td>
<td>Labor Relations in Criminal Justice</td>
<td>4(4,0)</td>
<td>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.</td>
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<tr>
<td>CCJ 3661</td>
<td>Victims and the CJ System</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024. Course examines Victims as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim offender programs. Occasional.</td>
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<tr>
<td>CCJ 4035</td>
<td>Crime and the Media</td>
<td>3(3,0)</td>
<td>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.</td>
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<tr>
<td>CCJ 4054</td>
<td>Criminal Justice Ethics</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.</td>
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<tr>
<td>CCJ 4066</td>
<td>Criminal Justice Dimensions of Genocide</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 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 it. Occasional.</td>
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<tr>
<td>CCJ 4076</td>
<td>Crime Analysis II</td>
<td>3(3,0)</td>
<td>PR: CJE 4654, CJE 4663. Designed to provide advanced data analysis skills that will enable a crime analysis sophisticated methodologies to crime analysis. Occasional.</td>
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<tr>
<td>CCJ 4129</td>
<td>Criminal Diversity in Criminal Justice</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024. This course focuses on the problems and issues associated with ethnic, criminal and gender relations in the administration of justice in a democratic society. Occasional.</td>
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<td>CCJ 4195</td>
<td>Interviews &amp; Interrogations in CJ</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. 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.</td>
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<tr>
<td>CCJ 4296</td>
<td>Famous Crimes &amp; Trials</td>
<td>3(3,0)</td>
<td>PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.</td>
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<tr>
<td>CCJ 4361</td>
<td>Death Penalty</td>
<td>3(3,0)</td>
<td>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.</td>
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<tr>
<td>CCJ 4641</td>
<td>Organized Crime</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. Major or C.I. An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.</td>
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<tr>
<td>CCJ 4644</td>
<td>White Collar Crime</td>
<td>3(3,0)</td>
<td>PR: CCJ 3014 and CCJ 3024. Classical definitions and statements on white collar crime concepts, concepts and criminal activities, types of fraud, investigations, environmental crime, and corporate crime. Occasional.</td>
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CCJ 4651 HPA-CJ 3(3,0) Drugs and Crime: Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4670 HPA-CJ 3(3,0) Women and Crime: This course covers women in criminal justice as offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.


CCJ 4690 HPA-CJ 3(3,0) Sex Offenders and the Criminal Justice System: PR: CCJ 3024 or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4701 HPA-CJ 3(3,0) Research Methods in Criminal Justice: Overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social scientists and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4934 HPA-CJ 1-3(1-3,0) Emergent Criminal Justice Issues: CCJ 4934 HPA-CJ  1-3(1-3,0) used in criminal justice, covers the major forms of research methods in criminal justice, focusing on contemporary issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be repeated in the degree program a maximum of 3 times. Occasional.

CCJ 5934 HPA-CJ 1(1,0) Criminal Justice Investigative Process: PR: Graduate standing or C.I. Advanced seminar providing students with a broad view of how criminal justice investigative processes operate. Focuses on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 4 times. Occasional.


CDA 5106 ECS-CS 3(3,0) Advanced Computer Architecture: PR: EEL 4708C. Modern processor design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O. Fall, Spring.


CEG 3301 ECS-CECE 3(3,0) Engineering and Environmental Geology: PR: EGN 3311 and CHS 1440 or equivalent. Principles of physical geology, with emphasis on engineering and environmental topics. Study of land forms, geologic maps, geologic structure, weathering, groundwater, mass wasting, and earthquakes. Occasional.

CEG 401C ECS-CECE 4(3,2) Geotechnical Engineering I: PR: EGN 3331, CWR 3201 both with a grade of "C" (2.0) or better. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Foundation considerations and bearing capacity. Fall, Spring. M&S fee $21.00

CEG 401D ECS-CECE 3(3,0) Geotechnical Engineering II: PR: CEG 401C with a grade of "C" (2.0) or better. Design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&S fee $14.00

CEG 4812 ECS-CECE 1(1,0) Historical Developments in Civil Engineering: Seminar covering major and historical developments in civil engineering. Occasional.

CEG 5015 ECS-CECE 3(3,0) Geotechnical Engineering II: PR: CEG 401C. Continuation of CEG 01T with shear strength and design factors for earth pressures, bearing capacity, and slope stability. Occasional.

CEG 5405 ECS-CECE 3(3,0) Soils in Silt: PR: CEG 401C. Principles of flow through soils: flow nets, analytical solutions; seepage forces, design of filters and drainage layers; dewatering, drainage in dams, embankments, and pavement systems. Even Spring.

CEG 5700 ECS-CECE 3(3,0) Geo-Environmental Engineering: PR: CEG 401C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater control, water quality, and landfill design, control of contaminated sites. Occasional.

CEN 4020 ECS-CS 3(3,0) Component-based Engineering Software: PR: EEL 4851C, EEL 4882. In-depth treatment of component-based software development including analysis design and implementation of correct and reusable software in different component levels. Occasional.

CEN 5016 ECS-CS 3(3,0) Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.
UCF Courses and Descriptions

CET 3405 ECS-ECS 3(3,0) Applied Operating Systems I: PR: CET 2364. Study of fundamental concepts and support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.

CET 4663 ECS-ECS 3(3,0) Computer and Network Security: PR: CET 4483, MAC 1105C. Fundamental concepts of computer security technology, including cryptography, authentication, digital signatures, and network security tools and applications. 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 texts. 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, designing network structures, choosing appropriate technologies, and evaluating results. Fall.

CIS 2100C ECS-CS 3(2,1) Computer Fundamentals for Business: Uses of computers and software in business, including business applications, commercial packages, and the internet. Not open to Computer Science majors. Fall, Spring. M&S fee $12.00

CIS 2545C ECS-CS 3(2,1) Database Concepts: PR: CGS 1060C or equivalent. Entity-relations model, relational database management systems, normal forms, performance or databases, report generation. Fall, Spring.


CIS 3176 ECS-CS 3(3,0) Internet Programming: PR: CGS 1060C. HTML coding, using images, sound and animation, advanced text formatting, forms and CGI scripts, introduction to javascript. Fall, Spring.


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 credits. Occasional.


CHI 2200 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, Spring.
CHM 2041  COS-CHEM  3(3,0)  Intermediate Chinese II: PR: CHM 2200. Continuation of CHM 2200 with emphasis on Chinese cultures. Fall, Spring.

CHM 1032  COS-CHEM  3(3,0)  Concepts in Chemistry: PR: High school algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

CHM 1032L  COS-CHEM  1(0,3)  General Chemistry Laboratory: PR: or CR-CHM 1032. Preference will be given to students whose major requires this course. This introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately contact the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00.

CHM 2040  COS-CHEM  3(3,0)  Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reaction, stoichiometry, reactions in aqueous solutions, thermochemistry. The "NC" grading policy applies to this course. Fall. M&S fee $6.00.

CHM 2041  COS-CHEM  3(3,0)  Chemistry Fundamentals IB: PR: CHM 2040C or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2040C. Atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Spring.

CHM 2045C  COS-CHEM  4(3,1)  Honors Chemistry Fundamentals I: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Same as CHM 2045C with honors-level content. Fall. Spring. M&S fee $9.00.

CHM 2045C  COS-CHEM  4(3,1)  Chemistry Fundamentals I: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reaction, 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.

CHM 2046  COS-CHEM  3(3,0)  Chemistry Fundamentals II: PR: "C" grade or better in CHM 2045C or CHM 2041C. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2040C & CHM 2041C sequence. Intermediate reactions, solubilities, and coligative properties. equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall. Spring.

CHM 2046C  COS-CHEM  3(3,0)  Honors Chemistry Fundamentals II: PR: CHM 2045C and CHM 2046L with honors-level content. Spring. M&S fee $35.00.

CHM 2046L  COS-CHEM  1(0,3)  Chemistry Fundamentals Laboratory: CR: CHM 2046. Priority will be given to students whose major requires this course. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately contact the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00.

CHM 2205  COS-CHEM  5(5,0)  Introduction to Inorganic and Biochemistry I: PR: CHM 2042 or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.

CHM 2210  COS-CHEM  3(3,0)  Organic Chemistry I: PR: CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. Fall, Spring.

CHM 2211  COS-CHEM  3(3,0)  Organic Chemistry II: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.

CHM 2211L  COS-CHEM  1(0,3)  Organic Laboratory Techniques I: PR: CHM 2210. Priority will be given to students whose major requires this course. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately contact the Chemistry Department, and may be dropped from the class. Fall. Spring. M&S fee $70.00.

CHM 3120  COS-CHEM  3(3,0)  Analytical Chemistry: PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall, Spring.

CHM 3120L  COS-CHEM  1(0,3)  Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2046L, and PR: or CR: CHM 3120. Experimental exercise of quantitative methods of analysis using titrimetric, gravimetric, potentiometric and photometric methods of analysis including statistical treatment of experimental data. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately contact the Chemistry Department, and may be dropped from the class. Occasional. M&S fee $25.00.

CHM 3212L  COS-CHEM  2(0,6)  Organic Laboratory Techniques II: PR: CHM 2211. Open-end laboratory to develop synthesis techniques and structure elucidation skills. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately contact the Chemistry Department, and may be dropped from the class. Fall. M&S fee $70.00.


CHM 3411  COS-CHEM  3(3,0)  Physical Chemistry II: PR: CHM 3410. Continuation of CHM 3410. Spring.

CHM 3411L  COS-CHEM  1(0,3)  Physical Chemistry Laboratory: PR: CHM 3410 and CR: CHM 3411. Classical and modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&S fee $70.00.

CHM 3422  COS-CHEM  3(0,0)  Applied Physical Chemistry: PR: PHY 2049C and MAC 2212. Physical chemistry as applied to the study of biological and forensic science. Fall.

CHM 4130  COS-CHEM  3(0,0)  Advanced Analytical Laboratory Technique: PR: CHM 2211, CHM 3120 (with a minimum grade of "C" or 2.0) and CR-ChM 3411 or PR-CHM 3422. Modern methods of analysis including electrochemistry, spectrosopy, and separation techniques. Spring.

CHM 4130L  COS-CHEM  2(0,6)  Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. Experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee $70.00.

CHM 4220  COS-CHEM  3(0,0)  Organic Chemistry: PR: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Occasional.

CHM 4610  COS-CHEM  3(0,0)  Inorganic Chemistry: PR: or CR: CHM 3411. A discussion of descriptive inorganic chemistry based on various bonding theories, thermodynamics, and kinetics. Spring.

CHM 4610L  COS-CHEM  3(3,0)  Advanced Inorganic Chemistry Laboratory: PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall. M&S fee $70.00.

CHM 4914C  COS-CHEM  1(1,1)  Undergraduate Research Methods: PR: CHM 2211 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall, Spring.

CHM 4930  COS-CHEM  1(1,0)  Chemistry Seminar I: PR: CHM 3120 or C.I. Student selects a topic and an advisor and prepares a draft seminar. Fall.

CHM 4931  COS-CHEM  1(1,0)  Chemistry Seminar II: PR: CHM 4930. Student improves the seminar prepared in CHM 4930 (or an approved alternative) and presents it to the Chemistry department. Fall, Spring.

CHM 5225  COS-CHEM  3(3,0)  Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.

CHM 5235  COS-CHEM  3(0,0)  Applied Molecular Spectroscopy: PR: CHM 2210 and, graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.

CHM 5305  COS-CHEM  3(0,0)  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.

CHM 5450  COS-CHEM  3(0,0)  Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characteristics, and polymer properties will be considered. Even Fall.

CHM 5450C  COS-CHEM  3(1,5)  Techniques in Polymer Science: PR: CHM 2211 and, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Fall. M&S fee $45.00.
CHM 5580 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 5715C COS-CHEM 3(2,3) Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4100 equivalent. Clusters, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize structural 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 1002. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibrium, electrochemistry and thermodynamics. The "NC" grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3.0) Introduction to Forensic Science: PR: Preference will be given to students whose majors require this course. Intermediate majors and non-majors may be given 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 fundamentals 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 to identify and compare trace evidence. Spring. M&S fee $45.00

CHS 3514C COS-CHEM 3(2,3) Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast 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 3505 & 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 3233. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 3533L COS-CHEM 1(0,3) Forensic Biochemistry I Laboratory: PR: ‘C’ (2.0) grade or better in BSC 2010C, PCB 3063, PCB 3083L, PCB 3233, 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: CR: CHM 3120 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3559S COS-CHEM 3(3,0) Forensic Science in the Courtroom: PR: CR: CHS 3501 and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3949 COS-CHEM 0(0,8) Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded SU. May be repeated for credit. 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 product or process. 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 4515C COS-CHEM 4(2,6) Forensic Crime Scene Investigation: PR: Grade of "C" or better in CHS 3511C. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

CHS 4534C COS-CHEM 3(1,6) Forensic Biochemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for evidence interpretation. Spring. M&S fee $70.00

CHS 4537 COS-CHEM 2(2,0) Forensic Laboratory Quality Assurance: PR: Grade of "C" or better in CHS 5001, CHS 3533C, and 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 in forensic laboratory 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 5591 COS-CHEM 4(0,40) Forensic Science Internship: PR: Senior standing within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. May be repeated for credit. Occasional.

CHS 4615 COS-CHEM 3(3,0) Environmental Chemistry: PR: CHM 2046, Senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science M.S program or C.I. Principles of forensic science as developed for their use in criminal cases 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 grand proceedings. Occasional.

CHS 5590 COS-CHEM 3(3,0) The Forensic Examination of the Courtroom: PR: CHS 3533, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Spring.


CJE 3001 HPA-CJ 3(3.0) Careers in Criminal Justice: PR: CCJ 3024 or C.I. Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. Fall, Spring.

CJE 3444 HPA-CJ 3(3.0) Crime Prevention: PR: CCJ 3024 or C.I. An overview and analysis of crime prevention strategies used in the private and public sectors. Fall, Spring.

CJE 3662 HPA-CJ 3(3.0) CJ Information Technology and Data Management: PR: CCJ 3024. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. Occasional.

CJE 4012 HPA-CJ 3(3.0) Criminal Profiling in Criminal Justice: PR: CCJ 3014 or E. Examines profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

CJE 4014 HPA-CJ 3(3.0) Police and Society: CCJ 3024 or C.I. An introduction of the varied roles of police in society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

CJE 4174 HPA-CJ 4(4.0) Comparative Justice Systems: PR: CCJ 3024 and CJL 3510 or C.I. An overview of management of foreign criminal justice system and differences emerging from various political, cultural and legal systems. Occasional.

CJE 4352 HPA-CJ 3(3.0) Policy Development in Law Enforcement: PR: CJE 4014. The course is designed to deal with policy development in law enforcement. Major issues of organizational, administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410 HPA-CJ 3(3.0) Community Policing: PR: CCJ 3014, CJE 4014. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.

CJE 4572 HPA-CJ 3(3.0) Justice Agency Operations: PR: CCJ 3024 and CJL 3510 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.

CJE 4610 HPA-CJ 3(3.0) Criminal Investigation: PR: CJE 4014. Course acquaints students with basic Procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.


CJE 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 5120 HPA-CJ 3(3.0) Personnel Management in Criminal Justice Organizations: PR: Graduate status or C.I. This course provides a general overview of the issues and problems in the management of criminal justice agencies with an emphasis on best practices. Spring.


CJ 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.

CJ 4564 HPA-CJ 3(3.0) Juvenile Justice System: PR: CCJ 3024 and CJL 3510 or C.I. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.

CJ 3110 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.

CJL 3510 HPA-CJ 3(3.0) Prosecution and Adjudication: PR: CCJ 3024 or PLA 3014 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of charging, adjudicating, and sentencing defendants. Fall, Spring.

CJL 4016 HPA-CJ 3(3.0) Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages; including stops and frisks; 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.

CJL 4410 HPA-CJ 3(3.0) Legal Aspects of the Criminal Court Process: PR: CCJ 3010. The legal dimensional of various criminal court decision making stages, including bail; charging; preliminary hearing; grand jury; pretrial hearings plea hearings; trial; and, sentencing. Occasional.


CJL 5049 HPA-CJ 6(6.0) International Perspectives on Law and Justice: PR: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.


CJT 3821 HPA-CJ 3(3.0) Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. Occasional.

CJT 4843 HPA-CJ 3(3.0) Risk Management in Criminal Justice/Private Security: PR: SCC 3311. This course examines the concept of risk management in a criminal justice context. Occasional.


CLP 3143 COS-PsyCh 3(3.0) Abnormal Psychology: PR: PSY 2012 and PPE 3003C. Classification, causation, and treatment of deviant patterns of behavior. Fall, Spring.


CLP 3184 COS-PsyCh 3(3.0) Women’s Mental Health: PR: PSY 2012. 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-PsyCh 3(3.0) Clinical Psychology: PR: PPE 3003C 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-PsyCh 3(3.0) Contemporary Behavioral Therapy: PR: CJE 4043. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavioral therapy, including treatment strategies for particular behavior disorders. Occasional.

CLP 3467C COS-PsyCh 3(2.2) Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 2012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.


CLP 4143 COS-PsyCh 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 empirical phases for prevention, assessment and intervention approaches for these focal areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. Occasional.

CLP 4397 COS-PsyCh 3(3.0) Forensic Psychology: PR: PSY 2012 and SOP 3751. Clinical practice of psychology within the legal system, including forensic evaluation of competency/insanity, treatment, and criminal profiling. Spring.


CLP 5166 COS-PsyCh 3(3.0) Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5187 COS-PsyCh 3(3.0) Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CLT 3370 AHA-Phil 3(3.0) Classical Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WHO 2012, or LIT 2110. The myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.
CLT 3378 CAH-PHIL 3(3.0)
Comparative Mythology: PR: ENC 1102 and either HUM 2300, REL 2100, WVN 2300, or CRJ 2120. Common themes found in the many cultures of various theories; their origins, meaning and value in human experience. Occasional.

CMC 4240 COS-COMM 3(1.2)
Corporate/Institutional Video: PR: RTV 3200, RTV 3220, or RTV 3200C. Preparation of non-broadcast corporate/institutional video programs including planning, budgeting, production, and evaluation. Occasional.

CMT 3004 ECS-CS 3(3.0)

CMT 4403 ECS-CS 3(3.0)
Network Security and Privacy: PR: (CMT 3004 or EEL 4781 or CMT 4704) or CIS 3560 or CIS 3562 or C.I. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. Occasional.

CMT 4603 ECS-CS 3(3.0)
System Administration and Maintenance: PR: C.S.G. 3329, 3330, 3335. An overview of operating systems and applications installation, configuration, and maintenance, including client-server services, content management and deployment, server administration and management, and user/group management. Fall, Spring.

CMT 4703C ECS-CS 3(3.0)
Design and Implementation of Computer Communication Networks: PR: CNT 3004, COP 3502C, MAD 2104 or COP 3101C. Data communication network fundamentals and applications for tree, multipoint, Ethernet, Gigabit Ethernet, ATM, Frame Relay, protocols (routers, switches, adapters, cabling). Base design and detailed configuration including hands-on exercises. Fall, Spring. M&S fee $16.00.

CMT 4704 ECS-CS 3(3.0)
Analysis of Computer Communication Networks: PR: CNT 3010C, STA 2023, MAC 2212. Network design using layering, introduces cabling, topology, architecture, hardware, and software. Includes performance and control issues such as congestion control, error control, contention resolution. Occasional.

CMT 4714 ECS-CS 3(3.0)

CMT 5008 ECS-CS 3(3.0)

COM 1000 COS-COMM 3(3.0)
Introduction to Communication: Survey course introducing students to theory, research, and practical principles associated with human communication in interpersonal, public, and professional contexts. Fall, Spring.

COM 2347 COS-COMM 1(1.1)
Sports Speaking and Interviewing: PR: SCP 1600. Practicum to prepare students to speak in public forums and to participate in interviews with the mass media. Graded SU. Occasional.

COM 3011C COS-COMM 3(1.2)

COM 3013 COS-COMM 3(3.0)
Communication and the Family: PR: SCP 1608. The ways members of a family unit interact verbally and nonverbally to influence one another. Even Fall.

COM 3022 COS-COMM 3(3.0)
Health Communication: PR: COM 3311 or C.I. Theories and research about the role communication plays in health. Occasional.

COM 3110 COS-COMM 3(3.0)
Business and Professional Communication: PR: Majors only, SCP 1608 or C.I. Theoretical and practical training in effective presentational speaking for business and professions. Fall, Spring.

COM 3110H COS-COMM 3(3.0)
Honors Business and Professional Communication: PR: Majors only, SCP 1608 or C.I. and consent of Honors. Theoretical and practical training in effective presentational speaking for business and professions. With Honors content. Occasional.

COM 3120 COS-COMM 3(3.0)
Organizational Communication: PR: or CR: COM 3311, or C.I. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.

COM 3311 COS-COMM 3(3.0)
Communication Research Methods: PR: STA 2014C. Research methods used in communication. Understanding and interpretation of original research emphasized. Fall, Spring.

COM 3330 COS-COMM 3(3.0)
Computer Mediated Communication: PR: CGS 1080C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Even Spring.

COM 3332 COS-COMM 3(3.0)
Communication, Technology, and Change: PR: SCP 1608. How new technologies influence (are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Spring.

COM 3406 COS-COMM 3(3.0)
Role of Motivation in Communication: PR: or CR: COM 3311, or C.I. Motivation theories that directly affect the process of human communication. Occasional.

COM 4014 COS-COMM 3(3.0)
Gender Issues in Communication: PR: SCP 1608 and Junior Standing. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Occasional.

COM 4416 COS-COMM 3(3.0)
Terrorism and Communication: PR: COM 3311 or C.I. How terrorism is a communication process. How mass media symbols, linguistic devices, terrorism, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. Fall.

COM 4461 COS-COMM 3(3.0)
Intercultural Communication: Study of variables affecting messages and participants in intercultural contexts. Fall, Even Spring.

COM 4462 COS-COMM 3(3.0)
Conflict Management: PR: or CR: COM 3311, or C.I. The study of communication in everyday conflicts. Fall, Spring.

COP 2500C ECS-CS 4(3.1)
Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, analysis and a survey of topics in CS. Not open to Computer Science majors. Fall, Spring.

COP 3223 ECS-CS 3(3.0)
Introduction to Programming with C: Equivalent to EGN 3211. Programming in C including arrays, pointer manipulation and use of standard C math and IO libraries. Fall, Spring.

COP 3223H ECS-CS 3(3.0)
Honors Introduction to Programming with C: PR: Consent of Honors. Programming in C including arrays, pointer manipulation and use of standard C math and IO libraries. With Honors content. Fall.

COP 3330 ECS-CS 3(3.0)
Object Oriented Programming: PR: COP 3323. Object oriented programming concepts (classes, objects, methods, encapsulating, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA. Fall, Spring.

COP 3402 ECS-CS 3(3.0)
Systems Software: PR: COP 3502C. Design and development of assemblers, loaders, compilers, and debuggers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3502C ECS-CS 3(3.0)
Computer Science I: PR: COP 3223 and MAC 1105C. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall, Spring.

COP 3502H ECS-CS 3(3.0)
Honors Computer Science I: PR: Permission of Honors and COP 3223 and MAC 1105C. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Occasional.

COP 3503C ECS-CS 4(3.1)
Computer Science II: PR: COP 3502C and COP 3330 and (MAD 2104 or COP 3101C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. Fall, Spring.

COP 3503H ECS-CS 4(3.1)
Honors Computer Science II: PR: Permission of Honors and (COP 3502H or COP 3502C) and COP 3330 and (MAD 2104 or COP 3101C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With honors content. Fall.

COP 4020 ECS-CS 3(3.0)
Programming Languages I: PR: COP 3500C and COP 3500C and COP 3500C. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms, object-oriented, functional and logic-programming are presented. Fall, Spring.

COP 4331C ECS-CS 4(3.1)

COP 4516C ECS-CS 4(1.3)
Problem Solving Techniques and Team Dynamics: PR: COP 3503C. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. Occasional.

COP 4520 ECS-CS 3(3.0)
Concepts of Parallel and Distributed Processing: PR: COP 3402 and COP 3500C and COP 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4580C ECS-CS 3(3.0)

COP 4610L ECS-CS 3(0.3)
Operating Systems Laboratory: PR: COP 3502C. Exercises in the configuration, development, management and analysis of operating systems; OS Kernel support for semaphore and multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.

COP 4810 ECS-CS 3(3.0)
Database Systems: PR: COP 3503C. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.
COT 4020 ECS-CS 3(3,0) Frontiers in Information Technology: PR: COP 4630L or COT 4700C. 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, program flow 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 4600. 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 4600, COT 4610, or C.I. Management of distributed data structures for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. Occasional.


COT 3100H ECS-CS 3(3,0) Honors Introduction to Discrete Structures: Honors permission required. PR: Permission of Honors and MAC 1105C, MAC 1114. Logic, sets, functions, relations, combinatorics, graph theory, Boolean algebra, finite-state machines, Turing machines, unsolvability, computational complexity. Occasional.

COT 3900C ECS-CS 3(1,0) CS Foundation and Analysis: PR: COP 3502C and COT 3100C. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper-division 4000 and 5000 level CS electives. Graded S/U. Fall, Spring.

COT 4210 ECS-CS 3(3,0) Discrete Structures II: PR: COP 3503C and COT 3900. 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 3900C and COT 3900. 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 4020 and COT 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(k) grammars. Fall, Spring.

COT 5405 ECS-CS 3(3,0) Design and Analysis of Algorithms: PR: COT 4210. Classification of algorithms, e.g., recursive, divide and conquer, greedy, etc. Data Structures and algorithm design and performance. Time and space complexity analysis. Fall, Spring.


CPO 3034 COS-POLS 3(3,0) Politics of Developing Areas: Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.

CPO 3103 COS-POLS 3(3,0) Comparative Politics: PR: COP 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.

CPO 3104 COS-POLS 3(3,0) Politics of Western Europe: PR: COP 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era. Odd Spring.

CPO 3132 COS-POLS 3(3,0) Canadian Studies: A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.

CPO 3403 COS-POLS 3(3,0) Politics of the Middle East: PR: COP 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Fall, Spring.

CPO 3403H COS-POLS 3(3,0) Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content. Occasional.

CPO 3614 COS-POLS 3(3,0) Politics of Eastern Europe: PR: COP 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Even Fall.

CPO 4047 COS-POLS 3(3,0) Politics of the NAFTA Region: PR: COP 2041 or C.I. Comparative politics of the NAFTA region, analyzing important political and socio-economic issues. Occasional.


CPO 4074 COS-POLS 3(3,0) Political Economy: PR: Junior standing or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries.

CPO 4100 COS-POLS 3(3,0) Politics of the European Union: PR: COP 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.

CPO 4123 COS-POLS 3(3,0) Government and Politics of Great Britain: A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain’s foreign policy and European role will be discussed. Even Spring.

CPO 4303 COS-POLS 3(3,0) Comparative Latin American Politics: Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Fall.

CPO 4445 COS-POLS 3(3,0) Comparative Political Parties: PR: COP 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.

CPO 4514 COS-POLS 3(3,0) Politics of East Asia: PR: COP 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: COP 2041 or C.I. China’s political development since 1949. Occasional.

CPO 4553 COS-POLS 3(3,0) Politics of Japan: PR: COP 2041 or CPO 3103C. Europeanization of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. Fall.

CPO 4643 COS-POLS 3(3,0) Government and Politics of Russia: Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. Occasional.

CPO 4710 COS-POLS 3(3,0) Women in Comparative Politics: PR: Junior standing or C.I. 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: COP 2041 or C.I. Unique political and economic institutions. Occasional.

CPO 4784 COS-POLS 3(3,0) Political and Economic Inequality in Comparative Perspective: PR: COP 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 the Environment: PR: COP 2041 or C.I. Unique environmental politics specific to indigenous peoples around the world.

CPO 5334 COS-POLS 3(3,0) Contemporary Politics of the Mayan Region: PR: Graduate status or senior standing or C.I. Analysis of issues affecting all peoples living in the contemporary Mayan region 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 level content; practice and critique of original writing by peers and critical reading of established authors. Occasional.

CRW 3011 CAH-ENG 3(3,0) Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENC 1102. Open only 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. Major literary genres; practice and critique of peer writing; critical reading of established authors. Fall, Spring.

CRW 3015 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 the 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.
Creative Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Writers present original nonfiction writing for class response and individual conferences. Reading of key works of creative nonfiction with discussion of definitions of the genre. Fall, Spring.

Poetry Writing Workshop: PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.

Creative Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.

Literary Magazines: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. Occasional.

Writing Scripts: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Theory and practice of writing scripts for film and TV. Occasional.

Cypress Dome Etchings: PR: C.I. Responsibility for all aspects of editing The Cypress Dome-UCF’s student literary journal. Fall, Spring.

The Writing Life: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610 or C.I. Critical/non-fiction/creative works and fictional works by a series of authors. Occasional.

History of Prose Style: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.

Advanced Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

Science Fiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and CRW 3120, or C.I. Study of science fiction literature and writing of original science fiction stories. Workshop format with critique of writing assignments. Occasional.

Advanced Nonfiction Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and CRW 3120, or C.I. Intensive reading, writing, and workshop of creative nonfiction drawing on memory, observation, journalistic, and historical research, and literary techniques. Fall, Spring.

Advanced Creative Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3310, or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. Fall, Spring.

Advanced Scriptwriting Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3610, or C.I. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. Fall, Spring.

Editing for Creative Writers: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610, or C.I. Overview of all aspects, the history and future of editing, issues and areas of literary and trade book publishing, and style through grammar and syntax. Occasional.

Creative Writing in the Community: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and C.I. Hands-on experience with all aspects of Florida Review publishing, editing, and production in conjunction with this national journal. Fall, Spring.

Creative Writing MFA: PR: Admission to Creative Writing MFA and C.I. Student writers present their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 4 times. Fall, Odd Spring.

Form and Theory in Creative Writing: PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of creative writing of given genres (poetry, short fiction, etc.). May be used in the degree program a maximum of 3 times. Occasional.

Creative Writing Service Learning: PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

Engineering Fluid Mechanics: PR: MAP 2302, EGN 3310 both with a grade of “C” (2.0) or better; CR: EGN 3321. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow. Fall, Spring.

Hydrology: PR: STA 3032, CWR 3201. Hydrological cycle, probabilistic forecasting, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. Fall, Spring.

Water Resources Engineering: PR: CWR 3201 Continuation of CWR 3201 with emphasis on piping networks, pumps, and hydraulic systems. Laboratories with civil and environmental engineering applications. Fall, Spring. M&S fee $20.00

Water Resources Engineering I: PR: STA 3032 and CWR 3201 both with a grade of “C” (2.0) or better. Descriptive and quantitative aspect of water in the earth's environment and its engineering implications, including analysis of surface water systems, design of hydraulic structures, and stormwater management. Fall, Spring.

Water Resources Engineering II: PR: CWR 4632 with a grade of “C” (2.0) or better. Provision of advanced understanding of hydrology, hydrologic river routing, open/closed channel, and groundwater hydraulic and some engineering applications of these concepts. Fall, Spring. M&S fee $2,509.89

Water Resources Design: PR: CWR 4632C with a grade of “C” (2.0) or better and department consent. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&S fee $15.00

Groundwater Hydrology: PR: CWR 4203C or equivalent. Theories of groundwater movement, geologic factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.


Numerical Methods in Civil and Environmental Engineering: PR: CWR 4101C, CWR 4203C. This course teaches fundamental fluid flow equations and some numerical methods and analysis techniques. Fall, Spring.

Modern Dance I: PR: Theatre major, Dance minor, or department consent. Fundamental techniques and class work and history lectures. Spring.

Modern Dance II: PR: Theatre major, Dance minor, or department consent. Intermediate and advanced class work and history lectures. Fall.

Intermediate class ballet technique, including principles, theory, and practice technique. Spring.

Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (merengue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall, Spring.

World Dance: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester focus will be devoted to one form, such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. Occasional.

Ballroom Dance: Instruction in selected ballroom dances (foxtrot, waltz, rumba, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Fall, Spring.

Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (merengue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall, Spring.

Intermediate class ballet technique, including principles, theory, and practice technique. Spring.

Ballroom Dance: Instruction in selected ballroom dances (foxtrot, waltz, rumba, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Fall, Spring.

Modern Dance I: PR: Theatre major, Dance minor, or department consent. Fundamental techniques and class work and history lectures. Fall, Spring.

Modern Dance II: PR: Theatre major, Dance minor, or department consent. Intermediate class ballet technique, including principles, theory, and practice technique. Spring.
DIG 4232C CAH-SVAD 3(1,4)
Modeling for Visual Language: PR: DIG 4204C, successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting.

DIG 4234C CAH-SVAD 3(2,2)

DIG 4235C CAH-SVAD 3(1,4)

DIG 4254C CAH-SVAD 3(1,4)
Advanced 3D Animation: PR: DIG 4232C, successful portfolio review, or C.I. Techniques, mechanics of designing and manipulating geometrical representations of artifactual characters and their environments; introduction to procedural models. Spring.

DIG 4256C CAH-SVAD 3(1,4)
Artificial Environments and Effects Workshop: PR: DIG 3355C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on manipulating environments; introduction to procedural models. Spring.

DIG 4260C CAH-SVAD 3(1,4)
Artificial Characters Workshop: PR: DIG 3962C 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 4273C CAH-SVAD 3(1,4)
3D Textures: PR: DIG 4393C, successful portfolio review, or C.I. Advanced application of lighting and surface attributes, including the use of the tools, concepts, and techniques learned in previous 3D courses. Spring.

DIG 4294C CAH-SVAD 3(1,4)
Motion Graphics: Advanced Compositing: PR: DIG 4395C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particle dynamics, compositing, and creating motion graphics. Manage and navigate objects, images and other media in visual narratives, as pertaining to 3-D Content. Spring.

DIG 4434C CAH-SVAD 3(1,4)
Narrative Techniques in the Imaging Motion: PR: DIG 4411C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language employed in story production, focusing on advancing a narrative and evoking emotion. Spring.

DIG 4451C CAH-SVAD 3(1,4)
Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4455 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 4486C 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 development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.

DIG 4503 CAH-SVAD 3(3.0)

DIG 4522 CAH-SVAD 3(3.0)
Digital Media Service: PR: DIG 3035. 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 minimum grade of "B" (3.0) or better in DIG 2000. Participation as a leader in a consulting service for selected clients both within and external to university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. Fall, Spring.

DIG 4524L CAH-SVAD 3(0.3)
Digital Media Project II: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Multidisciplinary students work with faculty and industry mentors to design and implement a project involving virtual reality, video game production, computer animation, or interaction with the theme park industry. Odd Fall, Even Spring.

DIG 4526 CAH-SVAD 3(3.0)
Digital Media Production II: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Management and execution of large digital media projects, using structured methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4528 CAH-SVAD 3(0.0)
Digital Media Project II: PR: DIG 4524L and a minimum grade of "B" (3.0) or better in DIG 2000. Continuation of IDS 4562. Odd Fall, Even Spring.

DIG 4530C CAH-SVAD 3(2,2)
Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4)
Digital Production in Artificial Environments: PR: DIG 4519C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. Fall.

DIG 4630C CAH-SVAD 3(2.2)

DIG 4645 ECS-CS 3(3.0)
Digital Media: PR: COP 3503C or C.I. Information structures, algorithms and interactive tools for creation, compression, storage, indexing and transmission of multimedia (visual images, sound, tactile displays, etc.) Project-oriented. Occasional.

DIG 4693C CAH-SVAD 3(2.2)
Production Software Workshop: PR: DIG 3134C or C.I. Advanced programming techniques for a variety of web-based applications using ActionScript, including dynamic and input test, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704 CAH-SVAD 3(3.0)
Interactive Entertainment: PR: DIG 3525 or C.I. Ways to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-SVAD 3(3.0)
Game Design: PR: DIG 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 DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. Fall, Spring.

DIG 4720C CAH-SVAD 3(2.2)
Casual Game Production: PR: DIG 2950C, a minimum grade of "B" (3.0) in DIG 3134C and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-SVAD 3(2.2)
Game Design Workshop: PR: DIG 4715C, FIL 3720C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video games using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4770 ECS-CS 3(3.0)

DIG 4855 CAH-SVAD 3(3.0)
Converging Media Capstone: PR: GEB 3031 Cornerstone and 12 hours of restricted electives within the Visual Arts and Emerging Media Management Track. Team based converging media projects leading to a capstone project that emphasizes creative thinking, prototyping, development, marketing and assessment parallel the business world. Even Fall, Even Spring. M&S fee $45.00.

DIG 5045C CAH-SVAD 3(1.3)
Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5046C CAH-SVAD 3(1.3)
Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-SVAD 3(3.0)
Information Architecture: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. Fall.

DIG 5366 CAH-SVAD 3(3.0)
Creating Interactive Characters: PR: Admission to Digital Media MS or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded S/U. Fall, Spring.

DIG 5487 CAH-SVAD 3(3.0)
Principles of Visual Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. Fall.

DIG 5529C CAH-SVAD 3(1.3)
Production for Media: PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. Fall.

DIG 5548C CAH-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


ECM 5135 ECS-ECE 3(3.0) Engineering Math Analysis I: PR: MAP 2302 Topics in advanced engineering mathematics, including systems of differential equations, phase plane, linear algebra, and vector differential calculus. Occasional.

ECM 5741C ECS-ECE 3(2.3) Microcomputer-based Monitoring and Control Systems: PR: EEE 3342C, EEL 4742C or C.I. Machine language programming; software development aids; systems design; interfacing considerations. Occasional.

ECO 2013 BA-ECON 3(3.0) Principles of Macroeconomics: An introduction to macroeconomics, including an overview of the market economy, national income, employment, and price level determination, stabilization policies, and international economics. Fall, Spring.

ECO 2013H BA-ECON 3(3.0) Honor's Principles of Macroeconomics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. Fall, Spring.

ECO 2023 BA-ECON 3(3.0) Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.

ECO 2023H BA-ECON 3(3.0) Honor's Principles of Microeconomics: PR: Permission of Honors. The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content. Occasional.

ECO 3006 BA-ECON 3(3,0) Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfaction completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. Graded S/U. May be used in the degree program a maximum of 4 times. Fall, Spring.

ECO 3101 BA-ECON 3(3.0) Intermediate Microeconomics: PR: ECO 2013, ECO 2023, and ECO 3411. Theoretical study of the behavior of households, firms, and the markets in which they operate with issues and applications. Fall, Spring.


ECO 3401 BA-ECON 3(3.0) Quantitative Business Tools I: PR: ECO 2023, and MAC 1105C or MAC 1140C. Introduction to mathematical and statistical analysis of economics and business problems. Fall, Spring.

ECO 3410 BA-ECON 3(3.0) Mathematical Economics: PR: ECO 3101. Mathematical methods with particular focus on microeconomic foundations of individual decision-making. Spring.
ECW 3312  ED-E&HS  3(3.0)  Course Construction in Health Occupations Education - PR: ECT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

ECW 3366  ED-E&HS  3(3.0)  Special Populations in Career & Technical Education - PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. Spring.

ECW 5207  ED-E&HS  2-4(2-4.0)  Management of Vocational Programs - PR: Rank III Certificate or C.I. Study and achievement of selected competencies 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(2-4.0)  Cooperative Programs in Vocational Education - PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

ECW 5564  ED-E&HS  2-3(2-3.0)  Student Preparation for Vocational Programs - 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: ERG 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)  Integrated Arts and Movement in the Elementary School - PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. Fall, Spring. M&S fee $10.00

EDE 4943  ED-TL&L  7-12(0,35)  Internship II (Elementary) - PR: EDE 3942. Student teaching in an elementary school under the supervision of a certified classroom teacher. Scheduled concurrent seminars. Graded S/U. Occasional.

EDE 4945  ED-TL&L  1(1.0)  Internship II Seminar - PR: All required program courses; CR: EDE 4943 Internship II. Culminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDF 1942  ED-TL&L  3(3.0)  Introduction to Educational Internship - Introduction to educational internship with selected partnership institutions. Occasional.

EDF 2130  ED-TL&L  3(3.0)  Child and Adolescent Development for Educators - PR: EDE 2005, EDF 2085, EDF 3303. Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.


EDF 2720  ED-TL&L  3(3.0)  Children in Schools: Legal, Ethical and Safety Concerns - PR: EDF 2005, EDE 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 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 an Internship I or C.I. Classroom assessment skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.


EDF 4603  ED-TL&L  3(3.0)  Analysis and Application of Ethical, Legal, and Safety Issues in Schools - PR: EDF 2005, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact school 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, cultural, and linguistic considerations which directly impact school in a democracy with Honors content. Fall.
Explores an integrated approach to curriculum planning and scheduling which emphasizes active learning. Occasional.

EEC 3613 ED-CFCS 3(3,0) Observation and Assessment of Young Children: PR: Admission to the program. Appropriate methods for assessing and evaluating young children, including children with special needs, backgrounds, appropriate interventions, and enrichment. Occasional.

EEC 3700 ED-CFCS 3(3,0) Social and Emotional Development of Young Children: Provides in-depth understanding of the social and emotional development of the young child. Examines the implications for curriculum development. Occasional.

EEC 3940 ED-CFCS 3(0,3) integration Internship I: PR: Senior Status; RED 4311 or RED 4311. Field-based placement in which the students will have supervised practice integrating course content areas. Occasional.

EEC 4207 ED-CFCS 3(3,0) Assessment and Evaluation of Young Children: PR: Admission to the Early Childhood Program and/or the Early Childhood Education Program. An integrated approach to curriculum planning and scheduling which emphasizes active learning. Occasional.


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) Curriculum Activities in Early Childhood: PR: Admission to Early Childhood Education Program. An integrated approach to curriculum planning and scheduling which emphasizes active learning. Fall, Spring.

EEC 4303 ED-CFCS 3(3,0) Planning Creative Activities in Early Childhood Education: PR: Admission to Early Childhood Education Program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

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 Relationships: PR: EEC 3700; EEC 4501; RED 3311; EEX 4751; LIN 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 4731 ED-CFCS 3(3,0) Health, Safety, and Nutrition for Young Children: PR: Admission to the Early Childhood Education Program and/or the Early Childhood Education Program. An introduction to health, safety, and nutrition issues in early childhood (ages 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) Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700. Course teaches Child Life theory and practice to students wanting to work with children, youth and their families in hospitals and other healthcare settings. Fall, Spring.


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/or agencies. Graded S/U. Fall, Spring.

EEC 5026 ED-CFCS 3(3,0) Organization of Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. Spring.

EEC 5206 ED-CFCS 3(3,0) Creative Activities in Early Childhood: PR: Regular certificate or C.I. Organization of instruction in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. Spring.

EEE 3342C ECS-ECE 3(2,3) Digital Systems: PR: MAC 2311, MAC 2312, PHY 2049G all with a “C” (2.0) or better grade. Combination 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 3054; 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 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, instrumentation and applications. Fall.

EEE 5325C 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) Semiconductor Material and Device Characterization: PR: EEE 3350 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetime, device properties, threshold voltage, interface charge, MOS devices, optical and surface characterization of films. Occasional.

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 3307C. 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 5378 ECS-ECE 3(3,0) CMOS Analog and Digital Circuit Design: PR: EEE 4309C. Advanced principles and design techniques for CMOS analog and digital integrated circuits. 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 5504 ECS-ECE 3(3,0) Electrical Networks: PR: MAC 2311, MAC 2312, MAC 2313, 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.
EEL 3041 ECS-ECE  3(3,0)
Circuit Analysis: PR: PHY 2053C. Study of electrical networks, equivalent circuits, network theorems, superposition, mesh and nodal analysis, including DC and steady state analysis. Power calculations, power distribution and dissipation are covered with examples relating to cables, connections, and buses. Not open to EE or CSE majors. Fall, Spring.

EEL 3123C ECS-ECE  4(3,1)
Networked Systems: PR: EEL 3004, MAP 2302 with a "C" (2.0) or better grade. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theory and Z-transforms. Fall, Spring. M&S fee $15.00.

EEL 3470 ECS-ECE  3(3,0)

EEL 3531 ECS-ECE  3(3,0)

EEL 3552C ECS-ECE  4(3,3)

EEL 3657 ECS-ECE  3(3,0)

EEL 3801C ECS-ECE  3(3,2)

EEL 4050L ECS-ECE  1(0,3)
EECS Integrated Laboratory: PR: EEL 3552C. EEL 3657, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, Design and analysis of sound, transmission, and receivers based upon AM and FM, PID controller and feedback systems, and power conversion. Occasional.

EEL 4130 ECS-ECE  3(3,0)

EEL 4140C ECS-ECE  4(3,3)
Analog Filter Design: PR: EEL 3123C. Passive and active analog filter design. Fall. M&S fee $15.00

EEL 4205 ECS-ECE  3(3,0)

EEL 4216 ECS-ECE  3(3,0)
Fundamentals of Electric Power Systems: PR: EEL 3004 or C.I. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4436 ECS-ECE  4(3,3)
Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee $35.00.

EEL 4440 ECS-ECE  3(3,0)
Optical Engineering: PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radiometry, detectors, optical applications, infrared devices, applications to engineering design problems. Spring.

EEL 4512C ECS-ECE  3(3,3)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 5439C</td>
<td>ECS-ECE</td>
<td>3(2,1)</td>
<td>RF and Microwave Communications: PR: EEL 439C or equivalent. RF and microwave active circuits, microwave oscillator, amplifier, mixer and design and fabrication. Receiver design, noise, familiarity with network and spectrum analyzers. Occasional. M&amp;S fee $40.00</td>
</tr>
<tr>
<td>EEL 5517</td>
<td>ECS-ECE</td>
<td>3(3,0)</td>
<td>Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. Occasional.</td>
</tr>
<tr>
<td>EEL 5565</td>
<td>ECS-ECE</td>
<td>3(3,0)</td>
<td>Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS. Occasional.</td>
</tr>
<tr>
<td>EEL 5560</td>
<td>ECS-ECE</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EEL 5569</td>
<td>ECS-ECE</td>
<td>3(3,0)</td>
<td>Autonomous Robotic Systems: PR: EEL 3657 or C.I. Introduction to robotic with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.</td>
</tr>
<tr>
<td>EEL 5936</td>
<td>ECS-ECE</td>
<td>0(1,0)</td>
<td>Current Topics in EECs: PR: Open to all ECE graduate students. Lectures presented by ECE and national lecturers will provide our students a broad view of the state of the art EE and CE fields. Graded S/U. Occasional.</td>
</tr>
<tr>
<td>EES 4111</td>
<td>ECS-ECE</td>
<td>3(3,2)</td>
<td>Biological Process Control: PR: ENV 3001 and a grade of &quot;C&quot; (2.0) or better; CR: ENV 4531. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bioenergy products, wastewater treatment, and others. Spring. M&amp;S fee $59.00</td>
</tr>
<tr>
<td>EES 4202C</td>
<td>ECS-CECE</td>
<td>4(3,3)</td>
<td>Chemical Process Control: PR: ENV 3001 with a grade of &quot;C&quot; (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&amp;S fee $60.00</td>
</tr>
<tr>
<td>EES 5318</td>
<td>ECS-CECE</td>
<td>3(3,0)</td>
<td>Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarity between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. Occasional.</td>
</tr>
<tr>
<td>EES 5605</td>
<td>ECS-CECE</td>
<td>3(3,0)</td>
<td>Outdoor Noise Control: PR: C.I. Community noise evaluation and control, legislative standards, instrumentation and measurement, abatement methods, and noise modeling. Occasional.</td>
</tr>
<tr>
<td>EEX 3102</td>
<td>ED-CFCS</td>
<td>3(3,0)</td>
<td>Language Development and Communication Disorders: PR: Junior standing. Interdisciplinary approach to language development, identification and remediation of communication and language disorders. Occasional.</td>
</tr>
<tr>
<td>EEX 3221</td>
<td>ED-CFCS</td>
<td>3(3,0)</td>
<td>Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. Fall, Spring.</td>
</tr>
<tr>
<td>EEX 3243</td>
<td>ED-CFCS</td>
<td>3(3,1)</td>
<td>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, Spring.</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>ED-CFCS</td>
<td>3(3,0)</td>
<td>Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.</td>
</tr>
<tr>
<td>EEX 3754</td>
<td>ED-CFCS</td>
<td>3(3,0)</td>
<td>Parents as Educators: Develop parent awareness of their role in child development and school success. Attention given to social context of parenting and parents as advocates for children. Occasional.</td>
</tr>
<tr>
<td>EEX 3942</td>
<td>ED-CFCS</td>
<td>3(3,0)</td>
<td>Internship I Exceptional Education: PR: EGG 4410, RED 3012, EEX 2010, EEX 3241, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.</td>
</tr>
<tr>
<td>EEX 4054</td>
<td>ED-CFCS</td>
<td>2(2,0)</td>
<td>Application and Theories for Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. Occasional.</td>
</tr>
<tr>
<td>EEX 4066</td>
<td>ED-CFCS</td>
<td>3(3,0)</td>
<td>Curriculum, Theory and Instructional Strategies for Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. Occasional.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

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, 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(2,4)
Small Satellite Payloads and Integration: PR: EML 3320C OR EAS 3800C OR EEL 3801C OR ESI 4520C. 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 ECE 4720C or EEL 4749C. For IEMS: ESI 4520C. 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)
Environment and Society: Investigation of available economic and 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-ECS 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, electricity, etc. Occasional.

EGN 5720 ECS-IEMS 2(2,3)
Internal Combustion Engine Analysis and Optimization: PR: EGN 3343 or EGN 3353 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 ECG-MMAE 3(3,0)
Small Rocket Applications for Teachers: PR: Admission to Lockheed-Martin 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-ECS 3(2,2)
Metrology: PR: EIN 4391C or C.I. Advanced topics in inspection and measurement with applications in engineering and manufacturing. Occasional.

EGN 5858C ECS-ECS 3(2,1)
Prototyping and Product Realization: PR: Basic knowledge and experience in CAD/CAM technology or C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications, and practice of rapid prototyping and reverse engineering technologies. Spring. M&S fee $50.00

EIN 3001 ECS-ECS 3(3,0)
Introduction to Industrial and Engineering 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-ECS 3(3,0)
Work Analysis and Methods 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-ECS 3(3,0)
Principles of Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. Fall.

EIN 4191C ECS-ECS 2(2,2)
Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (interspersal to interpersonal to organizational to community) via a combination of expential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-ECS 2(2,2)
Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

EIN 4214 ECS-ECS 3(3,0)

EIN 4243C ECS-ECS 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-ECS 3(3,0)
Production and Distribution Systems: PR: ESI 4312 or C.I. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.

EIN 4364 ECS-ECS 3(3,0)
Facilities Planning: PR: EIN 3314, EIN 3354, EIN 4626C; CR: EIN 4333, EIN 4391 or C.I. Planning and design of production systems including interrelationships between process layouts, material handling, warehousing and site selection, Spring. M&S fee $20.00

EIN 4391 ECS-ECS 3(3,0)
Manufacturing Engineering: PR: CHM 2040C 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 4450 ECS-ECS 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-ECS 3(2,2)
Systems Analysis and Design: PR: ESI 4520C, 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-ECS 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-ECS 3(3,0)
Industrial Engineering Applications In The Service Industries: PR: EIN 3314, ESI 4312; CRI: ESI 4243 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-ECS 3(2,2)

EIN 4891C ECS-ECS 3(2,3)
Industrial Engineering Senior Design Project: PR: EIN 4516C. Senior standing. Capstone design course; application of EIMS techniques to real-world design applications. Spring.

EIN 5108 ECS-ECS 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-ECS 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-ECS 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-ECS 3(2,2)
Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipments, and workstations. Fall.

EIN 5251 ECS-ECS 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-ECS 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-ECS 3(3,0)
Training System Design: PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Fall.

EIN 5346 ECS-ECS 3(3,0)
Engineering Logistics: Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356 ECS-ECS 3(3,0)
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Spring.

EIN 5388 ECS-EMS 3(3.0) Forecasting: PR: ESI 5210. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

EIN 5392C ECS-EMS 3(2.2) Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Even Spring. M.S. fee $20.00

EIN 5607C ECS-EMS 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-EMS 1(1.0) Seminar in Industrial Engineering: Doctoral Research: PR: Senior standing. Development of highly specialized techniques 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 3012C ECS-MMAE 3(2.2) Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGM 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall. Spring. M.S. fee $45.00


EMA 3124 ECS-MMAE 3(3.0) Design and Selection of Materials: PR: EGM 3601, and EGN 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.


EMA 3706 ECS-MMAE 3(3.0) Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2045C and MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design. Fall.

EMA 4102 ECS-MMAE 3(3.0) Thermodynamics and Kinetics of Materials: PR: EGN 3343, 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 4501 ECS-MMAE 3(2.2) Scanning Electron Microscopy: PR: EGN 3365 or C.I. A review of electron optics, beam/specimen interactions, image formation, x-ray analysis, specimen preparation, microelectronic applications, and crystallography in the SEM. Occasional.


EMA 5108 ECS-MMAE 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-MMAE 3(3.0) Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


EMA 5415 ECS-MMAE 3(3.0) Electronic Principles of Materials Properties: PR: EGN 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.

EMA 5504 ECS-MMAE 3(2.2) Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMA 5505 ECS-MMAE 3(2.2) Scanning Electron Microscopy: PR: EMA 5104 or C.I. A review of electron optics, beam/specimen interactions, image formation, X-ray analysis, specimen preparation, microelectronic applications and crystallography in the SEM. Occasional.

EMA 5517 ECS-MMAE 3(2.2) Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C.I. Principle of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and Rutherford Backscattering spectrometry. May be repeated for credit. Occasional.

EMA 5584 ECS-MMAE 3(3.0) Biomaterials: PR: EGN 3365. Properties of natural biological materials and their structure and function; biocompatibility, specific applications in orthopedic, cardiovascular, visual, neural, and reconstruction implants. Even Spring.

EMA 5585 ECS-MMAE 3(3.0) Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.


EMA 5598 ECS-MMAE 3(3.0) Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity: cell-biomaterial 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.
EML 4703 ECS-MMAE 3(3,0) Fluid Mechanics II: PR: EML 3701. Continuation of Fluid Mechanics I. Emphasis on fluid machinery, compressible flows, design projects. Fall.


EML 4991 ECS-MMAE 0(0,0) Mechanical Career and Academic Faculty Advising II: PR: EML 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EML 5026C ECS-MMAE 3(2,2) Advanced Engineering Design Practice: PR: EGM 3601; CR: (EML 3500 or EAS 4220) and (EML 4220 or EAS 4210). Designed to familiarize students with the basic CAD/CAM solid modeling techniques in a project-oriented environment. Construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.

EML 5060 ECS-MMAE 3(3,0) Mathematical Methods in Mechanical, Materials and Aerospace Engineering: PR: MAP 2242. Vector calculus, complex variables, contour integration and Laplace and Fourier transforms and inversions, variable coefficient ODEs and solutions of ODEs, level of corotations of heat transfer, ideal fluid flow, and mechanics. Fall.


EML 5105 ECS-MMAE 3(3,0) Gas Kinetics and Statistical Thermodynamics: PR: EAS 4154 or EML 4703. Molecular and statistical view of gases and gas dynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermal-fluid systems. Occasional.


EML 5171 ECS-MMAE 3(3,0) Turbomachinery: PR: EML 3101, EML 4703 or EAS 4134. Application of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. Occasional.

EML 5292 ECS-MMAE 3(3,0) Fundamental Phenomenon and Scaling laws in Miniature Engineering Systems: PR: EML 5060, EML 5211, or C.I. Introduction to meso-, micro-, and nano-scales, and related terminology. Closely related relationships at these scales and how these relationships affect the behavior and performance of systems. Effect of miniaturization on a few common engineering systems. Odd Fall.

EML 5311 ECS-MMAE 3(3,0) System Controls: PR: EML 5122; CR: EML 5050. Modern control theory for linear and non-linear systems; controllability and observability. Linear state feedback and state estimators, compensator design. Occasional.

EML 5402 ECS-MMAE 3(3,0) Turbomachinery: PR: EML 3101, EML 4703 or EAS 4134. Application of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. Occasional.


EML 5456 ECS-MMAE 3(3,0) Turbines for Sustainable Power: PR: EGM 3601, EML 3780 or EMI 3760. Non-equilibrium flows, boundary layer problems, and radiation from real bodies. Emphasis on combined modes, numerical methods. Occasional.

EML 5532C ECS-MMAE 3(2,3) Computer-Aided Design for Manufacture: PR: EGM 4535C. Builds on introductory material covered in EML 4530C. Topics include computer modeling for the synthesis, simulation, design, optimization, control of mechanical, thermal, and aerospace systems. Even Fall, Spring. M&S fee $15.00.


EML 5587C ECS-MMAE 3(2,3) Mechanics of Biostructures I: PR: Graduate standing or C.I. Part I of a two-semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5588C ECS-MMAE 3(2,3) Mechanics of Biostructures II: PR: EML 5587C. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5605 ECS-MMAE 3(3,0) Applied HVAC Engineering: PR: EML 5606; CR: EML 4142. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation and indoor air quality. Spring.

EML 5606 ECS-MMAE 3(3,0) HVAC Systems Engineering: PR: EGM 3343; CR: EML 3701 or EML 3801, and EML 3101. Heating, ventilation, air conditioning and refrigeration principles, system design and analysis. Fall.

EML 5713 ECS-MMAE 3(3,0) Intermediate Fluid Mechanics: PR: EML 5050. Fluid kinematics; conservation equations; Navier-Stokes equations; boundary layer flow, inviscid flow, circulation and vorticity; low Reynolds number flow; turbulence. Occasional.


EMR 4011 ED-CFCS 3(3,0) Intro to Mental Retardation: Nature and needs of mentally handicapped students with emphasis on etiology, prevention, identification, and application of effective practices and recognition of trends and standards. Occasional.

EMR 4362 ED-CFCS 4(4,0) Teaching Students with Mental Handicaps: PR: EEX 2010. Relationship between the characteristics of students with mental handicaps and specialized instructional materials, strategies and curriculum. Occasional.

EMR 4372 ED-CFCS 3(3,0) Curriculum Method and Materials for Retarded Persons: PR: Senior standing. Development of highly specialized techniques, curriculum and materials to be used with students with mental retardation. Occasional.

ENC 1101 CAH-WRITE 3(3,0) Composition I: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Fall, Spring.

ENC 1101H CAH-WRITE 3(3,0) Honors Freshman Composition I: PR: Score of 60+ on TSWE of SAT or C.I. and permission of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Honors-level content. Fall, Spring.

ENC 1102 CAH-WRITE 3(3,0) Composition II: PR: ENC 1101 with a grade of C- or better. Focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The "NC" grading policy applies to this course. Fall, Spring.
ENC 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, creation, 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 3053. English major or minor and junior standing or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.

ENC 4374 CAH-WRITE 3(3.0)  Gendered Rhetorics: PR: Grade of C (2.0) or better required in ENC 1102. Historical and theoretical study of gendered rhetorical practices, with emphasis on women rhetors. Occasional.

ENC 4414 CAH-WRITE 3(3.0)  Writing and Hypertext: 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. 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. Contemporaries 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 5257 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)  Writing/Consulting: Theory and Practice: PR: Graduate status or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Occasional.

ENC 5280 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 Practicum: PR: ENC 5705, graduate standing or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester, GTA’s will participate in staff development and individual conferences with their mentors. Occasional.

ENC 5930 CAH-ENG 3(3.0)  Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal professions, as well as for general publication. Occasional.

ENC 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(3.0)  Theories and Techniques of Literature Study: PR: Junior standing, or C.I., and C (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.

ENG 3070 CAH-ENG 3(3.0)  Cultural Studies Literature: PR: Grade of C (2.0) or better required in ENC 1102. The theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce cultural studies. Occasional.

ENG 4114 CAH-ENG 3(3.0)  Literature and Film: PR: Grade of C (2.0) or better required in ENC 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.


ENL 5009 CAH-ENG 3(3.0)  Methods of Bibliographic Research: PR: Graduate status or senior standing or C.I. Bibliographic, literary and systematic approaches to research at 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 ENC 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 3296 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 4410 CAH-ENG 3(3.0)  English Novel: PR: Grade of C (2.0) or better required in ENG 314. Analysis of major English novelists. Occasional.

ENL 4420 CAH-ENG 3(3.0)  English Romantic Writers: PR: Grade of C (2.0) or better required in ENG 314. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. Occasional.

ENL 4523 CAH-ENG 3(3.0)  The Victorian Age: Poetry: PR: Grade of C (2.0) or better required in ENG 314. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossettis, and Emily Bronte. Occasional.

ENL 4622 CAH-ENG 3(3.0)  Nineteenth Century British Prose: PR: Grade of C (2.0) or better required in ENG 314. Essays and fiction of the nineteenth century. Occasional.

ENL 4723 CAH-ENG 3(3.0)  Modern British Literature: PR: Grade of C (2.0) or better required in ENG 314. Major writers of modern British literature. Occasional.

ENL 4733 CAH-ENG 3(3.0)  British Authors: PR: ENG 314. 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 4737 CAH-ENG 3(3.0)  Shakespeare Studies: PR: Grade of C (2.0) or better required in ENG 314. The Canterbury Tales, Troilus and Cressida, and other works. Occasional.

ENL 4738 CAH-ENG 3(3.0)  Shakespeare and His Age: PR: Grade of C (2.0) or better required in ENG 314. 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.
UCF Courses and Descriptions

EHU 4610H CAH-HIST 3(3,0)
Honors Women in European Society: PR: GEP 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.

EHU 4620 CAH-HIST 3(3,0)
European Great Powers: 1815-1914: PR: EHU 3001 or EHU 3011 or EHU 3021 or EHU 3031. A history of European states and regimes in Europe from mid-19th century to the fall of the Berlin Wall. The course focuses on the history of communism outside of Russia and opposition to the communist regimes. Occasional.

EHU 4674 CAH-HIST 3(3,0)

EHU 4674H CAH-HIST 3(3,0)
Honors Sports & Society in the Ancient World: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to comparing the Original Olympic games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EHU 5247 CAH-HIST 3(3,0)
Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history between 1919 and 1939. Occasional.

EHU 5285 CAH-HIST 3(3,0)
Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. Occasional.

EHU 5371 CAH-HIST 3(3,0)
Colloquium in Spanish History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Spanish history. Occasional.

EHU 5415 CAH-HIST 3(3,0)
Rome and Early Christianity: PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with Judaism and eventual "triumph" within the Roman Empire. Occasional.

EHU 5419 CAH-HIST 3(3,0)
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.

EHU 5459 CAH-HIST 3(3,0)
Colloquium in French History: PR: Graduate standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times only. Occasional.

EHU 5546 CAH-HIST 3(3,0)
Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British history. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. Occasional.

EHU 5579 CAH-HIST 3(3,0)
Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1917-present. Occasional.

EHU 5595 CAH-HIST 3(3,0)
Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EHU 5608 CAH-HIST 3(3,0)
Colloquium European Intellectual History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of European intellectual history. Occasional.

EVR 5930 CAH-BIOL 1(1,0)
Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing a broad base of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. Occasional.

EXP 3204C COS-PSYCH 4(3,2)

EXP 3250 COS-PSYCH 3(3,0)

EXP 3304C COS-PSYCH 3(3,2)

EXP 3404C COS-PSYCH 3(3,2)

EXP 3604C COS-PSYCH 4(3,2)

EXP 4507C COS-PSYCH 3(1,4)
Advanced Human Memory and Cognition: PR: PSY 3213C, EXP 3604C. In-depth coverage of experimental research on human memory and cognition. Occasional. M&S fee $15.00

EXP 5208 COS-PSYCH 3(3,0)
Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0)
Human Factors and Aging: PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH 3(3,0)
Psychology of Learning and Motivation: PR: DEP 5557, and graduate status or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. Occasional.

FIL 1000 CAH-FILM 3(3,0)
Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall, Spring. M&S fee $5.00

FIL 1424 CAH-FILM 3(3,0)
Film Production Tools: Basic tools of filmmaking, including digital video cameras, 16 mm cameras, basic lighting equipment, non-linear editing equipment, sound recording and mixing, laboratory processing, and digital post-production. Occasional.

FIL 2030 CAH-FILM 3(2,2)
History of Motion Pictures: The history of motion pictures as art and industry; from 1895 to the present. Fall. Spring. M&S fee $0.00

FIL 2107 CAH-FILM 3(3,0)
Script Analysis: PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used by both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

FIL 2423 CAH-FILM 3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.

FIL 2461 CAH-FILM 3(3,0)
Cinematography I: PR: FIL 2274C and FIL 2480. Concepts and tools of cinematography and lighting. Fall. M&S fee $5.00

FIL 2480 CAH-FILM 3(3,0)
Directing for Film I: PR: FIL 1007, FIL 1008, and FIL 3427C or CR or FIL 3115. Introduction to processes and techniques for film directing. Spring.

FIL 2481 CAH-FILM 3(3,0)
Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-FILM 3(3,0)
Editing I: PR: FIL 1006 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&S fee $5.00.

FIL 3006 CAH-FILM 3(3,0)

FIL 3035C CAH-FILM 3(3,1)
Film Histories II: PR: FIL 3030. Surveys and questions historical approaches to film and seeks to open up the field of historical enquiry to a variety of views. Fall.

FIL 3036 CAH-FILM 3(3,0)
Film History I: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

FIL 3037 CAH-FILM 3(3,0)
Film History II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

FIL 3041 CAH-FILM 3(3,0)
History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.

FIL 3051 CAH-FILM 3(3,0)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 3070C CAH-FILM</td>
<td>Cinema in the 1920s: PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.</td>
</tr>
<tr>
<td>FIL 3071C CAH-FILM</td>
<td>Cinema in the 1930s: PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.</td>
</tr>
<tr>
<td>FIL 3072C CAH-FILM</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3073C CAH-FILM</td>
<td>Cinema in the 1960s and 1970s: PR: FIL 3035C. Films of the 1960s and 1970s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.</td>
</tr>
<tr>
<td>FIL 3074C CAH-FILM</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3075C CAH-FILM</td>
<td>Film and Modernism I: PR: FIL 3035C and ARH 2020. Readings and films from modernist centers and key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. Spring.</td>
</tr>
<tr>
<td>FIL 3076C CAH-FILM</td>
<td>Film and Modernism II: PR: FIL 3075C and ARH 2061. 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.</td>
</tr>
<tr>
<td>FIL 3102 CAH-FILM</td>
<td>Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007. Theories and processes of screenwriting for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring.</td>
</tr>
<tr>
<td>FIL 3106C CAH-FILM</td>
<td>Introduction to Scriptwriting: PR: Film majors only. Rudiments of scriptwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. Occasional.</td>
</tr>
<tr>
<td>FIL 3115 CAH-FILM</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3132 CAH-FILM</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3304C CAH-FILM</td>
<td>Documentary Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.</td>
</tr>
<tr>
<td>FIL 3307 CAH-FILM</td>
<td>Docudrama: 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.</td>
</tr>
<tr>
<td>FIL 3363C CAH-FILM</td>
<td>Film Documentary: PR: FIL 2030 and Film BFA or Cinema Studies major. The uses and analysis of the non-fiction film. Fall, Spring. M&amp;S fee $5.00.</td>
</tr>
<tr>
<td>FIL 3427C CAH-FILM</td>
<td>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&amp;S fee $45.00.</td>
</tr>
<tr>
<td>FIL 3455C CAH-FILM</td>
<td>Film Landscapes: Story, Image and Production Design: PR: FIL 2423 or FIL 3427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. Occasional.</td>
</tr>
<tr>
<td>FIL 3462C CAH-FILM</td>
<td>Cinema Expression: PR: FIL 3036C. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. Spring.</td>
</tr>
<tr>
<td>FIL 3483 CAH-FILM</td>
<td>Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. Occasional.</td>
</tr>
<tr>
<td>FIL 3492C CAH-FILM</td>
<td>Performance in Film: PR: FIL 3035C. Study of the different traditions and forms of acting in film. Occasional.</td>
</tr>
<tr>
<td>FIL 3534 CAH-FILM</td>
<td>Sound Design for Film I: PR: FIL 3427C and Film BFA or C.I. Technical and aesthetic aspects of production and post-production sound recording, editing, and mixing for film. Fall.</td>
</tr>
<tr>
<td>FIL 3581 CAH-FILM</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3720C CAH-FILM</td>
<td>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&amp;S fee $45.00.</td>
</tr>
<tr>
<td>FIL 3734C CAH-SVAD</td>
<td>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&amp;S fee $45.00.</td>
</tr>
<tr>
<td>FIL 3803C CAH-FILM</td>
<td>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&amp;S fee $10.00.</td>
</tr>
<tr>
<td>FIL 3804C CAH-FILM</td>
<td>Film Theory and Criticism II: PR: FIL 2107 and Film BFA or Cinema Studies major. Major film theories from Second World War period to present. Spring. M&amp;S fee $10.00.</td>
</tr>
<tr>
<td>FIL 3820 CAH-LANG</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3822 CAH-LANG</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3823 CAH-LANG</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3824 CAH-FILM</td>
<td>Italian Neo-Realist Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Occasional.</td>
</tr>
<tr>
<td>FIL 3826 CAH-LANG</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3841 CAH-FILM</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3842 CAH-FILM</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3845 CAH-FILM</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3847 CAH-FILM</td>
<td>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.</td>
</tr>
<tr>
<td>FIL 3850 CAH-FILM</td>
<td>Cinema Directors: PR: FIL 3036C 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.</td>
</tr>
<tr>
<td>FIL 3852 CAH-FILM</td>
<td>Cinema Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 2030, FIL 3803C. Modes of cinema criticism. Occasional.</td>
</tr>
<tr>
<td>FIL 3862 CAH-FILM</td>
<td>The Shot, Framing, Point of View: PR: FIL 3305C. Approaches to the shot, framing and point of view. Occasional.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

FIL 3862C CAH-FILM 3(1,1) Narrative Structures in Film: PR: LIT 2110 and LIT 2115. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.


FIL 3871 CAH-FILM 3(3,0) The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker's style, vision and works; how these evolved from their impact on film and the culture. May be repeated for credit. Fall. M&S fee $5.00.

FIL 3876C CAH-FILM 3(3,1) Experimental Cinema I: PR: FIL 3075C. A notion of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. Fall. Spring.

FIL 3877C CAH-FILM 3(3,1) Experimental Cinema II: PR: FIL 3876C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. Spring.

FIL 3878C CAH-FILM 3(3,1) Color and Lighting in Cinema: PR: FIL 3053C. Ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.

FIL 3880C CAH-FILM 3(3,1) Images of Women in Film: PR: FIL 2030. Images of women in film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. Fall. Spring.

FIL 3922 CAH-FILM 1(1,1) Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall. Spring.

FIL 4040 CAH-SVAD 3(3,0) Animation Film History for Non Film Majors: PR: ENC 1102. Evolution of animation since World War II. Occasional.


FIL 4057C CAH-FILM 3(3,1) Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

FIL 4103 CAH-FILM 3(3,0) Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptation. Occasional.

FIL 4113C CAH-FILM 3(2,3) Interactive Writing I: PR: Junior Standing, Film major, FIL 3115 or Digital Media major. Writing workshop for experienced screenwriters, cold readings, preparing calling card script, marketing scripts and funding sources. Occasional.

FIL 4114C CAH-FILM 3(3,2) Interactive Writing II: PR: Film major and FIL 4113C. Advanced writing and development of short interactive narratives as well as examination of non-traditional structures as applied to interactive writing. Occasional.

FIL 4126C CAH-FILM 3(2,2) Genre Writing: PR: Film major, FIL 3810C. Advanced screenwriting practice in selected genres, including comedy, horror, western, crime, etc. Occasional.

FIL 4162C CAH-FILM 3(2,3) Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies minor, or FIL 3115, or C.I. Writing workshop, examination of mythic storytelling, and ethics of screenwriting. Fall.

FIL 4163C CAH-FILM 3(2,3) Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader’s coverage. Spring.

FIL 4301C CAH-FILM 3(1,3) Documentary Workshop I: PR: FIL 3360C or C.I. Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Fall.

FIL 4302C CAH-FILM 3(1,3) Documentary Workshop II: PR: FIL 4301C or C.I. Non-narrative projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Spring.

FIL 4303C CAH-FILM 3(3,1) Film Fiction and the Document: PR: LIT 2110, FIL 3075C, and FIL 3076C. Study of the shifting boundary between fiction and documentary in film and in the other arts at the core of which is the notion of the document. Fall.

FIL 4428 CAH-FILM 3(3,0) Epidisocic Production: PR: Film or Animation Majors. Epidemic film production techniques. Occasional.

FIL 4433C CAH-FILM 3(2,4) Intermediate Film Production: PR: Film major, FIL 3427C. Advanced exploration of the aesthetic and technical facets of filmmaking. Occasional. M&S fee $45.00.

FIL 4436 CAH-FILM 3(3,1) Capstone I: PR: FIL 3132 and FIL 4602C. Film BFA or World Cinema major. A notion of film as a high-end 3D animation system. May be repeated for credit. Fall. Odd Spring. M&S fee $45.00.

FIL 4467 CAH-FILM 3(3,1) 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 4469 CAH-FILM 3(3,0) Film Fiction and the Document: PR: FIL 3427C and junior standing. 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 4735C CAH-SVAD 3(2,4) Special Problems in Film Design: PR: FIL 2423 or FIL 4327C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.

FIL 4756C CAH-FILM 3(3,0) Animation Workshop: PR: Animation majors only, FIL 3720C, FIL 3734C, FIL 4753C, 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 2030 or C.I. Moving images, the still image, and text in their cultural contexts. Occasional.

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 4863C CAH-FILM 3(3,1) Montage: PR: FIL 3075C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and discontinuities. The course is theoretical with practical exercises. Fall.

FIL 4934C CAH-FILM 3(3,1) Current Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

FIL 4935C CAH-FILM 3(3,1) Current Problems in Film Theory: PR: FIL 3035C. Concentration on most recent work in film studies concerned with film theory. Occasional.
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 the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.

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 primary functions 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 and related 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 4500C. 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.

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 4841 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 cultural, language immersion, Therapeutic, and applied knowledge of culture and language diversity. Occasional.

FLE 4200 ED-TL&L 2(2,0)
Technology in the Foreign Language classroom: PR: EME 2400, EDG 4323. Applications of technology in the foreign language classroom including uses of the Web, e-mail, chat, electronic portfolios, electronic curriculum planning tools, and software. May be repeated for credit. Occasional.

FLE 4314 ED-TL&L 3(3,0)
Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

FLE 4333 ED-TL&L 3(3,0)
Foreign Language Teaching in the Secondary School: PR: EDO 3423, 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 written 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 4323, or EDG 6226, or classroom teaching experience, and fluency in the target language and English. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-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 6226, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be 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.
FRE 1120C CAH-LANG  4(3,1)
Elementary French Language and Civilization I: Introduces the student to French culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in the language. Fall, Spring.

FRE 1121C CAH-LANG  4(3,1)
Elementary French Language and Civilization II: Pr: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2200 CAH-LANG  3(3,1)
Intermediate French Language and Civilization I: Pr: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2201 CAH-LANG  3(3,1)
Intermediate French Language and Civilization II: Pr: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 2240 CAH-LANG  3(3,0)
Intensive French Conversation: Pr: One year of French or equivalent. Intensive use of the language, leading toward fluency and correctness in speaking. Occasional.

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. 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 3440 CAH-LANG  3(3,0)

FRE 3441 CAH-LANG  3(3,0)

FRE 3760 CAH-LANG  3(3,0)
Advanced French Oral Communication: Pr: FRE 2201 or equivalent. Vocabulary building with systematization 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: Pr: 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. A study of 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: FRW 3810. Previous French courses 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 16th 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.
Catering and Banquet Organization: PR: FSS 221C or permission of C.I. Methods and processes for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. MAS fee $70.00

Knowledge and hands-on processes in the accounting, Fall, Spring.

the elements of a professionally written business proposal.

original concept through a process that incorporates all

Program. Seminar for LEAD Scholars in the College of

ACG 2071, ECO 2013, and ECO 2023. Understanding the

foundations of Leadership:

GEB 1091C BA-BUS 2(1,1)

Technological Entrepreneurship:

GEB 2350 BA-MAR 3(3,0)

Business Law in Sport & Entertainment: PR: SPB 3003, and either FIN 2105 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.

GEB 4824 BA-BUS 3(3,0)

Business in the International Environment:

GEB 5516 BA-BUS 3(3,0)

Technological Entrepreneurship: PR: Graduate standing. Focus is on the development and commercialization of new technologies. Emphasis will be placed on the legal, financial and strategic aspects of technology transfer and development. Occasional.

GEB 5941 BA-BUS 1.5(1.5,0)

Professional Business Practicum: PR: Acceptance in the program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. Occasional.

GEO 1200 ECS-CECE 3(3,0)

Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.

GEO 2370 ECS-CECE 3(3,0)

Resources Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.

GEO 3471 COS-POLS 3(3,0)

World Political Geography: Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GER 1120C CAH-LANG 4(3,1)

Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

GER 1120H CAH-LANG 4(4,1)

Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

GER 1121C CAH-LANG 4(3,1)

Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

GER 1121H CAH-LANG 4(4,1)

Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.

GER 2200 CAH-LANG 3(3,1)

Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

GER 2201 CAH-LANG 3(3,1)

Intermediate German Language and Civilization II: PR: GER 1121C or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

GER 2210 CAH-LANG 3(3,0)

Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

GER 2240 CAH-LANG 3(3,0)

German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

GER 2270 CAH-LANG 6(6,0)

Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

GER 2271 CAH-LANG 2(2,0)

Modern German Civilization Abroad I: PR: One year of college-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest 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 C.I. Development of a modern German. Students will read and discuss selected texts from different literary periods and view the influences that shaped German culture and daily life. Course conducted in German. Occasional.

GER 3272 CAH-LANG 2(2,0)

Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lectures, readings, films, and other media. In German. Occasional.

GER 3277 CAH-LANG 3(3,0)


GER 3420 CAH-LANG 3(3,0)


GER 3440 CAH-LANG 3(3,0)


GER 3441 CAH-LANG 3(3,0)

Business German II: PR: GER 3440. Continuation of Business German I. Occasional.

GER 3470 CAH-LANG 6(6,0)

Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. Occasional.

GER 3760 CAH-LANG 3(3,0)

Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in diction and intonation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Even Fall.

GER 3780 CAH-LANG 3(3,0)

German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation. Occasional.

GER 4422 CAH-LANG 3(3,0)

Advanced German Grammar: PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designed for advanced students of the German language. Occasional.

GER 4510 CAH-LANG 3(3,0)

Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520 CAH-LANG 3(3,0)

Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 2254</td>
<td>Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting: Basic understanding of financial accounting and specifically hospitality industry accounting concepts and procedures used in hotels, restaurants and clubs.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 2750</td>
<td>The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3263</td>
<td>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.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3273</td>
<td>Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3285</td>
<td>International Restaurant Corporation Management: PR: HFT 3263. The specific principles of managing a restaurant corporation in the international foodservice marketplace.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3323</td>
<td>Hospitality Physical Plant Management: PR: Junior standing, Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3353</td>
<td>Golf Planning &amp; Operations I: Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising &amp; inventory procedures.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3357</td>
<td>Golf &amp; Club Event Operations: PR: HFT 1000, HFT 2900. Develop, plan, and organize golf tournaments of all types.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3373</td>
<td>Event Design, Production &amp; 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.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3374</td>
<td>Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750, or C.I. The management of the audio and visual process of a large exhibition.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3384</td>
<td>Golf and Club Enterprises Management: PR: HFT 1000, FSS 2221C, A comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities.</td>
<td>Occasional</td>
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<tr>
<td>HFT 3341</td>
<td>Hospitality Industry Managerial Accounting: PR: HFT 2401, and C.I. Preparation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3443</td>
<td>Event Technology: PR: HFT 1000 and HFT 2750, or C.I. Use of technology in the event industry to solidly promote helps people be more productive. Covers types of technology for different event processes.</td>
<td>Occasional</td>
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<tr>
<td>HFT 3444</td>
<td>Hospitality Information Systems: PR: CGS 2100C, HFT 2254, and HFT 3263, or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operational knowledge.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3512</td>
<td>Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants.</td>
<td>Occasional</td>
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<tr>
<td>HFT 3515</td>
<td>Reservations Sales &amp; Marketing: PR: HFT 1000, HFT 2500 or C.I. Provides insight to hotel, housing, performing and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability.</td>
<td>Odd Fall</td>
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<tr>
<td>HFT 3517</td>
<td>Convention and Conference Sales: PR: HFT 2750, HFT 2500 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3519</td>
<td>Event Services: PR: HFT 2750 or C.I. In-depth understanding of the acquisition and management of services integral to successful events, including conventions, conferences, and catered functions.</td>
<td>Fall, Spring</td>
<td>M&amp;S fee $32.00</td>
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<tr>
<td>HFT 3523</td>
<td>Event Sales: PR: HFT 2500 and HFT 3519, or C.I. In-depth look at the sales process for events, including the development of requests for proposals, negotiation skills and sales strategies.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3540</td>
<td>Guest Services Management I: PR: Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3547</td>
<td>Food Service Marketing Advertising and Promotion Management: PR: HFT 2500 and HFT 3623. Covers pricing, promotion, menu and product development.</td>
<td>Occasional</td>
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<tr>
<td>HFT 3603</td>
<td>Legal Environment in the Hospitality and Tourism Industry: PR: C.I. Principles of law as related to the Hospitality/Tourism Industry.</td>
<td>Fall, Spring</td>
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<tr>
<td>HFT 3610</td>
<td>Law and Restaurant Management: PR: HFT 3603 and HFT 3623. Emphasizes on regulatory, case and administrative law, Compliance, prevention, and remedial actions are stressed.</td>
<td>Occasional</td>
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<tr>
<td>HFT 3654</td>
<td>Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history.</td>
<td>Fall, Spring</td>
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</tbody>
</table>
C.I. Comprehensive analysis of applied theories, principles, and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4255 RCHM-HOS 3(3,0) Advanced Hotel Development: PR: HFT 4464, HFT 3444, HFT 3603 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

HFT 4266 RCHM-HOS 3(3,0) Restaurant Brand Management: PR: HFT 3263 and junior standing or C.I. Application of case study methodology to advanced topics in chain or multi-unit restaurant and foodservice operations. Occasional.

HFT 4269 RCHM-HOS 3(3,0) Case Studies in Restaurant Management: PR: HFT 3263 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4274 RCHM-HOS 3(3,0) Resort Management: PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of resorts. Occasional.

HFT 4275 RCHM-HOS 3(3,0) Development of Vacation Ownership Resorts: PR: HFT 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 operational 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 executives. Fall, Spring.

HFT 4284 RCHM-HOS 3(3,0) Training and Employee Performance in the Foodservice Industry: PR: HFT 2220; HFT 3540; HFT 4288; HFT 4343; FSS 3124; FSS 4155. 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 2212; HFT 2254; HFT 2500; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentation, 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 4295 RCHM-HSP SERV 3(3,0) Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. 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.

HFT 4343 RCHM-HSP SERV 3(3,0) Hospitality Facilities Planning and Design: PR: HFT 3444 and junior standing or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.


HFT 4375 RCHM-TEA 3(3,0) Advanced Ticketing and Revenue Management: PR: HFT 4745 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.

HFT 4413 RCHM-SERV 3(3,0) Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4425 RCHM-SERV 3(3,0) Financial Analysis for Restaurant Managers: PR: HFT 3441, HFT 3431, and HFT 3603. Topics of unit level economics, budgeting, valuation of restaurant enterprises, ownership models, franchising finance, and securing access to capital through debt and equity markets. Occasional.

HFT 4432 RCHM-SERV 3(3,0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.


HFT 4457 RCHM-SERV 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Even Spring.

HFT 4464 RCHM-SERV 3(3,0) Hospitality Industry Finance: PR: HFT 3431 and junior standing or C.I. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Odd Fall, Odd Spring.

HFT 4468 RCHM-SERV 3(3,0) Hospitality Industry Revenue Management: PR: HFT 2254 and HFT 3431. Revenue management practices in hospitality organizations which include capacity management, revenue forecasting, discounting, overbooking and rate management. Fall, Spring.

HFT 4473 RCHM-SERV 3(3,0) Hotel Development Analysis: PR: HFT 3431 and junior standing or C.I. Review of methodological operation, financial, and marketing aspects of analyses for hotel development projects. Occasional.

HFT 4522 RCHM-HOS 3(3,0) Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 2254, or C.I. Sales tactics and corporate strategies employed in the sales and marketing of resorts. Occasional.

HFT 4523 RCHM-TEA 3(3,0) Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 4755 and junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.


HFT 4614 RCHM-TEA 3(3,0) Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3603 or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 4645 RCHM-HOS 3(3,0) Restaurant Real Estate, Site Selection, and Modeling: PR: Hospitality and Restaurant Management Core or C.I. Explains the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations. Occasional.

HFT 4722 RCHM-TEA 3(3,0) Travel Agency Management: PR: Junior Standing. The trends operation management procedures and practices of travel agents. Emphasis on tools utilized in agency operations. Occasional.

HFT 4732 RCHM-TEA 3(3,0) Tourism Impact Analysis: PR: HFT 3700. Quantitative impact analysis tourism as an industry in the regional/national economy along the tourism satellite accounts concept. Fall, Spring.

HFT 4735 RCHM-TEA 3(3,0) Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.

HFT 4736 RCHM-TEA 3(3,0) Destination Management: PR: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. Occasional.

HFT 4753 RCHM-TEA 3(3,0) Convention and Conference Services: PR: HFT 3517 and junior standing or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. Spring.

HFT 4754 RCHM-TEA 3(3,0) Exhibit and Trade Show Operations: PR: HFT 2750 and junior standing or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.

HFT 4755 RCHM-TEA 3(3,0) Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandise, food services, and architectural design. Fall, Spring.

HFT 4757 RCHM-TEA 3(3,0) Event Management: PR: HFT 3670, HFT 3512, HFT 3373 HFT 3520, HFT 3518, or C.I. Event planning, including how organizations use events to achieve strategic objectives. Students plan and execute events that meet and/or exceed industry standards. Fall. Spring. M&S fee $65.00

HFT 4759 RCHM-TEA 3(3,0) Product Development in Theme Parks and Attractions: PR: HFT 4755 and junior standing or C.I. The strategic management process associated with product development in the theme parks and attraction industry. Occasional.

HFT 4786 RCHM-TEA  3(3,0) Managing the Guest Experience in the Theme Park and Attractions Industry: PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions. Spring.

HFT 4787 RCHM-TEA  3(3,0) Operational Issues in the Theme Park and Attraction Industry: PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions. Fall.

HFT 4791 RCHM-TEA  3(3,0) Event Management II: PR: HFT 3670, HFT 3512, HFT 3443, HFT 3792, FSS 2221C, HFT 3802, and HFT 3797. Capstone course in event management. Students produce an event that has been planned in HFT 3797. Occasional. M&S fee $65.00.

HFT 4795 RCHM-TEA  3(3,0) Entertainment Arts and Events: PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and entertainment attraction. Covers show development, event production, creative processes, casting, costuming, styling, and evaluation. Fall, Spring.

HFT 4796 RCHM-TEA  3(3,0) International Events: PR: HFT 1000 and HFT 2750; or C.I. Considerations when planning events that are held outside the United States or that affect a large number of participants from outside the United States. Occasional.

HFT 4802 RCHM-TEA  3(3,0) Catering Management: PR: HFT 3443, HFT 3870, HFT 3792, HFT 3512, FSS 2221C. Catering sales and operations. Emphasis on logistics, market segments, and service. Fall, Spring. M&S fee $45.00.

HFT 4844 RCHM-HOS  3(3,0) Sanitation in the Food Service Industry: PR: HFT 1000 and junior standing or C.I.Causes and prevention of food spoilage and food borne illnesses. Includes National Restaurant Association (NRA) certification. Occasional.

HFT 4861C RCHM-HOS  3(3,1) Beverage Management: PR: Minimum age of 21 by the first day of class and junior standing. The origin production, storing, marketing, and control of beverages in the hospitality industry. Spring. M&S fee $45.00.


HFT 4865 RCHM-HOS  3(3,0) Advanced Wine Management: PR: HFT 4864C or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&S fee $45.00.

HFT 4866C RCHM-HOS  3(3,1) Exploring Wines of the World: PR: HFT 1000; HFT 3250; and Age of 21; or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. Odd Fall, Even Spring. M&S fee $70.00.

HFT 4894 RCHM-HOS  3(3,0) International Gastronomy: PR: FSS 2221C, HFT 3700, and C.I. A world view of culture and cuisine that will provide an introduction into the regions division linked Ahimsa program; and C.I. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. Spring.

HIM 3116C HPA-HMI  4(3,2) Health Record Organization and Management: PR: HFT 3810 or C.I. An introduction to the creation, maintenance, and distribution of health care information. Fall. Spring.

HIM 3360C HPA-HMI  3(1,4) Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HSC 3537 and HIM 3116C. Virtual hospital tour; master patient index; numbering and coding systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

HIM 4262C HPA-HMI  5(3,4) Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval. ICD-9-CM, DRGs; encoders. Fall, Spring.

HIM 4256C HPA-HMI  3(2,2) Coding Procedures II: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval. CPT/HCPCS, APCS; encoders. Fall.

HIM 4344C HPA-HMI  3(3,0) Health Information Department Management: PR: HFT 2750; HSA 3012; or C.I. Personnel management; administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. Fall.

HIM 4508C HPA-HMI  3(2,2) Quality Management: PR: HSC 3537 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.

HIM 4656C HPA-HMI  3(2,2) Health Information Management Systems: PR: or CR: HIM 3006. Vitalization of computerized information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts. Fall, Spring.

HIM 4676 HPA-HMI  3(3,0) Professional Development and Issues in Health Information Management: PR: HIM 4344, HIM 4508C. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. Spring.

HIS 4819C HPA-HP  3(3,1) Professional Practice Experience II: PR: HIM 3800C or CR: HIM 3802C, HIM 4508C, HIM 4656C, and HIM 4676C. Transcription; coding; quality improvement; utilization review; management; human resources; statistics; accrediting and licensing; revenue management; medical staff organization. Fall, Spring.

HIS 4838 HPA-HMI  5(0,15) Management Affiliation: PR: or CR: HIM 4676 and HIM 4516C. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Health Information Administrator; lab exercises; comprehensive exam. Fall, Spring.

HIM 5118C HPA-HMI  4(3,1) Health Care Informatics and Information Technology: PR: Admission to M.S. in Health Care Informatics or C.I. An overview of information systems in healthcare and information technology in healthcare decision making. Ethical, planning and legal issues of informativ will be explored. Fall.

HIS 3462 CAH-HIST  3(3,0) History of Science: PR: EUH 2000 and EUH 2001 or C.I. Examines past and present science, scientific thought, and the relationship between science and society. Occasional.

HIS 3949 CAH-HIST  0(0,8) Cooperative Education in History: PR: Departmental permission required before registering. Cooperative education experience in history. Graded S/U. May be repeated for credit. Occasional.

HIM 4070 CAH-HIST  3(3,0) Oral History: PR: Either ANH 2010, ANH 2020 or C.I. Theories and practices of oral history. Field work required. Occasional.

HIS 4150 CAH-HIST  3(3,0) History and Historians: PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times. Fall, Spring.


HIS 4940 CAH-HIST  3(3,0) History of Medicine: PR: ANH 2010 or ANH 2020. The history of medicine and its relationship to culture and society from theAncient World to the present. Occasional.

HIS 4935 CAH-HIST  3(3,0) Senior Seminar: PR: Senior standing, history major, and C.I. Research in history through sustained reading, writing, and discussion on a focused topic. May be repeated for credit. Fall, Spring.

HIS 4944 CAH-HIST  3(3,0) Internship in Public History: PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. Fall, Spring.

HIS 4970 CAH-HIST  3(3,0) Senior Thesis: Original research paper available to advanced history majors, topics to be selected in consulta tion with a directing professor. Occasional.

HIS 5067 CAH-HIST  3(3,0) Introduction to Public History: PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

HIS 5158 CAH-HIST  3(3,0) Classic and Contemporary Historical Thought: PR: Graduate status or senior standing or C.I. Course will explore work of important historians influenced by social theory to gain an understanding of their main concepts. Occasional.

HLP 2701 ED-TL&L  3(3,0) Peer Education Training: PR: Sophomore standing and C.I. Strategies for teaching life skills and health education information for secondary students and college age peers. Fall, Spring.

HLP 4722 ED-TL&L  1(1,0) Teaching Elementary School Health and Physical Education: PR: EDF 2005; CR: ARE 4313, MUE 3210, RED 4519, MAE 4326, and EDE 3942. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. Fall, Spring.

HSA 3012 HPA-HP  3(3,0) Issues & Trends in Public Health: PR: Sophomore standing and (CIS 1060C or CIS 2100C). The American public health system, looking at the historical, present day, and future organization and management of all its components. Occasional.

HSA 3111 HPA-HP  3(3,0) U.S. Health Care Systems: PR: (CIS 1060C or CIS 2100C) and Sophomore Standing. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.

HSA 3111H HPA-HP  3(3,0) U.S. Health Care Systems Honors: PR: Major or minor in College of Health or C.I. Permission of Honors. A survey of the economics, social, and political aspects of the health care system in the United States. With Honors content. Occasional.
UCF Courses and Descriptions

HSA 4170 HPA-HP  3(3,0)

HSA 4222 HPA-HP  3(3,0)

HSA 4340 HPA-HP  3(3,0)
Health Care Economics: PR: HSA 3111; ECO 2023, or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. Fall, Spring.

HSA 4109 HPA-HP  3(3,0)
Principles of Managed Care: PR: HSA 3111, C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4150H HPA-HP  3(3,0)
Honors Health Care Policy: PR: Permission of Honors and Junior Standing or C.I. Examination of five significant policy issues to enable the student to gain knowledge and understanding of the complexities of health care as a societal issue. Occasional.

HSA 4180 HPA-HP  3(3,0)
Organization & Management for Health Agencies I: PR: HSA 3111 or admitted to HILL 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 4184 HPA-HP  3(3,0)
Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4180, or C.I. In-depth analysis of the management and organization of healthcare organizations including hospitals, long term care facilities, and medical group practices. Fall.

HSA 4191 HPA-HP  3(3,0)
Health Care Automation: PR: HSA 3111, C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4220 HPA-HP  3(3,0)

HSA 4452 HPA-HP  3(3,0)
Risk Management Systems: PR: HSA 3111 or C.I. Safety, liability and loss control issues with emphasis on risk control, risk reduction and risk transfer in health care. Fall, Spring.

HSA 4701 HPA-COM SCADIS  6(6,0)
Introduction to Research in the Health Professions: PR: Senior or post-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, 90 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 3110, HSA 4340 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. Preparationary 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 5206 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 management decision making process will be presented. Occasional.

HSA 5257 HPA-HP  3(3,0)
ICD9 Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing coding skills to facilitate understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5198 HPA-HP  3(3,0)
Health Care Decision Sciences and Knowledge Management: PR: STA 5206 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 management decision making process will be presented. Occasional.

HSC 2100 HPA-HP  3(3,0)

HSC 2100 HPA-HP  3(3,0)

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: PR: Admission to Cardiopulmonary Sciences program, or C.I. Review of instructional principles and methodology in health professions education. Fall, Spring.

HSC 4500 HPA-HP  3(3,0)
Epidemiology: PR: HSC 3111 and (STA 2014C or STA 2023), or C.I. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.

HSC 4501 HPA-HP  3(3,0)
Epidemiology of Chronic Diseases: PR: HSC 4555, HSC 4556, and either STA 2014C or STA 2023. Epidemiology of chronic diseases including risk factors, etiology, mortality and morbidity as they relate to causes, mechanisms, and intervention. Fall, Spring.

HSC 4555 HPA-HP  3(3,0)
Pathophysiology I: PR: ZOO 3733C and PCB 3703C, or C.I. Abnormalities in the 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, hepatothe, 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 4562 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 facing health care consumers, practitioners, administrators and health care facilities. Fall, Spring.

HSC 4730 HPA-HP 3(3,0) Applied Health and Wellness Methodologies (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, curriculum, and current 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, and notification and 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) Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2210H CAH-PHIL 3(3,0) Honors Humanistic Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall.

HUM 2230 CAH-PHIL 3(3,0) Humanistic Tradition II: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2230H CAH-PHIL 3(3,0) Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. Spring.

HUM 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 3320 CAH-PHIL 3(3,0) Contemporary Multicultural Studies: PR: HUM 2200, 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, Japan, and Korea, 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, or REL 2300, or C.I. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. Occasional.

HUM 3419H CAH-PHIL 3(3,0) Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300, or 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 3250, 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 the Caribbean basin as expressed in 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, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. Occasional.

HUM 4301 CAH-PHIL 3(3,0) The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

HUM 4303 CAH-PHIL 3(3,0) The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. Exploration of philosophical and religious perspectives concerning secular forms of spirituality from ancient to contemporary periods; critical interrogation of the relationship between religion and spirituality. Occasional.

HUM 4330 CAH-PHIL 3(3,0) Performance Theory: PR: Junior standing and HUM 2210 or either PHI 2010, PHI 2101, 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 evaluating 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; emphasis on 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 major. Capstone course on research, developing effective oral and written communication skills. Occasional.

HUM 5802 CAH-PHIL 3(3,0) Applied Contemporary Humanities: PR: HUM 5003, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural uses, including Humanities theories and methods. Occasional.

HUM 5803 CAH-PHIL 3(3,0) Theories and Methods of the Humanities: PR: senior 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 interdisciplinarian theories and methods. Fall.

HUM 2002 HPA-HP 3(3,0) Modern Concepts in Nutrition: An examination of the eating patterns of today's American people. Topics include: nutrients in our diets, consumer demand in the food industry; fast food outlets, food trends and hunger. Fall, Spring.

HUM 3011 CON-NURS 3(3,0) Human Nutrition: PR: or CR: ZOO 3733C and CHM 1032 or C.I. Essentials of nutrition related to the life cycle including the physiological, psychological 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.
IDH 1920H BHC-HON 2(2,1)

IDH 1921H BHC-HON 2(2,0)
Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

IDH 1923H BHC-HON 2(2,0)
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.

IDH 3600H CAH-PHIL 3(3,0)
Honors Case Studies in Ethics: PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinary problems and will participate in team debates. With Honors consent. Fall.

IDH 4030H BHC-HON 1(3,0)
Honors Windows To The World: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts disciplines as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 1040C COS-COM 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program, Seminar for LEAD Scholars in the College of Arts & Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

IDS 2042C COS-COS 2(1,1)
LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GEB 1091C, HSC 1931C, EGN 1036C, EDG 1005, or EDF 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150 UGST-INTERDISC 3(3,0)
Foundations of Environmental Studies: PR: Junior standing and either PAD 300 or POS 2041 or C.I. Interdisciplinary study of cultures, economics, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3180 HPA-PUB 3(3,0)
Civic Engagement: PR: Junior standing and either PAD 300 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. Even Fall, Even Spring.

IDS 3333 UGST-INTERDISC 3(3,0)
World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economics, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3334 CAH-HIST 3(3,0)
Topics in Latin Studies: PR: ENC 1102. Multidisciplinary course exploring various topics pertaining to Latin America and the Caribbean. Fall, Occasional.

IDS 3932 UGST-INTERDISC 3(3,0)
Cornerstone Experience: PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study of concepts, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.

IDS 4156 UGST-INTERDISC 3(3,0)
Solving Environmental Problems: PR: IDS 3180, 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.

IDS 4204C 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.

IDS 4315 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.

IDS 4335 CAH-CAH 3(3,0)
Latino Artistic Expressions: PR: IDS 3334 or C.I. Latino culture as represented by the Arts in the United States. Odd Spring.

IDS 4934 UGST-INTERDISC 3(3,0)
Capstone Experience: PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. Fall. Spring. M&S fee $17.00

IDS 4935 COS-SOC 3(3,0)

IDS 5127 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.

IDS 5145 ECS-IEMS 3(3,2)
Interdisciplinary Course in Simulation: PR: Calculus, matrix algebra, probability and statistics, high level programming language. An interdisciplinary course on simulation with hands-on experience in discrete event modeling, continuous modeling and shared virtual world. May be repeated for credit. Occasional.

IDS 5717C COS-PSYCH 3(2,2)
Introduction to Modelling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modelling and simulation with emphasis on multidisciplinary sciences. Fall.

IDS 5719 COS-PSYCH 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.

IDS 5915 CAH-PHIL 3(3,0)

IDS 5936 CAH-PHIL 3(3,0)
Topics in Cognitive Sciences: PR: Admission 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.

INP 3004C COS-PSYCH 3(3,2)
Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychology of industrial organizations. Students required to work on individual or team assignments, research projects, and present their work in the format of mini seminars. Fall.

INP 3004H COS-PSYCH 3(3,0)

INP 3141C COS-PSYCH 1-3(3,0-9)
Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.

INP 3951 COS-PSYCH 3(0,10)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INP 4252 COS-PSYCH 3(3,0)

INP 4313 COS-PSYCH 3(3,0)
Organizational Psychology: PR: INP 3004C. Analysis of psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development. Occasional.

INP 4380 COS-PSYCH 3(3,0)
Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups from social and applied psychology perspectives. Occasional.

INP 5825 COS-PSYCH 3(3,0)
Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.

INR 2002 COS-POLS 3(3,0)
International Relations: Theory and Practice: Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

INR 3016 COS-POL 3(3,0)
Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. Occasional.

INR 3250 COS-POLS 3(3,0)

INR 3525 COS-SLS 3(3,0)
International Politics of Africa: PR: Junior standing or C.I. The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.- African relations. Occasional.

INR 4011 COS-POL 3(3,0)

INR 4303 COS-POLS 3(3,0)

INR 4303H COS-POLS 3(3,0)

INR 4305 COS-SLS 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.
Strategic Weapons and Arms Control: INR 4115 COS-POLS 3(3,0)


Global Politics of Energy: INR 4054 COS-POLS 3(3,0)


Global Drug Policy: PR: POS 2041, Junior standing or C.I. Understanding of international drug issues, policy formulation, and enforcement, government and political economic systems on drug policy. Selected Latin American and Third World cases. Odd Spring.

Politics of International Terrorism: PR: POS 2041 or C.I. The nature, evolution, and sources of international law and such subareas as recognition of states and governments, expropriation, nationality, and aliens. Occasional.


American Foreign Policy: Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.

Topics and Cases in American Foreign Policy: PR: POS 2041, Jr. standing or C.I. Gender or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.

American Security Policy: PR: POS 2041, Junior standing, or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.

Strategic Weapons and Arms Control: Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

Contemporary International Politics of Asia: Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.

The Vietnam War: Background of events leading to America’s involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.

International Politics of Latin America: Study of contemporary Latin American relations, international politics and organization, and the role of Latin America in the world. Occasional.

Issues in International Public Policy: PR: POS 2041, Junior standing or C.I. Environmental and exogenous variables, including policy analysis and decision-making, which influence select international public policy issues. Occasional.

Coercion in International Politics: Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.

Global Environmental Politics: PR: INR 2002 or C.P. The unique environmental struggles and political issues that occur on the international and global levels. Fall.

International Environmental Law: PR: Junior standing or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth’s biosphere when challenged by global and national sovereignty and economic and cultural diversity. Occasional.

The Intelligence Community: PR: POS 2041 or INR 2002 or COP 3103 or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of control and reliability questions, and issues of cooperation and coordination. Spring.

International Law I: PR: Junior standing or C.I. The nature, evolution, and sources of international law and such subareas as recognition of states and governments, expropriation, nationality, and aliens. Occasional.

International Law II: PR: INR 4401 or C.I. Examination of various sub-areas of international law, including maritime law, laws of the sea and seabed, air law, outer space, neutrality, and laws of war. Occasional.

Space Law: Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.

International Organizations: The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. Even Fall. Odd Spring.


Military Space Policy: PR: INR 2002 and Junior standing, or C.I. Politics and policymaking involved in militaries globally, consideration of effects on globalization and international policies and economic and military. Occasional.

Ethics of Interpreting Sign Language: PR: ASL 2140, ASL 2150, ASL 4181C. A study of the role of the interpreter, including business practices, professional conduct and interpreting settings. Occasional.

Interactive Interpreting I: PR: ASL 2140, ASL 2150 and ASL 4181C. Theories, guidelines, principles and practices of interpreting, including interpreter’s role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. Occasional.

Interactive Interpreting II: PR: INT 4205 or C.I. Advanced cognitive, linguistic, guidelines and motor skill development in the use of ASL. Occasional.

Interdisciplinary Applications of Calculus I: PR: MAC 2311. Interdisciplinary applications of differential and integral calculus topics in MAC 2311 to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

Interdisciplinary Applications of Calculus II: PR: MAC 2312. Interdisciplinary applications of differential and integral calculus topics in MAC 2312 to the solution of concrete problems in science, mathematics, and engineering disciplines. Spring.

Interdisciplinary Applications of Calculus III: PR: MAC 2313. Interdisciplinary applications of differential and integral calculus topics in MAC 2313 to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

Science Fiction and the Social Sciences: A multimedia examination of science fiction as the Social Science perspective. Occasional.

Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall. Spring.

Elementary Italian Language and Civilization II: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall. Spring.

Intermediate Italian Language and Civilization I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. Fall.

Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. Spring.

Intensive Italian Conversation: PR: One year of Italian or equivalent. Practical use of the language leading toward fluency and correctness in speaking. Occasional.

Intermediate Italian Conversation: PR: ITA 2200 or equivalent. Development of skills in conversation and comprehension with an introduction to Italian culture. Occasional.

Intermediate Italian Composition: PR: ITA 2200 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.


LDR 3010 CAH-LAS 3(3,0) Latin American Popular Culture: PR: SPN 1120C and SPN 1121C. Examines folklore and digital media of Latin American culture with a special focus on Mexico, Puerto Rico, and Peru. Occasional.

LDR 4023 CAH-AAS 3(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(3,1) Elementary Latin Language and Civilization I: introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.

LAT 1120H CAH-LANG 4(4,1) Honors Elementary Latin Language and Civilization I: PR: Permission of Honors. Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.


LDR 2001 UGST-INTERDISC 2(2,0) Foundations of Leadership: PR: Student enrolled in LEAD Scholars. Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.


LDR 2262 UGST-INTERDISC 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(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(2,0) Leadership in Action: Capstone Experience for LEAD Scholars: PR LDR 3215. Leadership theories and processes, 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 3673 CAH-ENG 3(3,0) Grammar & Advanced Prose Style: PR: ENC 1102. Build on fundamental principles of grammatical correctness by learning and practicing the techniques that today's expert writers use to increase sentence clarity and elegance. Occasional.

LIN 5137 CAH-ENG 3(3,0) Linguistics: 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.

LIN 5675 CAH-ENG 3(3,0) English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2000 CAH-ENG 3(3,0) Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of drama, genre, character, point of view, rhetorical and poetic devices, figurative language, verse forms; application of critical approaches to selected works. Occasional.

LIT 2110 CAH-ENG 3(3,0) World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG 3(3,0) World Literature II: PR: ENC 1102. Readings from Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 2120H CAH-ENG 3(3,0) World Literature II - Honors: PR: Permission of Honors. Same as LIT 2120, with honors-level content.

LIT 3082 CAH-ENG 3(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(3,0) Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Studies classic and contemporary Caribbean literature, both in English and selected Caribbean languages. Occasional.

LIT 3202 CAH-ENG 3(3,0) Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3313 CAH-ENG 3(3,0) Science Fiction: PR: ENC 1102. An investigation of science fiction as a literary form, together with selected readings. Honors content.

LIT 3313H CAH-ENG 3(3,0) Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content.

LIT 3381 CAH-ENG 3(3,0) Women Writers of Color: PR: ENC 1102 or C.I. A survey of women writers of color in the Americas with a particular focus on literature, history, and film. Occasional.

LIT 3383 CAH-ENG 3(3,0) Women in Literature: PR: ENC 1102. Fiction, poetry, drama, and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG 3(3,0) Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content.

LIT 3394 CAH-ENG 3(3,0) Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.
UCF Courses and Descriptions

MAC 2311 COS-MATH 4(4,0) 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 1141 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 1140C or MAC 2147 or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit in MAC 2311H. The NC grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1141 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 in MAC 2311. The NC grading policy applies to this course. With Honors content. Fall, Spring.

MAC 2312 COS-MATH 4(4,0) Calculus with Analytic Geometry II: PR: MAC 2311 or C.I. 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 exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2312H COS-MATH 4(4,0) Calculus with Analytic Geometry II (Honors): PR: MAC 2311 or C.I. MAC 1140C with a "C" (2.0) or better in MAC 2311, or score of 5 on the Calculus AB Advanced Placement Exam, and permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors content. Fall, Spring.

MAC 2313 COS-MATH 4(4,0) Calculus with Analytic Geometry III: PR: Grade of C (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0) Calculus with Analytic Geometry III (Honors): PR: Grade of C (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, and permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. With Honors content. Spring.

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 2020 COS-MATH 3(3,0) Applied Combinatorics: PR: MAC 2122, and either MTH 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 2031 COS-MATH 3(3,0) Graph Theory: PR: MAC 2313 and MTH 3302, or C.I. Graph theory; isomorphism; connectivity; traversability, matchings, factorizations; planarity, colorings, and Ramsey theory. Spring.

MAD 2040 COS-MATH 3(3,0) Combinatorics and Graph Theory II: PR: MAD 2031, 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.

MAE 2801 ED-TL&L 4(3,1) Elementary School Mathematics: PR: MAC 1105C or MTH 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAE 4300 ED-CFCS 3(3,0) Math Curriculum and Assessment in Early Childhood: PR: EEC 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.

MAE 4326 ED-TL&L 3(3,0) How Children Learn Mathematics: PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning; evaluation of mathematical learning, and diagnostic techniques. Fall, Spring. M&S fee $10.00

MAE 4360 ED-TL&L 4(3,2) Mathematics Instructional Analysis: PR: EDG 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.


MAE 5327 ED-TL&L 3(3,0) Teaching Middle School Mathematics: PR: EDG 6206. The use of technology, cooperative learning, ESOL, and manipulatives is considered. Occasional.

MAE 5330 ED-TL&L 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 4323 or EDG 6236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5930 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 institutional issues. Spring.

MAN 2021 BA-MAN 3(3,0) Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the management functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(3,0) 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, MA 3025 or MA 3520. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 3529 BA-MAN 3(3,0) Compensation Administration: PR: Management major, MAN 3025. Employment training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.


MAN 4240 BA-MAN 3(3,0) Organizations: Theory and Behavior: PR: Management major, MAN 3025. A case analysis-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 application-oriented course to give students in the area experience 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 3025. 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: GEB 3031 and MAN 3025. Foundations of project management in assorted business organizations (large/small; manufacturing/service; for profit/not for profit). Covers all project phases from initiation to termination. Occasional.
MAN 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor, MAP 5303. 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 3031. Students assume a strategic view of organizations and integrate and apply material learned in a practical business course to modern organizational problems and opportunities. Fall, Spring.


MAN 4802 BA-MAN 3(3,0) Entrepreneurship: PR: GEB 3031 or (MAN 3025 and MAR 3023). Study of entrepreneurship with emphasis on innovation, planning, marketing, product and service concepts, and organizing and developing a new venture. Fall, Spring.

MAN 4804 BA-MAN 3(3,0) Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C.I. Students are assigned teams and work with a local small business. Occasional.

MAN 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(1,5) 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 5867 BA-MAN 3(3,0) Small Business Consulting: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. Occasional.

MAP 2302 COS-MATH 3(3,0) Differential Equations: PR: Grade of "C" (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 3923 COS-MATH 1(1,0) Frontiers in Mathematical Research: Colloquium and Research Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 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 fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. Fall.


MAP 4113 COS-MATH 3(3,0) Probability, Random Processes and Applications I: PR: MAC 2313. Elementary probability theory; modes of convergence; martingales, Gaussian, Wiener, and diffusion processes; Brownian motion; applications. Occasional.

MAP 4153 COS-MATH 3(3,0) Vector and Tensor Analysis: PR: MAC 2313 or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Applications in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0) Optimization for Actuarial Science: PR: MAC 2312 and STA 2303. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation. Occasional.


MAP 4364 COS-MATH 3(3,0) Applied Boundary Value Problems II: PR: MAP 4363 or C.I. Legendre polynomials and Bessel functions. The theory of Sturm-Liouville. Separation of variables. Applications involving the wave equation, heat equation and equation of Laplace. Spring.


MAP 5016 COS-MATH 3(3,0) Introduction to Quantitative Aspects of Modeling and Simulation: PR: MAC 2253, 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 stability and determination of models. Fall.


MAP 5396 COS-MATH 3(3,0) Splines and Data Fitting: PR: MAS 3106, MAS 3107, 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. Series and integral representations, generating functions, recurrence relations and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.

MAP 5435 COS-MATH 3(3,0) Advanced Mathematics for Engineers: PR: MAC 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 linear equations, and applications to engineering. Occasional.

MAP 5514 COS-MATH 3(0,3) Linear and Nonlinear Waves: PR: MAP 2302, MAP 4363, and graduate status or senior standing, or C.I. Equations of motion in inviscous and viscous 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 and four students attend 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 - Honors: PR: Permission 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-MAR 4(4,0) Supply Chain Management: PR: Admission to the College of Business. Planning and management of all activities involved in designing and managing the processes, assets, and 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, and flows of materials and information required to meet customer’s demands. With Honors content. Fall, Spring.

MAR 3391 BA-MAR 3(3,0) Professional Selling: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Planning and execution of selling, sales promotion, and public relations programs consistent with integrated marketing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0) Integrated Marketing Communications: PR: MAR 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

MAR 3391H BA-MAR  3(3,0)
Honors Professional Selling: PR: MAR 3023 and consent of Honors, or C.I. Applied written and verbal com-
munication skills learned within the context of professional
selling with honors content. Spring.

MAR 3403 BA-MAR  3(3,0)
Sales Force Management: PR: MAR 3023 with a
grade of C (2.0) or better and Common Program
Prerequisites and appropriate Major or Minor. Analysis
of the sales management process. Emphasis on sales pro-
gram formulation and implementation. Fall, Spring.

MAR 3503 BA-MAR  3(3,0)
Consumer Behavior: PR: MAR 3023 with a grade of
C (2.0) or better and Common Program Prerequisites and
appropriate Major or Minor. End user and business
customer buying behavior, building long-term customer
relationships, segmentation of markets and positioning
strategies. Fall, Spring.

MAR 3613 BA-MAR  3(3,0)
Marketing Analysis and Research: PR: MAR 3023
with a grade of C (2.0) or better and Common Program
Prerequisites and appropriate Major or Minor and one of
the following: STA 3023 with a grade of C (2.0) or better or
ECO 3083 with a grade of C (2.0) or better. Analysis tools
and their application to marketing problems and decision
making. Forecasting, financial analysis, and acquisition of
primordial data through market research are emphasized.
Fall, Spring.

MAR 3641 BA-MAR  3(3,0)
Marketing Intelligen;e: PR: MAR 3023 with a grade of
C (2.0) or better and Common Program Prerequisites
and appropriate Major or Minor. Contemporary sources
and applications of information concerning external forces
impacting market decision making. Fall, Spring.

MAR 3721 BA-MAR  3(3,0)
Technology Applications in Marketing: PR: MAR
3023 with a grade of C (2.0) or better and completion of
Common Program Prerequisites and appropriate Major or
Minor. Application of technology in marketing decision-
making. Occasional.

MAR 3765 BA-MAR  3(3,0)
Entrepreneurial Marketing: PR: MAR 3023 with a
grade of C(2.0) or better and common program prerequi-
sities and appropriate Major or Minor. Exploration of
how marketing and entrepreneurship affect and are affected
by one another. Fall, Spring.

MAR 4156 BA-MAR  3(3,0)
International Marketing: PR: MAR 3023 with a grade
of C (2.0) or better and Common Program Prerequisites
and appropriate Major or Minor. Investigations strategy, policy
and the variables in international marketing decisions. Fall, Spring.

MAR 4231 BA-MAR  3(3,0)
Retailing Management: PR: MAR 3023 with a grade
of C (2.0) or better and Common Program Prerequisites and
appropriate Major or Minor. Analysis of the field of retailing.
Emphasis on planning for profit through management,
inventory control, etc. Occasional.

MAR 4413C BA-MAR  3(2,3)
Strategic Issues in Sales-Lecture: PR: MAR 3023,
MAR 4156. Common program prerequisites, approved
major or minor, and department consent. Advanced study of
selected contemporary strategic issues in selling and sales
management. Spring.

MAR 4415C BA-MAR  3(3,0)
Advanced Professional Selling: PR: MAR 3023 and
common program prerequisites and appropriate
Major or Minor and MAR 3391 and Department Consent.
Advanced study of the professional selling process, includ-
ing team selling, negotiation, customer conflict manage-
ment, and CRM systems. Fall.

MAR 4711 BA-MAR  3(3,0)
Sport Marketing: PR: MAR 3023 with a grade of C
(2.0) or better and Common Program Prerequisites and
appropriate Major or Minor. Study of marketing as it applies
to the sports and leisure industry. Occasional.

MAR 4712 BA-MAR  3(3,0)
Healthcare Marketing: PR: MAR 3023 with a grade of
C (2.0) or better and Common Program Prerequisites and
appropriate Major or Minor. Study of marketing as it applies
to healthcare manufacturers, intermediaries and providers.
Occasional.

MAR 4715 BA-MAR  3(3,0)
Entertainment Marketing: PR: MAR 3023 with a grade
of C (2.0) or better and Common Program Prerequisites and
appropriate Major or Minor. Application of
marketing theory and tools to the marketing of products
and services in the entertainment industry. Occasional.

MAR 4803 BA-MAR  3(3,0)
Marketing Management: PR: MAR 3023 with a grade
of C (2.0) or better and Common Program Prerequisites and
Marketing Major or Minor and MAR 3613 with a grade of
C (2.0) or better. Planning, organizing, controlling and
monitoring marketing programs to effectively compete
in dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR  3(3,0)
Marketing Strategy: PR: MAR 3023 with a grade of
C (2.0) or better and Common Program Prerequisites and
Marketing Major or Minor. Examination of marketing
in services industries, with particular emphasis on unique
aspects of services marketing, the service marketing mix,
and the implementation of services strategies. Fall, Spring.

MAR 4841 BA-MAR  3(3,0)
Services Marketing: PR: MAR 3023 with a grade of
C (2.0) or better and Common Program Prerequisites and
appropriate Major or Minor. Examination of marketing
in services industries, with particular emphasis on unique
aspects of services marketing. Topics may vary from term to
term. May be repeated for credit only when course content is different. Occasional.

MAR 4941 BA-MAR  3(3,0)
Marketing Internship: PR: Marketing major, applica-
tion approval, consent of department. Provides stu-
dents with supervised field experience in a sponsoring organization. Application required. Fall, Spring.

MAS 3105 COS-MATH  3(3,0)
Introduction to Number Theory: PR: MAS 3106 or C.I.
Congruences, linear equations, applications. (Only offered spring semester).

MAS 3106 COS-MATH  3(3,0)
Abstract Algebra I: PR: MAS 3302 and MAS 3105, or C.I.
Sylow theorems, group actions. (Offered every other year).

MAS 3107 COS-MATH  3(3,0)
Abstract Algebra II: PR: MAS 4301 or C.I. Advanced
topics in abstract algebra, including ring theory and field
theory; introduction to Galois theory. Spring.

MAS 3401 COS-MATH  3(3,0)
Abstract Algebra I: PR: MAS 3302 and MAS 3105, or C.I.
Sets and mappings, groups, subgroups, permutation
groups, homomorphisms and isomorphisms, the isomor-
phism theorems, groups actions, the class equation, Sylow
theorems, and rings. Fall.

MAS 3402 COS-MATH  3(3,0)
Abstract Algebra II: PR: MAS 4301 or C.I. Advanced
topics in abstract algebra, including ring theory and field
theory; introduction to Galois theory. Spring.

MAS 4304 COM-M&M  3(3,0)
Bacterial Genetics and Physiology: PR: PCB 3522. Basic principles of microbial genetic analysis and
emphasizing how; microbial genetic approaches are used to understand fundamental; physiological processes in
bacteria. Spring.


MCB 4203 COM-M&M 3(3,0) Infectious Processes: PR: MCB 3020C. The infectious process and the response of host cells and tissue to infection. Fall.

MCB 4204 COM-M&M 3(3,0) Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to micro- biological pathogenesis. Spring.

MCB 4276 COM-M&M 3(3,0) Epidemiology of Infectious Diseases: PR: MCB 3020C. An in-depth discussion of the fundamental aspects and current concerns in modern virology including HIV, tumor diseases, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

MCB 4312 COM-M&M 3(3,0) Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, genetic therapy, and forensics; transgenic animals; patents and regulations. Fall.


MCB 4603 COM-M&M 3(3,0) Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.


MCB 4920C COM-M&M 3(1,4) Group-Effort Applied Research: PR: MCB 3020C and BSC 3403C. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on highly-parallel technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

MCB 5205 COM-M&M 3(3,0) Infectious Processes: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MCB 5208 COM-M&M 3(3,0) Cellular Microbiology: Host-Pathogen Interactions: PR: Graduate standing, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.
UCF Courses and Descriptions

MLS 4630L COM-M&M 1(0.3)

MLS 4830C COM-M&M 4(4.8)
Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4625, MLS 4650. Clinical instruction and practice in the clinical laboratory. Comprehensive review, hands on practice both in the student lab and affiliate. Fall, M&S fee $15.00.

MLS 4831C COM-M&M 4(4.8)
Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4650C. Advanced study of principles of immunohematology. Application and performance of techniques to solve problems in blood banking will be included. Fall, M&S fee $15.00.

MLS 4832C COM-M&M 4(4.8)
Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 3305, MLS 4334. Advanced study of hematology and pathophysiological 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 4630C. Practical application of modern bacteriological 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. Case studies. An examination review & practice of technologies impacting the clinical laboratory to include flow cytometry, PCR, LIS, robotics. Case studies will be a fundamental part of this course. Occasional.

MLS 4910 COM-M&M 1(1.0)
Introduction to Clinical Research: PR: MLS 3220C, MLS 4625, MLS 4550. Introduces MLS students to different types of research within the clinical setting. Spring.

MLS 4933C COM-M&M 2(2.0)

MMC 2423 COS-MATH 3(3.0)
New Media Technologies: PR: Majors only. RVT 3200. An examination of the technologies impacting the communications media environment and society. Occasional.

MMC 4111 COS-MATH 3(3.0)
Advanced Organizational Design: PR: As PR majors only and ADV 3008, PUR 4000, PUR 3101 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: RTVF 3007 or C.I. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media's relationship with government. Even Spring.

MUC 1100C CAH-MUSIC 2(1.1)
Composition I: PR: Open to qualified majors and non-music majors with C.I. Creative work in small forms. May be repeated for credit. Fall, Spring.

MUC 2104C CAH-MUSIC 2(1.1)
Composition II: PR: MUC 1101C and Music or composition major. Continuation of Composition I. Completion 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. Culminating public concert of works written while studying Composition I-V. Graded S/U. Odd Fall.

MUC 5112 CAH-MUSIC 2(1.0)
Composition V: PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. Occasional.

MUC 5445 CAH-MUSIC 3(3.0)
Electroacoustic Music Composition: PR: MUS 2360C or MUC 1101C, or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. Occasional.

MUC 2102C CAH-MUSIC 2(1.1)
Leadership and Teamwork: Focuses on self-developed guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. Spring.

MUC 3202C COS-ARC 4(3.1)
Leadership and Ethics: PR: MSL 3202C. Leadership responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MUC 4301C EOS-ARC 4(3.1)
Leadership and Management: PR: MSL 3202C. Discuss staff organization, functions, and processes; analyze counseling responsibilities and methods; apply leadership and problem solving principles to a complex case study/simulation. Fall.

MUC 5454 CAH-MUSIC 5(5.0)
Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.

MUC 4400 CAH-MUSIC 1(0.2)
String Techniques: PR: MUED major, junior standing or C.I. Class instruction in string playing and pedagogical techniques. Spring. M&S fee $30.00.

MUC 2346 CAH-MUSIC 2(2.0)

MUC 2440 CAH-MUSIC 1(0.2)
Woodwind Techniques I: PR: MUC 2102C. Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.

MUC 2540 CAH-MUSIC 1(0.2)
Woodwind Techniques II: PR: MUC 2102C. Junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUC 2470 CAH-MUSIC 1(0.2)
Percussion Techniques: PR: MUC 2102C. Junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&S fee $35.00.

MUC 2471 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 3210 ED-TL-LS 1(1.1)
Music in the Elementary School: PR: EDF 2005; CR: ARE 4313, HLF 4722, RED 4519, MCE 4326, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.
MUE 3333 CAH-MUSIC 3(3,0)

MUE 3353 CAH-MUSIC 2(2,0)

MUE 3451 CAH-MUSIC 3(3,0)
Woodwind Techniques II: PR: MUE 2450, MUSE major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC 1(1,1)
Brass Techniques II: PR: MUE 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.

MUE 3490 CAH-MUSIC 1(1,0)

MUE 3690 CAH-MUSIC 2(2,0)
Technology in Music Education: PR: MUE 2404 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring. M&S fee $2.00.

MUE 3942 CAH-MUSIC 3(3,0)
Music Internship I: PR: MUE 4311, MUE 3333, EDG 4410, TGL 4080, EDG 4653 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. Fall, Spring.

MUE 4311 CAH-MUSIC 2(2,0)
Elementary School Music Methods: PR: Junior standing, MUED major. Organization and administration of instruction for comprehensive music education, K-6, instructional planning, techniques, and materials for elementary music education. Fall.

MUE 4330 ED-TLTL 2(2,0)
Secondary School Music Methods: PR: MUE 4311 or C.I. Instructional planning, techniques and materials in middle school, junior high and senior high classrooms; consideration of general music education program, evaluation materials and procedures. Spring.

MUE 4331 CAH-MUSIC 3(3,0)
Secondary Choral Methods I: PR: MUE 2404 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4332 CAH-MUSIC 3(3,0)
Secondary Instrumental Methods I: PR: MUE 2404. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. Odd Spring.

MUE 4335 CAH-MUSIC 3(3,0)
Secondary Choral Methods II: PR: MUE 4331. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4337 CAH-MUSIC 3(3,0)

MUE 4350 ED-TLTL 2-3(2-3,0)

MUE 4354 ED-TLTL 3(3,0)

MUE 4393 CAH-MUSIC 2(2,0)
Music and Students with Special Needs: PR: MUE 2040 or C.I. Examination of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.

MUE 4394 CAH-MUSIC 1(1,0)

MUE 4441 CAH-MUSIC 3(3,0)

MUE 4943 CAH-MUSIC 12(12,0)

MUE 5348C CAH-MUSIC 4(4,0)

MUE 5921 CAH-MUSIC 2(2,0)
Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1)
Basic Conducting: PR: MUN 1122 or C.I. Fundamental techniques and practice in conducting. Fall.


MUG 3302 CAH-MUSIC Variable Instrumental Conducting and Materials: PR: MUG 3014. Fundamental principles of instrumental conducting and rehearsal techniques including an examination of materials. Fall.

MUG 4103C CAH-MUSIC Advanced Conducting: PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. Occasional.

MUH 2017 CAH-MUSIC 3(3,0)

MUH 2017H CAH-MUSIC 3(3,0)
Honors Survey of Rock Music: PR: Consent of Honors. Rock music, 1950s to present, with emphasis on historical and musical meaning. With Honors content. Even Fall.

MUH 2019 CAH-MUSIC 3(3,0)
American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. Fall, Spring.

MUH 2071C CAH-MUSIC 1(0,1)
World Music Survey and Performance Laboratory: PR: MUL 1122 or C.I. An introduction to different musical cultures including Western, Caribbean, South American, and Asian. Occasional.

MUH 2072 CAH-MUSIC 1(1,0)
MUSIC History and Literature I: PR: MUL 2014 and MUL 1122. History of Western European art music from the Baroque period to 1750. Fall, Spring.

MUH 2073 CAH-MUSIC 3(3,0)
Music History and Literature II: PR: MUL 2014 and MUL 1122. History of Western European and American art music from 1750 to present day. Fall, Spring.

MUH 4218 CAH-MUSIC 1(1,0)

MUH 4322 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: MUL 3211 and MUL 3212. Music and culture of Western Europe in the era c. 450-1600. Even Fall.

MUH 4341 CAH-MUSIC 3(3,0)

MUH 4351 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: MUL 3211 and MUL 3212 or C.I. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.

MUH 4361 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: MUL 3211 and MUL 3212 with grades of "C," 2.0, or higher in each. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC 3(3,0)
Music Since 1900: PR: MUL 3211, MUL 3212, or C.I. Western art music since 1900. Odd Spring.

MUH 4814 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: MUL 3171 and MUL 2016, or C.I. Historical style periods and master artists in jazz music. Odd Spring.

MUH 5326 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUH 5345 CAH-MUSIC 3(3,0)
Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUH 5356 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Occasional.

MUH 5365 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. Odd Fall.

MUH 5375 CAH-MUSIC 3(3,0)
Music Since 1900: PR: Graduate standing in Music Education or C.I. Music and culture of Western and American art music from c. 1900 to the present. Occasional.

MUH 5665 CAH-MUSIC 3(3,0)
Music of the Baroque: PR: Graduate standing in Music or C.I. An in-depth examination of Western European opera, from its origins around 1600 until the present day. Even Spring.

MUH 5816 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC 3(2,1)
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.
MUL 2720 CAH-MUSIC 3(3,0)

MUL 2980 CAH-MUSIC 4(3,1)
Introduction to the Arts: The context of the arts in society. Fall, Odd Spring.

MUL 3100 CAH-MUSIC 3(3,0)
Survey of Art History: An overview of art history. Fall, Odd Spring.

MUL 3180 CAH-MUSIC 3(3,0)
Preparation for Performance: Performance practice and preparation. Fall, Spring.

MUL 3220 CAH-MUSIC 3(3,0)

MUL 3400 CAH-MUSIC 2(1,1)
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 CAH-MUSIC 2(1,1)

MUL 3463 CAH-MUSIC 2(2,0)

MUL 3602 CAH-MUSIC 3(3,0)
Song Literature: PR: MUL 3100 or C.I. Classical song repertoire in English and common foreign languages, and proven methods of effective song study. Fall, Odd Fall.

MUL 4437 CAH-MUSIC 3(3,0)

MUL 4438 CAH-MUSIC 3(3,0)
Guitar Literature and Pedagogy: PR: MUS 2426 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.

MUL 4443 CAH-MUSIC 3(3,0)

MUL 4444 CAH-MUSIC 3(3,0)

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 CAH-MUSIC 3(3,0)
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 5447 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 5448 CAH-MUSIC 3(3,0)
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.
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

MUS 2360C CAH-MUSIC 3(2,2) Fundamentals of Music I: PR: MUT 2126 or C.I. Principles of counterpoint and the study of contrapuntal textures. Some emphasis on compositional techniques of the 20th century. Even Fall.

MUS 3170 CAH-MUSIC 3(3,0) Jazz Theory I: PR: MUT 1122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3171 CAH-MUSIC 3(3,0) Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 3622 CAH-MUSIC 3(3,0) Analytical Approaches to Musical Rhythm: PR: MUT 2127 or equivalent. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm in dance, performance, and non-Western music. Occasional.

MUT 3923 CAH-MUSIC 3(0,3) Jazz Workshop: PR: MUT 3171 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. Odd Spring.

MUT 4031 CAH-MUSIC 1(1,0) Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

MUT 4311 CAH-MUSIC 3(0,3) Orchestration: PR: MUS 2360C and MUT 2127. Technical and aesthetic principles of writing for instruments of the concert orchestra. Odd Spring.

MUT 4401 CAH-MUSIC 3(3,0) Counterpoint: PR: MUT 2127. Counterpoint in Western music from the 16th to the 20th Centuries. Even Spring.

MUT 4571 CAH-MUSIC 3(3,0) Analysis of Twentieth-Century Music: PR: MUT 2127 or equivalent. Technical analysis for various styles of twentieth-century music. Odd Fall.

MUT 5316 CAH-MUSIC 3(0,3) Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. Odd Spring.

MUT 5381 CAH-MUSIC 3(3,0) Arranging and Composing Music: PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Even Fall.

MUT 5445 CAH-MUSIC 3(3,0) Counterpoint: PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day. Even Spring.

MUT 5620 CAH-MUSIC 3(3,0) Analysis of Twentieth-Century Music: PR: Graduate standing in Music or C.I. Analysis of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. Fall.

MUT 5936 CAH-MUSIC 3(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)

MVB 1214 CAH-MUSIC 1(0,1)

MVB 1215 CAH-MUSIC 1(0,1)
Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1411 CAH-MUSIC 2(1,1)
Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC 2(1,1)
French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC 2(1,1)
Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC 2(1,1)
Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1)
Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1)
French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1)
Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC 2(1,1)
Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1)
Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC 2-3(1,1)
Trumpet III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3432 CAH-MUSIC 2-3(1,1)
French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3433 CAH-MUSIC 2-3(1,1)
Trombone III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3434 CAH-MUSIC 2-3(1,1)
Euphonium III: PR: MVB 2424 and competence determined by faculty jury. Continued study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3435 CAH-MUSIC 2-3(1,1)
Tuba III: PR: MVB 2425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4441 CAH-MUSIC 4(1,1)
Trumpet IV: PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4442 CAH-MUSIC 4(1,1)
French Horn IV: PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4443 CAH-MUSIC 4(1,1)
Trombone IV: PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4444 CAH-MUSIC 4(1,1)
Euphonium IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4445 CAH-MUSIC 4(1,1)
Tuba IV: PR: MVB 3435 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 5451 CAH-MUSIC 2(0,1)
Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5452 CAH-MUSIC 2(0,1)
French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5453 CAH-MUSIC 2(0,1)
Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5454 CAH-MUSIC 2(0,1)
Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5455 CAH-MUSIC 2(0,1)
Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVJ 1010 CAH-MUSIC 2(1,1)
Jazz Piano I: PR: MVJ 1010. Continuation of MVJ 1010. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2220 CAH-MUSIC 2(1,1)
Jazz Piano II: PR: MVJ 1010. Continuation of MVJ 1010. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3230 CAH-MUSIC 3(1,1)
Jazz Piano III: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.
MVS 3431 CAH-MUSIC 2-3(1,1)
Piano I: PR: MVK 3431 or C.I. Methods, teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of procedures. May be used in the degree program a maximum of 3 times. Spring, Fall.

MVS 4441 CAH-MUSIC 4(1,1)
Piano IV: PR: MVK 4441 and competence determined by faculty jury. Intensive advanced performance study of the piano, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4630 CAH-MUSIC 2-3(1,1)
Piano I: PR: MVK 4330 and competence determined by faculty jury. Continued study of performance skills of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 5451 CAH-MUSIC 2(1,1)
Piano V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVJ 5350C CAH-MUSIC 2(1,1)
Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring. M&S fee $35.00

MVK 1111 CAH-MUSIC 1(0,2)
Class Piano I: Class instruction for beginning piano students. Open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1112 CAH-MUSIC 1(0,2)
Class Piano II: PR: MVK 1111, Music major, or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1211 CAH-MUSIC 1(0,1)

MVK 1411 CAH-MUSIC 2(1,1)
Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 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(2,0)
Keyboard Class II: PR: MVK 1800. Continuation of Keyboard class I. Occasional.

MVK 2121 CAH-MUSIC 1(0,2)
Class Piano III: PR: MVK 1112, Music major or C.I. Continuation of MVK 1112. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2122 CAH-MUSIC 1(0,2)
Class Piano IV: PR: Music major, MVK 2121 or C.I. Continuation of MVK 2121. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVS 1211 CAH-MUSIC 1(0,1)

MVS 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

MVS 2421 CAH-MUSIC 2(1,1)
Percussion II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVS 3431 CAH-MUSIC 2-3(1,1)
Percussion III: PR: MVK 3431 and competence determined by faculty jury. Continued study of performance skills of percussion, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $35.00

MVS 3630 CAH-MUSIC 2(0,2)
Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. Fall, Spring.

MVS 4441 CAH-MUSIC 4(1,1)
Percussion IV: PR: MVK 4441 and competence determined by faculty jury. Intensive advanced performance study of percussion for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $35.00

MVS 5451 CAH-MUSIC 2(1,0)
Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVS 1212 CAH-MUSIC 1(0,1)

MVS 1213 CAH-MUSIC 1(0,1)

MVS 1214 CAH-MUSIC 1(0,1)

MVS 1216 CAH-MUSIC 1(0,1)

MVS 1411 CAH-MUSIC 2(1,1)
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC 2(1,1)
Violin II: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1)
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1)
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC 2(1,1)
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC 2(1,1)
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1)
Violin II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1)
Violin III: PR: MVK 1412 and competence determined by faculty jury. Continuation of MVK 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1)
Cello II: PR: MVK 1413 and competence determined by faculty jury. Continuation of MVK 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1)
Bass II: PR: MVK 1414 and competence determined by faculty jury. Continuation of MVK 1414. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC 2(1,1)
Harp II: PR: MVK 1415 and competence determined by faculty jury. Continuation of MVK 1415. May be repeated for credit. Fall, Spring.

MVS 2426 CAH-MUSIC 2(1,1)
Guitar II: PR: MVK 1416 and competence determined by faculty jury. Continuation of MVK 1416. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2-3(1,1)
Secondary Cello: PR: MVK 3432 and competence determined by faculty jury. Continuation of MVK 3432. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3432 CAH-MUSIC 2-3(1,1)
Secondary Bass: PR: MVK 3433 and competence determined by faculty jury. Continuation of MVK 3433. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC 2-3(1,1)
Secondary Violin: PR: MVK 3434 and competence determined by faculty jury. Continuation of MVK 3434. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC 2-3(1,1)
Secondary Trumpet: PR: MVK 3435 and competence determined by faculty jury. Continuation of MVK 3435. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC 2-3(1,1)
Secondary Trombone: PR: MVK 3436 and competence determined by faculty jury. Continuation of MVK 3436. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3436 CAH-MUSIC 2-3(1,1)
Secondary French Horn: PR: MVK 3437 and competence determined by faculty jury. Continuation of MVK 3437. May be used in the degree program a maximum of 3 times. Fall, Spring.
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MVS 4346 CAH-MUSIC 4(1,1)
Guitar IV: PR: MVS 3436 and competence determined by faculty jury. Intensive advanced performance study of the guitar, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4441 CAH-MUSIC 4(1,1)
Voice IV: PR: MVS 4341 and competence determined by faculty jury. Intensive advanced study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4440 CAH-MUSIC 2(2,0)
Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVS 4411 CAH-MUSIC 1(1,0)

MVS 5451 CAH-MUSIC 2(1,0)
Voice V: PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 5651 CAH-MUSIC 2(3,0)
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. Odd Spring.

Fall, Spring.

MVS 1211 CAH-MUSIC 1(0,1)

MVS 1212 CAH-MUSIC 1(0,1)

MVS 1213 CAH-MUSIC 1(0,1)

MVS 1214 CAH-MUSIC 1(0,1)

MVS 1215 CAH-MUSIC 1(0,1)

MVS 1411 CAH-MUSIC 2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC 2(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVS 1415 CAH-MUSIC 2(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1)
Flute II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1)
Oboe II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1)
Clarinet II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1)
Bassoon II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVS 2425 CAH-MUSIC 2(1,1)
 Saxophone II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2(3,1)
Flute III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3432 CAH-MUSIC 2(3,1)
Oboe III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC 2(3,1)
Clarinet III: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC 2(3,1)
Bassoon III: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC 2(3,1)
 Saxophone III: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4441 CAH-MUSIC 4(1,1)
Flute IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4442 CAH-MUSIC 4(1,1)
Oboe IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4443 CAH-MUSIC 4(1,1)
Clarinet IV: PR: MVS 3433 and competence determined by faculty jury. Intensive performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC 4(1,1)
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. Fall, Spring.

MVS 4445 CAH-MUSIC 4(1,1)
 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. Fall, Spring.

MVS 5451 CAH-MUSIC 2(1,0)
Violin V: PR: MVS 3436 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 5452 CAH-MUSIC 2(1,0)
Cello V: PR: MVS 3437 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 5453 CAH-MUSIC 2(1,0)
Violin III: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 5454 CAH-MUSIC 2(1,0)
Viola V: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 5455 CAH-MUSIC 2(1,0)
Harp V: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC 2(1,0)
Guitar V: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1111 CAH-MUSIC 1(0,1)
Class Voice: Class instruction in beginning voice. May be repeated for credit. Fall, Spring.

MVS 1411 CAH-MUSIC 2(1,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1873 CAH-MUSIC 1(0,1)

MVS 2421 CAH-MUSIC 1(1,1)
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. Fall, Spring.

MVS 3431 CAH-MUSIC 2(3,1)
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. Fall, Spring.
Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5003. Admission to the M.S. in Nursing or Doctor of Nursing Practice program. CR: Concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. Application of the diagnostic reasoning process through differential diagnosis. May be used in the degree program a maximum of 2 times. Fall, Spring.

Legal and Professional Behavior in Advanced Practice Nursing: PR: Graduate standing and admission to the M.S. in Nursing or C.I. Examine legal, ethical, and professional issues related to advanced practice nursing. Fall, Spring.

Legal and Professional Behavior in Advanced Practice Nursing: PR: Graduate standing and admission to the M.S. in Nursing or C.I. Examine legal, ethical, and professional issues related to advanced practice nursing. May be used in the degree program a maximum of 2 times. Fall, Spring.

Legal and Professional Behavior in Advanced Practice Nursing: PR: Graduate standing and admission to the M.S. in Nursing or C.I. Examine legal, ethical, and professional issues related to advanced practice nursing. May be used in the degree program a maximum of 2 times. Fall, Spring.

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.

Legal and Professional Behavior in Advanced Practice Nursing: PR: Graduate standing and admission to the M.S. in Nursing or C.I. Examine legal, ethical, and professional issues related to advanced practice nursing. Fall, Spring.

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Legal and Professional Behavior in Advanced Practice Nursing: PR: Graduate standing and admission to the M.S. in Nursing or C.I. Examine legal, ethical, and professional issues related to advanced practice nursing. May be used in the degree program a maximum of 2 times. Fall, Spring.
NUR 4942L CON-NURS 3(0,3) Nursing Practicum for International Students: PR: C.I. Clinical practice includes preclinical and clinical 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 204C or 2023. For Basic program successful completion of the first three semesters; for RN to BSN students: NUR 3805 and RN status or C.I. Designed to enhance student’s knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4971H CON-NURS 1-3(1-3) Thesis or Project Works-Honors: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. Occasional.


OCE 3490 OPT-OPT 3(3,0) Nanophotonics: PR: PHY 2040C or C.I. Optical/photonic devices and systems. Properties, principles and applications. Occasional.

OCE 4052 OPT-OPT 3(3,0) Introduction to Photonics: PR: EEL 3470. Properties of light as waves, fields, and photons. Introduction to optical devices, fibers, and lasers. Applications in imaging, signal processing, sensing, communications, and displays. Fall.

OCE 4470 OPT-OPT 3(3,0) Optical Fiber Communication Systems: PR: EEE 3350 and OSE 4052. Introduction to the principles and design of optical fiber communication systems including the optoelectronic devices used in transmitters and receivers. Spring.

OCE 4830 OPT-OPT 3(3,0) Introduction to Imaging Systems: PR: EEL 3120C 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.

OCE 5041 OPT-OPT 3(3,0) Introduction to Wave Optics: PR: EEL 4440 or PHY 4440 or C.I. Electromagnetic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.


OCE 5312 OPT-OPT 3(3,0) Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials; classical and quantum mechanical description of optical properties. Fall, Spring.

OCE 5313 OPT-OPT 3(3,0) Materials for Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.


OCE 5630C OPT-OPT 3(2,1) Thin Film Optics: PR: PHY 4420 or EEL 4440 or OSE 5041 or OSE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Fall.


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 Humancan Human Service Workshop: PR: Enrollment in American Humanics Minor or National Certificate Program through American Humancan Humanics Program office. Discussion and activity based course exploring professional services to prepare students for management and leadership positions in human services. Student Association activities included. May be repeated for credit. Fall, Spring.

PAD 4034 HPA-PUB 3(3,0) The Administration of Public Policy: PR: ECO 2023. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administran-

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 boards 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 resources 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.
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 technology important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 HPA-PUB 3(3,0) Survey Research in Public Administration: Introduction to the concepts, design, methodology, computer applications, and data analysis in applied research in the public sector. Fall, Spring.

PAD 4803 HPA-PUB 3(3,0) Issues in Urban Administration: CR: PAD 3330 or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4941 HPA-PUB 3-6(0,6) Public Administration Internship: PR: C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budgeting, and fiscal, procurement, and public safety. 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 non-profit human services organization. May be repeated for credit. Fall, Spring.

PAD 5041 HPA-PUB 3(3,0) Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past events, and international and social aspects of ethical behaviors are explored. Occasional.

PAD 5046 HPA-PUB 3(3,0) Nonprofit Resource Development: 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 5145 HPA-PUB 3(3,0) Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree, Nonprofit certificate or C.I. Volunteer development in nonprofit organizations, including board selection, development and leadership, volunteer recruitment, training, retention and theories of motivation, leadership, ethical issues. Fall, Spring.

PAD 5336 HPA-PUB 3(3,0) Introduction to Urban Planning: Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning. Fall.

PAD 5337 HPA-PUB 3(3,0) Urban Design: Planning techniques such as planned unit developments, capital improvements planning, and growth management, and planning methods, including needs assessment and graphic design. Fall.

PAD 5338 HPA-PUB 3(3,0) Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Spring.

PAD 5356 HPA-PUB 3(3,0) Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5425 HPA-PUB 3(3,0) Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427 HPA-PUB 3(3,0) Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. Occasional.

PAD 5807 HPA-PUB 3(3,0) Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer. Occasional.

PAD 5850 HPA-PUB 3(3,0) Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree. Nonprofit certificate or C.I. Study of government or public nonprofit agency grant and contract administration and management, including 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 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 Aquatic Animal 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: HSC 2010C, HSC 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) Principles of Ecology: PR: HSC 2010C, HSC 2210C, and CHM 2045C, or C.I. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development. Fall.

PCB 3044L COS-BIOL 3(0,3) Principles of Ecology Laboratory: PR: CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall. M&S fee $15.00

PCB 3063 COS-BIOL 3(3,0) Genetics: PR: HSC 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) Genetics Honors: PR: HSC 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, Spring. M&S fee $28.00

PCB 3223 COM-M&M 3(3,0) Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell-mediated immunity, tumor immunity, and immune therapy. Fall.

PCB 3233L COM-M&M 1(0,3) Immunology Laboratory: CR: PCB 3223. Introduction to laboratory techniques in immunology. Fall, Spring. M&S fee $45.00


PCB 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 3522 COM-M&M 3(3,0) Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Fall, Spring.

PCB 3703C COM-M&M 4(3,3) Human Physiology: PR: BSC 2010C, CHM 1022 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M&S fee $70.00


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.

Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional. M&S fee $5.00


Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring. M&S fee $6.00


Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional. M&S fee $6.00

Body Development: An in-depth study of individual physical (musculo-skeletal, neuromotoric, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

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.

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

Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional. M&S fee $3.00

Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring. M&S fee $5.00

Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional. M&S fee $3.00

Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, and cool-down. Occasional.

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.

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.

Cardio Kickboxing: Proper technique and fundamentals of cardio kickboxing. Occasional. M&S fee $6.00

Boot Camp Fitness: Study and application of aerobic and anaerobic physical fitness activities to improve core strength, posture, breath control, body alignment and flexibility. Occasional.

Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

Tae Kwon Do: An analysis and application of the martial arts, as an overall physical and mental training system. Occasional.

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.

Elementary Swimming: For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. Occasional.

Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring. M&S fee $5.00

Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring. M&S fee $9.00

Officiating Basketball: Skills, knowledge, and practical experiences with the role of official in basketball. Occasional. M&S fee $6.00

Coaching Baseball and Softball: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. Fall.

Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

Coaching Soccer: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Occasional.


Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science program. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity and human performance. Fall, Spring.

Health and Wellness: PR: Admission into the Sport and Exercise Science program. Explore wellness through scientific and practical analysis programs. Fall, Spring.

Intermediate Bowling: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Intermediate Tennis: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Intensive Bowling: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Basic Tennis: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Confinement: PR: Admission to Physical Education program/minors or C.I. Theory and methods of confinement in jail, prison, and institutional settings; certified teacher. A hands-on course dealing with confectioning designs and the Thus.

Intermediate Bowling: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Beginning Tennis: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Advanced Golf: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Advanced Volleyball: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Advanced Bowling: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Advanced Bowling: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Advanced Tennis: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Advanced Tennis: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

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Advanced Tennis: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Advanced Tennis: PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.
PET 3940 ED-CFCS 3(3.0) Internship I Physical Education: PR: EDG 4323; CR: PET 3930. Supervised teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

PET 4002 ED-CFCS 3(1,2) Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will 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) Physical Activity & Preventive Medicine: PR: ZOO 3736C Critical Analysis, and an analysis of evidence that exercise training can prevent some diseases and increase quality of life. Occasional.

PET 4215 ED-CFCS 3(3.0) Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. Fall, Spring.

PET 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 4351C ED-CFCS 3(2,1) Exercise Physiology: PR: PET 2084, BSC 2010c, and either PGY 3410C or ZOO 3736C; 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 4550C ED-CFCS 3(2,1) Assessment and Evaluation in Exercise Science: PR: PET 4351C. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Fall, Spring.

PET 4552 ED-CFCS 3(3.0) Exercise Prescription for Special Populations: PR: BSC 2010c and PET 4351C. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercise for populations dealing with aging, osteoporosis, diabetes, obesity, heart disease, and pregnancy. Fall, Spring.

PET 4600 HPA-HP 3(3.0) Applied Fitness in Sport: PR: ZOO 3736C or ZOO 3736C and PCB 3703C. Junior standing. Open to all COHPA majors. Appreciation and clinical application of fitness regarding athletics. Spring.

PET 4640 ED-CFCS 3(3.0) Adapted Physical Education: Principles and methods of adapted physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

PET 4710 ED-CFCS 3(3.0) Methods for Physical Activity for Children and Adolescents: PR: Admission to the College of Education and/or a physical fitness program, or C.I. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. Fall, Spring.

PET 4724 ED-CFCS 3(3.0) Development and History of Physical Education Curriculum: A study of the factors involved in curriculum development and historical and philosophical considerations of physical education programs. Occasional.

PET 4763 ED-CFCS 3(3.0) Coaching Methods And Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually 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 13 of the Sport and Fitness program requirements. Field experience in a sport and fitness related occupation. Graded S/U. Fall, Spring.

PET 4926 ED-CFCS 9(0,9) Sport and Exercise Science Practicum: PR: Overall GPA of 2.5. Senior standing in Sport and Exercise Science program and C.I. Field experience in a sport and exercise science organization, association, or business. Graded S/U. Fall, Spring.

PET 4943 ED-CFCS 12(0,35) Internship II: PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified 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 or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental rehearsal, motivation, effort, persistence, adherence and compliance, measurement and evaluation, and other related topics of interest. Occasional.

PET 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. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. Occasional.

PET 5495 ED-CFCS 3(3.0) Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching and sport leadership in self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. Occasional.


PET 5931 ED-CFCS 3(3.0) Current Issues and Trends in Physical Activity and Sport: PR: Admission to the Physical Education graduate program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. Occasional.
PGY 4003 CAH-SVAD 3(3,0)  
Image, Culture, and Society: PR: PGY 3002 or C.I., a survey of the media and media imagery in culture and society. Occasional.

PGY 4228C CAH-SVAD 3(2,4)  
Advanced Illustrative Photography: PR: PGY 3205 or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&S fee $45.00

PGY 4235C CAH-SVAD 3(2,4)  
Professional Photographic Workshop: PR: PGY 3205C. Creative, logical, and technical processes as related to a variety of special lighting problems in the photographic studio and on location. Occasional. M&S fee $45.00

PGY 4420C CAH-SVAD 3(2,3)  
Advancing Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 2311C, PGY 2410C, and a satisfactory portfolio review or C.I.; Or, admission to the Photography program. Designed for advanced art majors. May be repeated for credit. Fall, Spring. M&S fee $45.00

PGY 4440C CAH-SVAD 3(2,3)  
Special Problems in Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 2311C, PGY 2410C, and a satisfactory portfolio review or C.I.; Or, admission to the Photography program. Designed for upper division art majors with photography concentration. A series of directed photographic problems of a research nature. Occasional. M&S fee $20.00

PGY 4471 CAH-SVAD 3(3,0)  
Photography Thesis: PR: PGY 3276 The Professional Environment becomes a co-requisite. Course has been shifted from the senior fall semester to the senior spring semester. A senior portfolio review or C.I. is required for this course. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional. M&S fee $45.00

PGY 4472C CAH-SVAD 3(2,1)  
Photo Visualization: PR: PGY 2655, PGY 2216 or C.I. Analysis of visual problems with an emphasis on communicating and applying a theoretical language to photographic imagery. Occasional. M&S fee $45.00

PGY 4493C CAH-SVAD 3(2,4)  
Photography and Art: PR: PGY 4472C, or PGY 3002, or C.I. Creation of photographs related to the expression of personal, political, aesthetic, and theoretical issues and ideas found in historical and contemporary imagery. Occasional. M&S fee $45.00

PGY 5108C CAH-SVAD 3(2,4)  
Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3410C and PGY 4440C, or admission into MPA graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times. Occasional. M&S fee $45.00

PHI 3041 CAH-PHIL 3(3,0)  
Russian Philosophy: PR: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of culture, religion, society, and politics. Occasional.

PHI 3100 CAH-PHIL 3(3,0)  
Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including pre-Socratics, Socrates, Plato, Aristotle. Occasional.

PHI 3200 CAH-PHIL 3(3,0)  
Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. Occasional.

PHI 3460 CAH-PHIL 3(3,0)  
Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.

PHI 3510 CAH-PHIL 3(3,0)  
Marx and Nietzsche: PR: Junior standing. The philosophy of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting standpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance. Occasional.

PHI 3600 CAH-PHIL 3(3,0)  
Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, Nietzschean, structuralist, post-structuralism, and liberation philosophies. Occasional.

PHI 3700 CAH-PHIL 3(3,0)  
American Philosophy: PR: PHI 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. Every Spring.

PHI 3701 CAH-PHIL 3(3,0)  
Native American Philosophy: PR: PHI 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. Every Fall.

PHI 3900 CAH-PHIL (3,0)  
Philosophy and Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2311C, PGY 2410C, and a satisfactory portfolio review or C.I.; Or, admission to the Photography program. Designed for upper division art majors with photography concentration. A series of directed photographic problems of a research nature. Occasional. M&S fee $20.00

PGY 4471 CAH-SVAD 3(3,0)  
Photography Thesis: PR: PGY 3276 The Professional Environment becomes a co-requisite. Course has been shifted from the senior fall semester to the senior spring semester. A senior portfolio review or C.I. is required for this course. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional. M&S fee $45.00

PGY 4472C CAH-SVAD 3(2,1)  
Photo Visualization: PR: PGY 2655, PGY 2216 or C.I. Analysis of visual problems with an emphasis on communicating and applying a theoretical language to photographic imagery. Occasional. M&S fee $45.00

PGY 4493C CAH-SVAD 3(2,4)  
Photography and Art: PR: PGY 4472C, or PGY 3002, or C.I. Creation of photographs related to the expression of personal, political, aesthetic, and theoretical issues and ideas found in historical and contemporary imagery. Occasional. M&S fee $45.00

PGY 5108C CAH-SVAD 3(2,4)  
Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3410C and PGY 4440C, or admission into MPA graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times. Occasional. M&S fee $45.00

PHI 3041 CAH-PHIL 3(3,0)  
Russian Philosophy: PR: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of culture, religion, society, and politics. Occasional.

PHI 3100 CAH-PHIL 3(3,0)  
Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including pre-Socrates, Socrates, Plato, Aristotle. Occasional.

PHI 3200 CAH-PHIL 3(3,0)  
Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. Occasional.

PHI 3460 CAH-PHIL 3(3,0)  
Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.
Directed laboratory experiences with cadaver dissection. CR: PHT 3112L. In-depth study of human cranial nerves, and upper and lower extremities. Regional cadaver dissection.

PHT 3112L HPA-HP 1(1,0)
Gross Anatomy/Neuroscience I Lab: CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. Occasional.

PHT 3113 HPA-HP 2(2,0)
Gross Anatomy/Neuroscience I: PR: Admission to the Physical Therapy program. CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. Occasional.

PHT 3259 HPA-HP 2(2,0)
Patient Care Skills: CR: PHT 3259L. Basic skills of patient care, transfers, mobility skills, draping, gait training. Occasional.

PHT 3259L HPA-HP 1(0,2)
Patient Care Skills Lab: CR: PHT 3259L. Lab course covering basic skills of patient care; transfers, mobility skills, draping, gait training. Occasional.

PHT 3602 HPA-HP 2(2,0)

PHT 4119C HPA-HP 4(3,2)
Clinical Gross Anatomy: PR: ZOO 3733C and C.I. Review of human anatomical systems using cadavers and emphasizing clinical applications and pathologies. Fall. M&S fee $45.00
PHY 2090 COS-PHYS 0(0,1.5)
Physics Today: CR: PHY 2048C or PHY 2048C. Fundamental physics principles behind recent developments in physics research will be presented in a seminar format. May be repeated. Occasional.

PHY 3101 COS-PHYS 3(3,0)
Physics for Engineers and Scientists II: PR: MAC 2313 and PHY 2040C or PHY 2049H. Thermodynamics, oscillations, modern physics. Fall, Spring.

PHY 3101H COS-PHYS 3(3,0)
Honors Physics for Engineers and Scientists II: PR: Permission of Honors and PHY 2040C or PHY 2049H. Same as PHY 3101 with honors-level content. Occasional.

PHY 3220 COS-PHYS 3(3,0)

PHY 3323 COS-PHYS 3(3,0)

PHY 3513 COS-PHYS 3(3,0)
Thermal and Statistical Physics: PR: PHY 3101 or PHY 3101H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.

PHY 3722C COS-PHYS 3(1,5)

PHY 3752C COS-PHYS 3(1,5)

PHY 3802L COS-PHYS 3(3,0)
Intermediate Physics Laboratory: PR: PHY 3101 or C.I. Laboratory work in basic measurements of physical constants: experiments in mechanics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.

PHY 3920 COS-PHYS 1(1)
Frontiers in Physics Research: Colloquia and Public Talks: PR: PHY 3101 or C.I. Presentations of current research and major advances in physics. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

PHY 4324 COS-PHYS 3(3,0)

PHY 4424 COS-PHYS 3(3,0)

PHY 4424L COS-PHYS 3(0,3)
Optical Physics Laboratory: A laboratory course on geometric optics, interference, diffraction, materials and modern optics. Occasional.

PHY 4445 COS-PHYS 3(3,0)

PHY 4604 COS-PHYS 3(3,0)

PHY 4605 COS-PHYS 3(3,0)

PHY 4803L COS-PHYS 3(1,5)

PHY 4942C COS-PHYS 3(2,3)

PHY 5015C COS-PHYS 3(2,2)
Topics in Contemporary Physics for Teachers: PR: Graduate status or senior standing or C.I. Hands-on lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. Occasional.

PHY 5016 COS-PHYS 1(1,0)
Topics in Contemporary Physics for Teachers: PR: Graduate status or senior standing or C.I. The study of recent findings in a selected area such as particle physics, surface physics, planetary atmospheres, lasers, geophysics, etc. May be repeated for credit. Occasional.

PHY 5140C COS-PHYS 3(3,2)
Ion-Solid Interactions: PR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principles and related scientific and technological applications of ion-solid interactions. Even Spring.

PHY 5200C COS-PHYS 1(0,5,1.5)
Newtonian Mechanics for Teachers: PR: Graduate status or senior standing or C.I. A lab, lecture, demonstration course studying selected topics in classical mechanics. Occasional.

PHY 5300C COS-PHYS 1(0,5,1.5)
Electricity for Teachers: PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. Occasional.

PHY 5322C COS-PHYS 1(0,5,1.5)
Electromagnetism for Teachers: PR: Graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.

PHY 5481C COS-PHYS 1(0,5,1.5)
Optics for Teachers: PR: Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lasers. Occasional.

PHY 5485 COS-PHYS 3(0,3)
Modern X-Ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics. X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.

PHY 5466C COS-PHYS 1(0,5,1.5)
Wave Motion for Teachers: PR: Graduate status or senior standing or C.I. Water waves, waves on strings, sound and vibrations. Occasional.

PHY 5500C COS-PHYS 1(0,5,1.5)
Thermal Physics for Teachers: PR: Graduate status or senior standing or C.I. Engines, heat pumps, kinetic theory, phase changes, radiation, weather. Occasional.

PHY 5524 COS-PHYS 3(3,0)

PHY 5606 COS-PHYS 3(3,0)
Quantum Mechanics I: PR: PHY 4605, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrodinger equation, matrix formalism, and time independent perturbation theory. Fall.

PHY 5650 COS-PHYS 3(3,0)
Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementation of quantum computation for science and engineering students. Occasional.

PHY 5704 COS-PHYS 3(3,0)
Physics of Nanoelectronics Devices: PR: Graduate standing or C.I. Fabrication techniques of nanoscale electronic devices and understanding of their charge transport properties. Odd Fall.

PHY 5705 COS-PHYS 1(1,0)
Physics of Graphene and Carbon Nanotubes: PR: PHY 4404 or equivalent, or C.I. Advanced topics in carbon nanotubes and graphene sheets by presentation and discussion of current literature. Odd Fall.

PHY 5715 COS-PHYS 3(3,0)
Physical Basis of Life: PR: Graduate standing or C.I. Molecular and physical principles of origin of life, physical and chemical interpretation of life processes. Fall.

PHY 5817L COS-PHYS 1(0,3)
Building Physics Apparatus: PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. Occasional. M&S fee $45.00.

PHY 5846C COS-PHYS 3(3,3)
Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.

PHY 5933 COS-PHYS 3(3,0)
Selected topics in biophysics of macromolecules: PR: PHY 3101. CHM 2406, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins. Connections with other complex systems. May be repeated for credit. Occasional.

PHZ 3113 COS-PHYS 3(3,0)
Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. Spring.

PHZ 3151 COS-PHYS 3(3,0)

PHZ 3422 COS-PHYS 3(3,0)
Nanophysics: PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport. Occasional.

PHZ 3601 COS-PHYS 3(3,0)

PHZ 4041 COS-PHYS 3(3,0)
Attosecond Laser Physics: PR: PHY 3323 or PHY 5346 or C.I. Coverage of the basic underlying theory through complex concepts of attosecond optics. Occasional.

PHZ 4390 COS-PHYS 3(3,0)
Nuclear and Particle Physics: PR: PHY 4605 or C.I. The properties of the nucleus and the fundamental particles and how the universe is built from particles. Occasional.

PHZ 4404 COS-PHYS 3(3,0)

PHZ 4423 COS-PHYS 3(3,0)
Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.
PHZ 5045 COS-PHYS 3(3,0)    Attosecond Laser Physics: PR: PHY 5606, PHY 5346 or PHY 4324, or C.I. Technique for generating attosecond optical pulses using both semi-classical models and quantum mechanics theories. Illustrative examples of attosecond applications. Odd Spring.

PHZ 5156 COS-PHYS 3(3,0)    Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHZ 5304 COS-PHYS 3(3,0)    Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and 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 applications 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)    Nanoscale Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PHZ 5445 COS-PHYS 3(3,0)    Nanofabrication using Focused Ion Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interaction: fundamental principle of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques. Odd Spring.

PHZ 5505 COS-PHYS 3(3,0)    Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PHZ 5601 COS-PHYS 1(1,0)    Special Relativity for Teachers: PR: Graduate status or senior standing or C.I. Length contraction, time dilation, simultaneity, conservation of mass-energy, conservation of momentum, Compton scattering. Occasional.

PLA 3014 HPA-LS 3(3,0)    Law and the Legal System: A survey course designed to illustrate the student with the American legal system, ethical considerations, terminology, legal reasoning, 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 procedure 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 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) Admiralty and Maritime Law: PR: PLA 3014, Admiralty jurisdiction and procedure including contracts for carriage of goods, salvage law, admiralty contracts and claims, collision and salvage law, and wrongful death. Occasional.

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) Capstone: 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 and work. Course will assist students in preparing for employment or graduate education. Fall, Spring.

PLA 5587 HPA-LS 3(3,0) Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

PLA 5937 HPA-LS 3(1,2) Legal Research Projects: PR: Graduate standing or C.I. A study of legal research and writing. Open only to students with no prior knowledge of Portuguese. Fall.

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 1120. The course emphasizes the four major language skills: reading, writing, listening, and speaking. Spring.

POR 2200 CAH-LANG 3(3,0) Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. 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 ITC 2201, or SPN 104, or equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.

POS 2041 COS-POLS 3(3,0) American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.

POS 2041H COS-POLS 3(3,0) Honors American National Government: PR: Permission of Honors. Same as POS 2041 with honors-level content. Occasional.

POS 3076 COS-POLS 3(3,0) American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.

POS 3122 COS-POLS 3(3,0) State Government and Public Policy: PR: POS 2041 or C.I. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. Occasional.

POS 3122H COS-POLS 3(3,0) Honors State Government and Public Policy: PR: POS 2041 or C.I. and permission of Honors. A comparative study of state and local governments, political processes, and public policies, with emphasis on Florida. With Honors content. Occasional.

POS 3173 COS-POLS 3(3,0) Southern Politics: PR: POS 2041 or C.I. Study of southern politics past and present. Emphasis on factors effecting changes in the states. Southern and national relationship examined. Occasional.

POS 3182 COS-POLS 3(3,0) Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.

POS 3182H COS-POLS 3(3,0) Honors Florida Politics: PR: POS 2041 or C.I., and consent of Honors. Foundations of Florida government and political behavior, political institutions, and public policy. With Honors content. Occasional.

POS 3223 COS-POLS 3(3,0) Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasis of the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

POS 3234 COS-POLS 3(3,0) Protest in American Politics: PR: POS 2041 or C.I. Connections between politics and protest in American politics including its impact on policy, and the implications of the generalization of protest for democracy. Occasional.

POS 3235 COS-POLS 3(3,0) Mass Media and Politics: PR: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.

POS 3235H COS-POLS 3(3,0) Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.

POS 3253 COS-POLS 3(3,0) Contemporary Revolution and Political Violence: Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.

POS 3258 COS-POLS 3(3,0) Politics in Film: PR: POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.

POS 3273 COS-POLS 3(3,0) Voting and Election: Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

POS 3413 COS-POLS 3(3,0) The American Presidency: PR: POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office's evolution in status, power, administrative responsibilities, leadership, and decision-making. Occasional.

POS 3424 COS-POLS 3(3,0) Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change; emphasis upon recruitment of legislators, institutional and informal rules, the committee system, and floor proceedings. Fall.

POS 3443 COS-POLS 3(3,0) Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.

POS 3463 COS-POLS 3(3,0) Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.


POS 3703 COS-POLS 3(3,0) Scope and Methods of Political Science: PR: Junior standing or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall, Spring.

POS 3949 COS-POLS 0(0,8) Cooperative Education in Political Science: PR: Departmental permission required before registering. Cooperative education experience in political science. Graded S/U. May be repeated. Occasional.

POS 4074 COS-POLS 3(3,0) Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on U.S. national and international politics and policies. Odd Fall.

POS 4142 COS-POLS 3(3,0) Metropolitan Politics: Analysis of political patterns, processes, and issues in American communities. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. Occasional.

POS 4204 COS-POLS 3(3,0) Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

POS 4206 COS-POLS 3(3,0) Political Psychology: The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. Occasional.

POS 4246 COS-POLS 3(3,0) Political Socialization: PR: POS 2041 or C.I. Analysis of recruitment and socialization processes. Identification of the agents and processes of political socialization in national and cross-cultural contexts. Occasional.

POS 4284 COS-POLS 3(3,0) Judicial Process and Politics: Study of the formal and informal judicial process. Legal culture, bureaucratic model; judicial recruitment and outputs, comparative judicial behavior. Fall, Odd Spring.

POS 4412 COS-POLS 3(3,0) Presidential Campaigning: PR: C.I. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. Occasional.

POS 4603 COS-POLS 3(3,0) American Constitutional Law: PR: POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy. Fall.

POS 4604 COS-POLS 3(3,0) American Constitutional Law II: PR: POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4682 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) Geographic Information Systems for the Political Scientist: PR: POS 2041. Theoretical assumptions, analytical possibilities, and application of Geographic Information Systems (GIS) for political science research. Occasional.
PSY 4025 COS-PSYCH 3(3.0) The Psychology of Art: PR: PSY 2012, and ARH 2080 or ARH 2091. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.

PSY 4215C COS-PSYCH 4(3.2) Advanced Research Methods in Psychology: PR: PSY 2121C. Design, analysis, and interpretation of complex research projects in psychology. Fall, Spring. M&S fee $20.00

PSY 4270L COS-PSYCH 3(0.3) Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4215C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. Occasional. M&S fee $15.00

PSY 4305C COS-PSYCH 3(1.4) Advanced Psychological Measurement: PR: or CR: PSY 3302. Application of the theory underlying psychological test and measurement procedures, including reliability, validity, and item analysis. Occasional.

PSY 4604 COS-PSYCH 3(3.0) History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 4604H COS-PSYCH 3(3.0) Honors History and Systems in Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.

PSY 5605 COS-PSYCH 3(3.0) History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of the origins of American psychology from its origins in the late 19th century to the present time. This course is intended for the PhD in Clinical Psychology; in certain instances graduate students in other programs may enroll. Odd Fall.

PUP 3014 COS-POLS 3(3.0) Comparative Public Policy: PR: POS 2041 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203 COS-POLS 3(3.0) Environmental Politics: PR: POS 2041 or C.I. An examination of policies and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.

PUP 3314 COS-POLS 3(3.0) Minorities in American Politics: Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

PUP 3325 COS-POLS 3(3.0) Women and Political Behavior: PR: POS 2041 or C.I. Women's role in the political process, emphasizing women in the governmental and policy process. Odd Fall.

PUP 3508 COS-POLS 3(3.0) Space Studies: PR: Junior standing or C.I. Multidisciplinary overview of space studies, providing familiarity with some technical aspects as well as the relationship between technical and public policy considerations. Occasional.

PUP 4003 COS-POLS 3(3.0) American Public Policy: PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the maltreatment of societal power and social conflict. Occasional.

PUP 4204 COS-POLS 3(3.0) Sustainability: PR: POS 2041 or C.I. Environmental politics through the lens of “sustainability.” Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 4209 COS-POLS 3(3.0) Urban Environmental Policy: PR: POS 2041. Public policy, ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. Occasional.

PUP 4323 COS-POLS 3(3.0) Women and Public Policy: PR: POS 2041 or C.I. Public policies and processes that achieve a disparate impact on women and women’s lives in the United States. Occasional.

PUP 4404 COS-POLS 3(3.0) Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. Occasional.

PUP 4503 COS-POLS 3(3.0) Government and Science: PR: C.I. Examination of the interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3.0) Space Policy: An examination of the policies and policy-making involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602 COS-POLS 3(3.0) Politics of Health: PR: C.I. Analysis of public health policies. Primary focus upon political processes, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health politics. Occasional.

PUP 4744 COS-POLS 3(3.0) Government and Business: PR: Junior standing or C.I. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931 COS-POLS 3(3.0) Topics in Public Policy: Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. Occasional.

PUP 5004 COS-COMM 3(3.0) Public Relations and Society: PR: SPC 1608 or COM 1000 or C.I. The important role public relations plays in the development of social policy. Occasional.

PUP 5100 COS-COMM 3(2.1) Writing for Public Relations: PR: Ad-PR Majors only. Development of skills in writing for public relations. Fall, Spring.

PUP 4000 COS-COMM 3(3.0) Public Relations: PR: SPC 1608 or SPC 1603, or COM 1000. Principles and practice of Public Relations including techniques, research tools publicity, and management. Fall, Spring.

PUP 4000H COS-COMM 3(3.0) Honors Public Relations: PR: SPC 1608 or COM 1000. Advanced review of principles and practice of public relations including techniques, research tools, publicity and management. Occasional.

PUP 4110C COS-COMM 3(1.3) Public Relations Publications: PR: EN 2210 or PUR 3100 or JOU 2101C or ENC 3250. Basic principles and techniques of desktop production of public relations publications. Fall, Spring.

PUP 4203 COS-COMM 3(3.0) PR/Advertising Ethics and Law: PR: Ad-PR majors only and ADV 3008. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Occasional.


QMB 4700 BA-MAN 3(3.0) Managerial Decision Making: PR: GEB 3031 and MAN 3025. Computer-based quantitative decision models (including linear programming and extensions, queuing, network models, simulation) and decision support systems for business organizations. Occasional.


RAT 3242 HPA-HP 2(2.0) Oncologic Pathology: PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. Occasional.


RAT 4247 HPA-HP 3(3.0) Radiation Oncology I: Methods of radiation therapy treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. Occasional.

RAT 4248 HPA-HP 3(3.0) Radiation Oncology II: Methods of treatment of malignant conditions of the nervous system, eye, reproductive system, urinary system, connective tissue, and lymphoreticular system. Occasional.

RAT 4618C HPA-HP 4(3.3) Radiation Therapy Physics II: PR: RAT 3614. Study of radiation protection techniques, design considerations, modes and characteristics of decay, handling of radionuclides and clinical dosimetry. Occasional.

RAT 4619C HPA-HP 4(3.3) Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. Occasional.

RAT 4804L HPA-HP 5(0.20) Clinical Education I: PR: RTE 3000, RTE 3111C, RTE 3528, RTE 3614, RTE 3804L, RTE 3457C, RTE 3549, or C.I. Supervised clinical practice in patient care and orientation to radiation therapy simulation, and treatment planning and delivery procedures. Occasional.

RAT 4814L HPA-HP 6(0.24) Clinical Education II: PR: RAT 4804L. Supervised clinical practice in patient care, education, simulation, treatment planning and delivery and utilization of treatment units. Occasional.

RAT 4824L HPA-HP 6(0.24) Clinical Education III: PR: RAT 4814L. Continued supervised clinical practice in patient care, education, simulation, treatment planning and delivery and utilization of treatment units. Occasional.

RED 3012 ED-TL&L 3(3.0) Basic Foundations of Reading: PR: Junior standing or C.I. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.

Undergraduate Catalog 2011-2012
**Principles of Radiographic Exposure**

- **RTE 3457C** HPA-HP 3(2,5,1,5) Principles of Radiographic Exposure II: PR: RTE 3456C or C.S. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. Spring.

- **RTE 3503C** HPA-HP 3(2,3) Radiographic Procedures I: PR: Admission to the program. Provides fundamental knowledge of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the chest, abdomen, routine contrast studies, and the upper extremity. Fall.

- **RTE 3513C** HPA-HP 3(2,3) Radiographic Procedures II: PR: RTE 3503C or C.I. Continuation of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, bony thorax, lower extremity, vertebral column, cranium, and facial bones. Spring.

- **RTE 2614** HPA-HP 2(2,0) Physics of Image Production: PR: College Physics II. Physics of diagnoses including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. Fall.

- **RTE 3804L** HPA-HP 2(0,8) Clinical Education I: PR: Admission to Radiologic Sciences Major. Supervised clinical practice in radiologic procedures, radiation protection, patient care and equipment with emphasis on chest and abdomen procedures and patient care activities. Fall.

- **RTE 2602** HPA-HP 3(3,0) Methods in Radiology Management: Concepts of radiology, department management, including principles, personnel management, evaluation and improvement techniques, budgeting, financial considerations and legal aspects, and JCAH quality assurance specifications. Fall.

- **RTE 4209** HPA-HP 2(0,8) Radiological Administrative Practice: A directed practice in the management of a radiology department, with application of theory and methodology. Occasional.

- **RTE 4473** HPA-HP 3(3,0) Quality Improvement: PR: Registered technologist or Senior standing. The study of quality improvement and quality control from the perspective of radiology services. Spring.

- **RTE 4563** HPA-HP 2(2,0) Special Radiographic Procedures: PR: RTE 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. Occasional.

- **RTE 4573** HPA-HP 3(3,0) Advanced Imaging Modalities: PR: RTE 3563 or C.I. A study of the physical principles and applications of computed tomography, digital imaging, interventional radiography, mammography, ultrasound, magnetic resonance imaging, and nuclear medicine. Fall.

- **RTE 4574** HPA-HP 1(1,0) Computed Tomography Protocols: PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multidetector row computed tomography acquisition. Fall.

- **RTE 4579** HPA-HP 1(1,0) Magnetic Resonance Imaging Protocols: PR: Senior level status in Radiologic Sciences Program. Provides overview of imaging protocols used for specific MRI procedures. Content includes patient screening, safety procedures, patient positioning, coil and accessory device selection and use. Fall.

- **RTE 4762** HPA-HP 3(3,0) Anatomy for the Medical Imagery: PR: ZOO 3733C and PCB 3703C. A study of the normal anatomical structures and relationships of structures as demonstrated in a radiographic and cross-sectional imaging reference. Fall, Spring.


- **RTE 4824L** HPA-HP 5(0,20) Clinical Education III: PR: RTE 3814L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on the pelvis, bony thorax, vertebral column and mobile radiography. Occasional.

- **RTE 4834L** HPA-HP 6(0,24) Clinical Education IV: PR: RTE 4824L. Supervised clinical practice in radiographic/fluoroscopic procedures, mobile radiography and rotations through specialized imaging. Spring.

- **RTE 4844L** HPA-HP 2(0,8) Advanced Clinical Practicum: PR: RTE 4834L or Admission to AS to BS Transfer Program. Supervised clinical practice in computed tomography, interventional radiology, cardiac catheterization, magnetic resonance, mammography, trauma or pediatrics. Fall, Spring.

- **RTE 4903** HPA-HP 2(0,8) Directed Study in Radiologic Education: PR: ECT 3371 or EOG 4322 or C.I. Directed activity in classroom instruction in radiologic technology. Occasional.


- **RTV 3007** COS-COMM 3(3,0) Development and Structure of Electronic Media and New Technology: PR: SPH 1602 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. Fall, Spring.

- **RTV 3101** COS-COMM 3(1,2) Broadcast Copywriting: PR: RTVF Majors only. Grammar Proficiency Examination and School Typing Exam. Preparation of written public service and commercial copy for radio and television. Occasional.

- **RTV 3200** COS-COMM 3(3,0) Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTVF 3007 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. Fall, Odd Spring.
RTV 3223C 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 multiple-camera video production. Students should expect significant work in the RTV lab facility outside of class. Odd Fall, Spring. M&S fee $30.00

RTV 3228C COS-COMM 4(3,1) Studio Television Production: PR: RTV 3260C and RTV Major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, cameras, video switches, lighting and electronic graphics. Students should expect significant work in the RTV facility outside of class. Odd Fall, Even Spring. M&S fee $30.00

RTV 3234C COS-COMM 3(2,1) Broadcast Announcing and Performance: PR: RTV Major, 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 interpersonal communication. Production of performance pieces: 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 digital single-camera video, production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee $30.00

RTV 3263C COS-COMM 3(2,1) Advanced Video Post-Production: PR: RTV 3260C, and RTV 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 lab facility outside of class. Fall, Spring. M&S fee $15.00

RTV 3301L COS-COMM 1-3(0,3-9) Practicum: PR: C.I. Major, RTV Major, and other RTV 3210C, RTV 3223C, or RTV 3260C. Student will serve in some positive role in RTV production, in RTV Weekly News or other RTV program. Graded S/U. May be repeated for credit. Occasional.

RTV 4271C COS-COMM 3(2,1) Radio Production and Programming: PR: RTV 3200 and RTV Major - Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today’s radio listener. Students should expect significant work in the RTV lab facility outside of class. Fall

RTV 4280C COS-COMM 3(2,1) Webcasting I: PR: RTV Major and PR or CR, RTV 3283C. Presentation of broadcast material on the web. 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 4230C 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 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 4505S COS-COMM 3(2,1) Program Issues for TV & Motion Pictures: PR: RTV 3007 or FIL 2030 or C.I. An examination of production development strategies and issues in 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 problems in station operations at local, regional, and national levels. Odd Spring.

RUS 1120 CAH-LANG 4(4,1) Elementary Russian Language and Civilization I: PR: C.I. Russian 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: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Occasional.
SCW 5307 HPA-SOWK  3(3,0)
Nonprofit Resource Development: PR: Admission to MSW program. Development of nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant funding, fundraising, marketing, and government contract development and management. Occasional.

SCW 5404 HPA-SOWK  3(3,0)
Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. Fall.

SCW 5432 HPA-SOWK  3(3,0)
Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measurement applications to individuals, families, groups, programs, communities. Occasional.

SCW 5532 HPA-SOWK  2(2,0)

SCW 5533 HPA-SOWK  2(2,0)
Generalist Field Education II: PR: MSW. Continuation of SOW 5532 Generalist Field Education I in the same field agency for 224 clock hours. Graded S/U. Odd Fall, Spring.

SCW 5534 HPA-SOWK  1(1,0)
Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. SOW 5532. Seminar designed to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U.

SCW 5538 HPA-SOWK  3(3,0)
Full-Time MSW Generalist Field Education and Seminar I: PR: SOW 5538; CR: SOW 5250. 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.

SCW 5539 HPA-SOWK  3(3,0)
Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Occasional.

SCW 5546 HPA-SOWK  1(1,0)
Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: Generalist Field Education II. Continuation of generalist field education integrative seminar I to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Spring.

SCW 5565 HPA-SOWK  2(2,0)

SCW 5566 HPA-SOWK  2(2,0)

SCW 5557 HPA-SOWK  2(2,0)

SCW 5624 HPA-SOWK  3(3,0)
Social Work Practice in Mexican Culture: PR: C.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. Occasional.

SCW 5625 HPA-SOWK  3(3,0)

SCW 5642 HPA-SOWK  3(3,0)
Aging in Social Situations: PR: Admission to MSW program or Gerontology certificate program or C.I. Knowledge about elderly in social situations or environmental context. Occasional.

SCW 5662 HPA-SOWK  3(3,0)
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(3,0)
Introduction to Communication Disorders: PR: PSY 3012 or SY 2040. Etiology, symptoms, and methods of diagnosing and treating communication disorders. For beginning and progressive learners in Communication Sciences and Disorders. Occasional.

SPA 3011 HPA-COM SC&DIS  3(3,0)
Speech Science I: Perception: 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)

SPA 3101 HPA-COM SC&DIS  3(3,0)
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(3,0)

SPA 3112 HPA-COM SC&DIS  3(3,0)
Basic Phonetics: PR: SPA 3112L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. Fall, Spring.

SPA 3121L HPA-COM SC&DIS  1(0,1)

SPA 3122 HPA-COM SC&DIS  3(3,0)

SPA 3123 HPA-COM SC&DIS  3(0,2)

SPA 4312 HPA-COM SC&DIS  3(3,0)
Brain Stories: A Communication Disorders Perspective: PR: SPA 4310 (may be taken as corequisite) or PSY 2012 or C.I. A case study approach to communicative-cognitive disorders due to brain injury. Fall, Spring.

SPA 4342 HPA-COM SC&DIS  3(3,0)
Communication Disorders in Literature and Media: PR: PSY 2012 or SY 2040. Exploration of communication disorders in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as well as society's perceptions of individuals with communication disorders. Fall, Spring.

SPA 4374 HPA-COM SC&DIS  3(3,0)

SPA 4362 HPA-COM SC&DIS  3(3,0)
Communication Disorders in the Deaf and Hard of Hearing Population: PR: ASL 2910 or C.I. Speech, language, and hearing problems in the DeHH population, including etiology, pathology, and management of hearing disorders. Occasional.

SPA 4392 HPA-COM SC&DIS  3(3,0)

SPA 4201 HPA-COM SC&DIS  3(3,0)
Articulation And Phonological Disorders: PR: SPA 3102, 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 4211 HPA-COM SC&DIS  3(3,0)

SPA 4476 HPA-COM SC&DIS  3(3,0)

SPA 4478 HPA-COM SC&DIS  3(3,0)
Multicultural Aspects of Communication Disorders & Differences: PR: LIN 3717. Cultural and linguistic diversity among individuals with communication disorders and differences, Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4501L HPA-COM SC&DIS  3(3,0)
Undergraduate Clinical Practicum: PR: SPA 4400 or SPA 4476 and senior standing. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Fall, Spring. M/S fee $45.00

SPA 4555 HPA-COM SC&DIS  3(3,0)
Counseling in Communication Disorders: PR: SPA 4500C or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.

SPA 4580 HPA-COM SC&DIS  3(3,0)
Augmentative and Alternative Communication Systems: PR: LIN 3717 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.

SPA 4634 HPA-COM SC&DIS  3(3,0)
Educational Implications of Deafness: PR: ASL 2910. Impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803 HPA-COM SC&DIS  3(3,0)
Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2023. 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 CR: 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 disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.

SPA 5473 HPA-COM SC&DIS 3(3,0) Multicultural Aspects of Communication: Differences and Disorders: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals, with a focus on differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. Occasional.

SPA 5554 HPA-COM SC&DIS 3(3,0) Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. Spring.

SPA 5564 HPA-COM SC&DIS 3(3,0) Aging and Communication: PR: Senior status or C.I. Study of the changes in communication with normal aging, focusing on assessment and management of 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 ethics and moral issues in sport and their business implications focusing on the responsibilities of decision makers in professional, collegiate, and Olympic sport. Occasional.

SPB 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 performance in professional, collegiate, and Olympic sport. Occasional.

SPB 3823 BA-BUS 3(3,0) The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPB 3003, 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 movements in business organizations. Theories/concepts of business and entrepreneur behavior are applied. Occasional.

SPC 4104 BA-BUS 3(3,0) Intercollegiate Sport Industry: PR: SPB 3003. The structure, governance, and management of intercollegiate sport management and a framework for sound business decision making. Occasional.

SPC 4204 BA-BUS 3(3,0) Professional Sport Industry: PR: SPB 3003. The structure, evolution, governance of professional sport management and a framework for sound business decision making. Occasional.

SPC 4304 BA-BUS 3(3,0) Sports Event and Facility Management: PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. The principles of facility and event management in sport business and their applications in professional, collegiate, and Olympic sport. Occasional.


SPC 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.

SPC 4804 BA-BUS 3(3,0) Sport Business and Media: PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. The structure and evolution of the relationship between sport and media and their business implications. Occasional.


SPC 1608 COS-COMM 3(3,0) Fundamentals of Oral Communication: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering public speeches. Fall, Spring.


SPC 2942 COS-COMM 1-3(1-3,0) Debate Practicum: PR: Permission of Honors and SPC 1608C or C.I. May be used in the degree program a maximum of 3 times. Occasional.

SPC 3301 COS-COMM 3(3,0) Interpersonal Communication: PR: or CR: COM 3311, or C.I. Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, interactant behavior, situational cues, verbal and non-verbal messages. Fall, Spring.

SPC 3425C COS-COMM 3(2,1) Group Interaction and Decision-Making: PR: or CR: COM 3311, or C.I. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Odd Fall, Spring.

SPC 3445 COS-COMM 3(3,0) Leadership Through Oral Communication: PR: or CR: COM 3311 or C.I. Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, interactant behavior, situational cues, verbal and non-verbal messages. Fall, Spring.

SPC 3513 COS-COMM 3(1,2) Argumentation and Debate: PR: SPC 1608 or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 3513H COS-COMM 3(3,0) Honors Argumentation and Debate: PR: SPC 1608H or SPC 3513. Advanced study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 3602 COS-COMM 3(3,0) Advanced Public Speaking: PR: SPC 1608C or C.I. Advanced training in selecting and organizing materials for various types of speeches. Practice in thinking and speaking before audiences. Occasional.

SPC 4331 COS-COMM 3(3,0) Nonverbal Communication: PR: or CR: COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralinguage. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

SPC 4426 COS-COMM 3(3,0) Group Dynamics: PR: or CR: COM 3311, or C.I. Human behavior in group situations. Fall, Even Spring.

SPC 4540 COS-COMM 3(3,0) Attitudes and Communication: PR: or CR: COM 3311, or C.I. A survey of the immediate and direct ways in which persuasive communications and social groups come to influence attitudes. Fall, Spring.

SPM 3130 ED-CFCS 3(3,0) Aquatic Management: PR: Admission to B.S. in Sports and Fitness program or C.I. Requisite knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204 ED-CFCS 3(3,0) Sports and Ethics: PR: Junior standing or C.I. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415 ED-CFCS 3(3,0) Public Relations in Sport and Exercise Science: PR: PET 2084. Examination of the role of public relations and media with specific application to sport and exercise science professionals. Fall, Spring.

SPM 3504 ED-CFCS 3(3,0) Fiscal and Facilities: Issues in Sport and Exercise Science: PR: PET 2084. Design, maintenance, and operation of sport and exercise science facilities with a specific focus on fiscal management. Fall, Spring.

SPM 4723 ED-CFCS 3(3,0) Legal Issues in Sport and Exercise Science: PR: PET 2084. Examination of the legal issues and problems encountered by sport and exercise science professionals. Fall, Spring.

SPM 5155 ED-CFCS 3(3,0) Introduction to Sports Administration: PR: C.I. This course will provide an overview of the sports industry. Fundamental leadership administration and research theories as well as information on current issues are emphasized. Occasional.

SPM 5308 ED-CFCS 3(3,0) Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

SPM 5506 ED-CFCS 3(3,0) Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

SPN 1120C CAH-LANG 4(3,1) Elementary Spanish Language and Civilization I: Introduces the student to Spanish culture through the major language skills: listening, speaking, reading, writing. Fall, Spring.

SPN 1120H CAH-LANG 4(4,1) Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading, writing. Fall, Spring.

SPN 1121C CAH-LANG 4(3,1) Elementary Spanish Language and Civilization II: Introduces the student to Spanish culture through the major language skills: listening, speaking, reading, writing. Fall, Spring.

SPN 1121H CAH-LANG 4(4,1) Honors Elementary Spanish Language and Civilization II: PR: Permission of Honors and SPN 1120H or equivalent. Same as SPN 1121H with honors-level content. Occasional.

SPN 1150C CAH-LANG 4(8,4) Intensive Beginning Spanish: Combines SPN 1120C and SPN 1121C in an intensive one-semester unit. Emphasis on speaking, listening, reading, and writing Spanish. For students with little or no background in the language. Occasional.
SPN 1170 CAH-LANG 8(16,10)  
Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. Occasional.

SPN 2200 CAH-LANG 3(3,1)  
Intermediate Spanish Language and Civilization I: PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

SPN 2200H CAH-LANG 3(3,1)  
Honors Intermediate Spanish: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.

SPN 2201 CAH-LANG 3(3,1)  
Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. Occasional.

SPN 2240 CAH-LANG 3(3,1)  
Intensive Spanish Conversation: PR: One year of Spanish or equivalent. Practical use of the language, leading to lower fluency and correctness in speaking at the intermediate level. Occasional.

SPN 2241 CAH-LANG 3(3,0)  

SPN 2340 CAH-LANG 3(3,0)  
Spanish for Native Speakers: PR: Must be a native speaker of Spanish, with 10 years of education in Spanish. Fall, Spring.

SPN 2341 CAH-LANG 3(3,0)  
Advanced Spanish for Native Speakers: PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.

SPN 2511 CAH-LANG 3(3,0)  
Modern Spanish Civilization Abroad: PR: SPN 1120C & SPN 1121C. This intensive course will focus on modern Spanish culture using examples from present-day society. Cultural visits and reals are essential components of this course. Occasional.

SPN 3140 CAH-LANG 3(3,0)  
Business Spanish I: PR: SPN 2200 and SPN 2201 or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic World. Odd Fall.

SPN 3141 CAH-LANG 3(3,0)  

SPN 3142 CAH-LANG 3(3,0)  
Business Spanish III: PR: C.I. Continuation of Business Spanish II. Even Fall.

SPN 3234 CAH-LANG 3(3,0)  
Advanced Directed Readings: PR: SPN 2200 or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. Fall, Spring.

SPN 3300 CAH-LANG 3(3,0)  
Advanced Spanish Grammar and Composition: PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.

SPN 3343 CAH-LANG 3(3,0)  
Advanced Rhetoric for Native Speakers: PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only. Occasional.

SPN 3344 CAH-LANG 3(3,0)  
Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.

SPW 3000H CAH-LANG 3(3,0) Honors: Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel-Prize-Winning writers. Through readings, 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) Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. Fall.

SPW 3131 CAH-LANG 3(3,0) Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. Spring.

SPW 3320 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. Occasional.


SPW 3370 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 3130 and SPW 3370, 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 Drame: 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 in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4381 CAH-LANG 3(3,0) Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3130 or SPW 3131 or SPW 3370. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4382 CAH-LANG 3(3,0) Central American Literature: PR: SPW 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central America literary history. Taught in Spanish. Occasional.

SPW 4450 CAH-LANG 3(3,0) Spanish Literary Theory: PR: SPW 3101 and SPW 3130 or SPW 3131, or C.I. A study of textual and critical interpretation in the Spanish American context. Occasional.

SPW 4460 CAH-LANG 3(3,0) Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish, Romanticism, Realism, and Naturalism. Occasional.

SPW 4604 CAH-LANG 3(3,0) Cervantes: PR: SPW 3100 or C.I. Don Quixote. Occasional.

SPW 4720 CAH-LANG 3(3,0) The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation's main authors and their works. Occasional.

SPW 4730 CAH-LANG 3(3,0) Hispanic Literature of the United States: PR: SPW 3101 or SPW 3131 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.

SPW 4770 CAH-LANG 3(3,0) Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 4772 CAH-LANG 3(3,0) Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of the work of authors who have included the black character as part of their narrative. Occasional.

SPW 4773 CAH-LANG 3(3,0) Puerto Rican Literature: PR: SPW 3101 and SPW 3130 and SPW 3131, Puerto Rican Literature from XIX Century to present. Conducted in Spanish. Occasional.

SPW 5741 CAH-LANG 3(3,0) Contemporary Spanish American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

SPW 5787 CAH-LANG 3(3,0) Jewish Culture in Latin America: PR: Spanish M.A. program or graduate student proficient in Spanish. History of the arrival of Jews in Latin America and studies of Latin-American Jewish authors and literature. Will be taught in Spanish, including all readings. Occasional.

SSE 3312 ED-TL&L 3(3,0) Teaching Social Science in the Elementary School: PR: EDG 4410 and C.I. Selected themes, problems, and concepts; organizing for instruction; techniques, evaluation procedures. Fall, Spring.

SSE 4361 ED-TL&L 4(4,0) Social Science Instructional Analysis: PR: EDG 4320 or C.I. CR: ESE 3940 or C.I. Analysis of secondary (grades 6-12) social science instructional programs including development of objectives, materials, processes, and assessment procedures in light of current research and practice. Fall, Spring.

SSE 4936 ED-TL&L 3(3,0) Programs in Teaching Social Science: PR: Admission to the Bachelor of Science in Social Science Education program. Special programs, strategies, and materials for middle and secondary social science majors. Fall.

SSE 5391 ED-TL&L 3(3,0) Global Education: Theory and Practice: PR: Graduate standing or C.I. An examination of theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. Spring.

SSE 5776 ED-TL&L 3(3,0) Democracy and Education: PR: Graduate standing or C.I. An examination of the intersection of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. Fall.

SSE 5790 ED-TL&L 3(3,0) Inquiry and Instructional Analysis in Social Science Education: PR: Admission to M.A. program or alternative certification certificate program. Study of instructional strategies for social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.

STA 1060C COS-STAT 3(2,1) Basic Statistics Using Microsoft Excel: Applications of Excel, manipulating data; single and multiple graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.


STA 2023 COS-STAT 3(3,0) Statistical Methods I: PR: MAC 1105C or MGF 1106. First methods course course covering probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3,0) Honors Statistical Methods I: PR: Permission of Honors. Calculus desired but not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-IEMS 3(3,0) Probability and Statistics for Engineers: PR: MAC 2312. Axioms of probability; combinatorial and geometric probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-IEMS 3(3,0) Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamental probability and statistical principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3096 COS-STAT 3(3,0) Statistical Graphics: PR: STA 2023 or STA 3032 and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. Occasional.

STA 4102 COS-STAT 3(3,0) Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SÁS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130 COS-STAT 3(3,0) Life Contingencies I: PR: STA 4183 (or old number STA 3183). Economics of insurance, utility theory, single premiums for insurances and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.

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. Spring.

SYA 4650C COS-SOC 3(2,2)

SYA 5625 COS-SOC 3(3,0)
ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in subsocietal 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 3410 COS-SOC 3(3,0)

SYD 3700 COS-SOC 3(3,0)
Race and Ethnicity: PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.

SYD 3750 COS-SOC 3(3,0)

SYD 3751 COS-SOC 3(3,0)

SYD 3752 COS-SOC 3(3,0)
Modern Law in Indian Country: PR: 2000 level social science course or C.I. Examination of impact of unique legal relationship between American Indian governments and state federal governments. Legal issues include criminal justice, child welfare, and land ownership. 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 4020 COS-SOC 3(3,0)

SYD 4510 COS-SOC 3(3,0)
Environment and Society: PR: SYG 2000 or C.I. Applies the sociological perspective and sociological methods of analysis to the relationships between human behavior and the environment. Odd Spring.

SYD 4514 COS-SOC 3(3,0)

SYD 4810 COS-SOC 3(3,0)
Women in Contemporary Society: PR: SYG 2000 or WST 3015 or C.I. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and policy.). Fall, Spring.

SYD 4813 COS-SOC 3(3,0)

SYD 5517 COS-SOC 3(3,0)
Environment and Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.

SYD 5795 COS-SOC 3(3,0)
Class, Race, and Gender in American Society: PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the intersections of race, class, and gender in American society. Occasional.

SYG 2000H COS-SOC 3(3,0)
Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. Fall, Spring.

SYG 2000H PR: 2000 level social science course or C.I. The process of social movements 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: Sociological analysis of political and governmental issues, socioeconomic variables of voting behavior, power elites, societies and systems of government. Occasional.

SYO 4323 COS-SOC 3(3,0)

SYO 4400 COS-SOC 3(3,0)
Medical Sociology: Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYO 3300 COS-SOC 3(3,0)
Fads, Crowds, and Social Action: PR: SYG 2000 or C.I. Analysis of relatively unstructured social situations, such as mobs, crowds, etc., as well as more structured forms of collective behavior such as social movements. Occasional.

SYO 3400 COS-SOC 3(3,0)

SYO 3510 COS-SOC 3(3,0)
Sociology of Deviant Behavior: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of the types of, and societal reactions to, deviant behavior with special emphasis on stigmatization. Spring.

SYO 3551 COS-SOC 3(3,0)
Sociology of Murder: PR: SYG 2000 or SYG 2010 or C.I. An analytical study of murder in the U.S.; topics include different types of homicides, offenders, victims, and circumstances. Fall.

SYO 3570 COS-SOC 3(3,0)
Patterns of Mental Health in Society: PR: Departmental permission required before registering. Cooperative education experience in sociology. Graded S/U. May be repeated for credit. Occasional.

SYO 3300 COS-SOC 3(3,0)

SYO 3300 COS-SOC 3(3,0)

SYO 3410 COS-SOC 3(3,0)

SYO 3530 COS-SOC 3(3,0)
Juvenile Delinquency: Types of delinquency behavior found among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. Occasional.

SYO 3540 COS-SOC 3(3,0)

SYO 3551 COS-SOC 3(3,0)

SYO 3562 COS-SOC 3(3,0)

SYO 3602 COS-SOC 3(3,0)
Patterns of Popular Music in Society: PR: SYG 2000 or SYG 2010 or C.I. The role of popular music in social change and in reflecting American culture. Consideration is given to the nature of the popular music business. Occasional.

SYO 3630 COS-SOC 3(3,0)
Popular Culture In Society: PR: Junior Standing or C.I. Examines the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity, and age. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>PR: Theatre Major; Senior Standing. Examination of departmental exit critique. Graded S/U. Fall, Spring.</td>
</tr>
<tr>
<td>THE 5205</td>
<td>American Theatre</td>
<td>3(3,0) Standing. Completion of departmental exit critique. Graded S/U.</td>
</tr>
<tr>
<td>THE 5215</td>
<td>Global Theatre</td>
<td>3(3,0) Theatrical arts and traditions of various countries with an emphasis on non-western countries. theatre programs or C.I. Theatrical arts and traditions of various countries with an emphasis on non-western countries.</td>
</tr>
<tr>
<td>THE 5237</td>
<td>Cultural Diversity in Theatre</td>
<td>3(3,0) Commonality of human experience among various groups through the study of dramatic literature. Occasional.</td>
</tr>
<tr>
<td>THE 5248</td>
<td>Musical Theatre in History</td>
<td>3(3,0) Musical Theatre Program. A chronological study of musical theatre from early Viennese 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 genre. Emphasis will be placed upon historical trends and theatrical viability. Occasional.</td>
</tr>
<tr>
<td>THE 5288</td>
<td>Period Costumes, Architecture and Décor I</td>
<td>3(3,0) PR: Admission into Theatre MFA Design track. Costumes, architecture and décor from antiquity to the renaissance. Fall.</td>
</tr>
<tr>
<td>THE 5289</td>
<td>Period Costumes, Architecture and Décor II</td>
<td>3(3,0) PR: THE 5288. Costumes, architecture and décor from the Renaissance to present. Spring.</td>
</tr>
<tr>
<td>THE 5385</td>
<td>Dramatic Literature for Children</td>
<td>3(3,0) PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.</td>
</tr>
<tr>
<td>THE 5425</td>
<td>Women in Theatre</td>
<td>3(3,0) PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women’s contributions to theatre. Occasional.</td>
</tr>
<tr>
<td>THE 5545</td>
<td>Theatre for Social Change</td>
<td>3(3,0) PR: Admission into the MFA/MA Theatre programs or C.I. Theatre activists’ impact on theatrical art forms. Occasional.</td>
</tr>
<tr>
<td>THE 5910</td>
<td>Research Methods in Theatre</td>
<td>3(3,0) PR: MFA and MA in Theatre. Practice knowledge, skills and techniques needed by students to conduct research to include organization, styles, format, and bibliographic forms. Fall.</td>
</tr>
<tr>
<td>THE 5945L</td>
<td>Theatre Practicum I</td>
<td>1(0,20) PR: Graduate status or C.I. A laboratory course designed to develop students’ practical working knowledge in Theatre. Occasional.</td>
</tr>
<tr>
<td>THE 5946L</td>
<td>Theatre Practicum II</td>
<td>1(0,20) PR: Admission into the graduate program, Theatre Practicum I. A laboratory course designed to develop students’ practical working knowledge in theatre. Occasional.</td>
</tr>
<tr>
<td>TPA 2000C</td>
<td>Theatre Design Basics</td>
<td>3(2,2) PR: BFA Design/Tech or Stage Management major. C(2.0) or better required in THE 2020 or THE 2000. Basic design skills for scenic, lighting and costume designers using color, grayscales, textures and symmetry to create a strong stage presence. Fall.</td>
</tr>
<tr>
<td>TPA 2010C</td>
<td>Scenography</td>
<td>3(2,2) PR: “C” (2.0) or better in TPA 2000C and BFA Design and Technology or Stage Management major. Introduction to design for the stage, including scenery, lighting, costuming and sound. Occasional.</td>
</tr>
<tr>
<td>TPA 2071C</td>
<td>Theatre Rendering</td>
<td>3(2,2) PR: “C” (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. Spring.</td>
</tr>
<tr>
<td>TPA 2170C</td>
<td>Introduction to Theatre Production Documentation</td>
<td>2(2,2) PR: CGS 1005C. Presentation of information necessary to document design and production process. Spring.</td>
</tr>
<tr>
<td>TPA 2201L</td>
<td>Technical Theatre Production I</td>
<td>3(0,6) PR: B.A. Theatre, B.F.A. Musical Theatre/Acting major or minor. PR: “C” (2.0) or better in THE 2020 or THE 2000; CR: TPA 2201L. Development, theory and practice of all areas of technical theatre production. Fall, Spring.</td>
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<tr>
<td>TPA 2210L</td>
<td>Technical Theatre Production Lab</td>
<td>3(0,6) PR: Or: C, “C” (2.0) or better in TPA 2210. Practical projects in scenic construction. Occasional. M&amp;S fee $15.00</td>
</tr>
<tr>
<td>TPA 2210L</td>
<td>Stagecraft I</td>
<td>3(3,0) PR: BFA Design/tech or Stage Management, CR: TPA 2210L. Development, theory, and practice of technical theatre production. Fall.</td>
</tr>
<tr>
<td>TPA 2210L</td>
<td>Stagecraft Lab</td>
<td>3(0,6) PR: Or: C, “C” (2.0) or better in TPA 2210. Practical projects in scenic construction. Occasional. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>TPA 2211</td>
<td>Stagecraft II</td>
<td>3(3,0) PR: “C” (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Hand-drafting, properties design, and construction. Spring.</td>
</tr>
<tr>
<td>TPA 2220C</td>
<td>Stage Lighting</td>
<td>3(2,2) PR: Or: THE 2020 or THE 2000 and BFA Design and Technology or Stage Management major. Introduction to electronics for the stage, including electricity, lighting equipment and sound equipment. Fall, Spring. M&amp;S fee $29.50</td>
</tr>
<tr>
<td>TPA 2230C</td>
<td>Costume Design for Theatre I</td>
<td>3(2,2) PR: THE 2020 or THE 2000 and BFA Design and Technology or Stage Management major. Lecture/laboratory study of the basic techniques used in the construction of stage costumes. Spring. M&amp;S fee $15.00</td>
</tr>
<tr>
<td>TPA 2240C</td>
<td>Makeup Techniques</td>
<td>2(2,2) PR: Theatre B.F.A. major or departmental consent. Theory and practice of stage makeup. Fall, Spring. M&amp;S fee $30.00</td>
</tr>
<tr>
<td>TPA 2290L</td>
<td>Theatre Participation-Production I</td>
<td>3(0,20) PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring, M&amp;S fee $15.00</td>
</tr>
<tr>
<td>TPA 2600</td>
<td>Stage Management/Basics</td>
<td>3(3,0) PR: “C” (2.0) or better in THE 2020 or THE 2000 and BFA Stage Management major. Functions and responsibilities of professional stage managers. Occasional.</td>
</tr>
<tr>
<td>TPA 3040C</td>
<td>Costume Design for Theatre I</td>
<td>3(2,2) PR: “C” (2.0) or better in TPA 2010C. Projects in the fundamentals of costume design for the stage. Fall.</td>
</tr>
<tr>
<td>TPA 3060C</td>
<td>Scenic Design for Theatre I</td>
<td>3(2,2) PR: “C” (2.0) or better in TPA 2010C. Projects in the fundamentals of scenic design for the stage. Fall. M&amp;S fee $37.00</td>
</tr>
<tr>
<td>TPA 3077C</td>
<td>Scene Painting</td>
<td>3(2,2) PR: “C” (2.0) or better in TPA 2000C and TPA 2071C. Projects in scene painting techniques. Fall, Spring. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Design I</td>
<td>3(0,VAR) PR: Departmental consent by audition or interview. Occasional. M&amp;S fee $20.00</td>
</tr>
<tr>
<td>TPA 3197L</td>
<td>Summer Theatre Studio/Design II</td>
<td>3(0,VAR) PR: Departmental consent by audition or interview. Occasional. M&amp;S fee $20.00</td>
</tr>
<tr>
<td>TPA 3221C</td>
<td>Lighting Design for Theatre I</td>
<td>3(2,2) PR: “C” (2.0) or better in TPA 2010C and TPA 2220C. Projects in the fundamentals of lighting design for the stage. Spring. M&amp;S fee $37.00</td>
</tr>
<tr>
<td>TPA 3249C</td>
<td>Advanced Makeup Techniques</td>
<td>2(2,2) PR: “C” (2.0) or better in TPA 2248C. Lecture/laboratory study of basic techniques needed for the creation of special effects makeup and masks. Occasional. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>TPA 3260C</td>
<td>Sound Design for Theatre I</td>
<td>3(2,2) PR: “C” (2.0) or better in TPA 2010C and TPA 2220C. Projects in the fundamentals of sound design for the stage. Spring.</td>
</tr>
<tr>
<td>TPA 3383C</td>
<td>Topics in Technical Theatre</td>
<td>2(2,4) PR: TPA 2248C. Topics used in the production of scenery or costumes for the stage. Variable Topics. May be used in the degree program a maximum of 5 times. Occasional. M&amp;S fee $35.00</td>
</tr>
<tr>
<td>TPA 3601</td>
<td>Stage Management</td>
<td>3(3,0) PR: “C” (2.0) or better in TPA 2600. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall.</td>
</tr>
<tr>
<td>TPA 4041C</td>
<td>Costume Design for Theatre II</td>
<td>3(2,2) PR: “C” (2.0) or better in TPA 3040C. A continuation of TPA 3040C. Spring.</td>
</tr>
<tr>
<td>TPA 4061C</td>
<td>Scenic Design for Theatre II</td>
<td>3(2,2) PR: “C” (2.0) or better in TPA 3000C. Project scene design work with an emphasis on design visualization, communication and professional standards and practices. Spring. M&amp;S fee $37.00</td>
</tr>
<tr>
<td>TPA 4066C</td>
<td>Advanced Scenography</td>
<td>3(2,2) PR: TPA 3060C, TPA 3040C, TPA 3260C, or TPA 3221C. Project based work in student’s area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>TPA 4224C</td>
<td>Lighting Design for Theatre II</td>
<td>3(2,2) PR: “C” (2.0) or better in TPA 3211C. Project lighting design work with an emphasis on visualization of design concepts, professional graphics, and paperwork standards and practices. Occasional. M&amp;S fee $37.00</td>
</tr>
<tr>
<td>TPA 4250C</td>
<td>CADD for Theatre</td>
<td>2(2,2) PR: “C” (2.0) or better in TPA 2211, TPA 2211L, and TPA 2170C. Computer-aided drafting and design, and its application for Theatre. Occasional. M&amp;S fee $23.00</td>
</tr>
</tbody>
</table>
| TPA 4251C   | Advanced CADD for Theatre | 2(2,2) PR: “C” (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design, and its application for Theatre. Spring. M&S fee $38.75
UCF Courses and Descriptions
TPA 4264C
CAH-THEA
3(2,2)
Sound Design for Theatre II: PR: “C” (2.0) or better
in TPA 3260C. Project sound design work with an emphasis
on design communication and professional standards and
practices. Occasional.
TPA 4293L
CAH-THEA
1(0,VAR)
Theatre Participation-Production II: PR: “C”
(2.0) or better in TPA 2290L. Participation in UCF Theatre
Productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $15.00
TPA 4384C
CAH-THEA
3(3,4)
Advanced Topics in Technical Theatre: PR:
C (2.0) in TPA 2210 and TPA 2211. Variable topics which
may include Technical Direction or other advanced topics.
May be used in the degree program a maximum of 4 times.
Occasional. M&S fee $35.00

TPA 5405
CAH-THEA
3(3,0)
Theatre Management for Non-Majors: PR: THE
2020 or THE 2000, graduate status, or C.I. Study of university, community and professional theatre management with
special attention to the principles of management to include
management skills/function and organizational systems/
performance as they relate to theatre organizations/institutions. Fall.
TPA 5885C
CAH-THEA
2(2,2)
Puppetry: PR: Admission to MFA graduate program or
C.I. Puppetry as an art form in design and performance.
Odd Spring. M&S fee $30.00
TPA 5946C
CAH-THEA
1(0,20)
Design Practicum I: PR: Admission into the MFA
Design program. Practical experience as a member of the
production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.

TPP 3250
CAH-THEA
3(2,2)
Musical Theatre Acting I: PR: B.F.A. Musical
Theatre major, and C (2.0) or better required in TPP 2110C.
Practical acting techniques with solo musical theatre repertoire. Fall.
TPP 3252
CAH-THEA
3(3,0)
Musical Theatre Acting II: PR: B.F.A. Musical
Theatre major, and C (2.0) or better in TPP 3250. Practical
acting technique as it applies to musical theatre scene
study. Spring.
TPP 3257C
CAH-THEA
2(2,2)
Musical Theatre Voice I: PR: B.F.A. Musical Theatre
or BFA Acting major, and “C”(2.0) or better in THE 2020.
Craft of singing including anatomy, physiology, and diction
utilizing musical theatre repertoire. Spring.
TPP 3258C
CAH-THEA
2(2,2)
Musical Theatre Voice II: PR: B.F.A. Musical Theatre
major, and C (2.0) or better in TPP 3257C. Artistry of singing
including function of music and lyrics, and problems in song
interpretation utilizing musical theatre repertoire. Fall.

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 5949C
CAH-THEA
1(0,20)
Design Practicum II: PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the
practical application of Properties and/or Design for the
Theatre. Occasional.

TPA 4401C
CAH-THEA
3(2,2)
Theatre Careers in Production: PR: B.F.A. Design/
Tech or Stage Management; Junior standing. Techniques to
secure employment in technical theatre, design, and stage
management. Spring.

TPP 2101
CAH-THEA
3(3,0)
Fundamentals of Acting: PR: BA Theatre Studies
major, BFA Design & Technology major, BFA Stage
Management major or Theatre minor. Development of
imagination, self-awareness and the ability to execute basic
stage tasks. Fall, Spring.

TPA 4602
CAH-THEA
3(3,0)
Advanced Stage Management: PR: B.F.A. Stage
Management major, C (2.0) or better required in TPA 3601.
Skills necessary for stage managers in contemporary
entertainment. Fall.

TPP 2110C
CAH-THEA
3(2,2)
Acting I - Introduction: PR: B.F.A. Theatre major,
C (2.0) or better required in THE 2020 or THE 2000.
Development of imagination, self-awareness, and the ability
to execute basic stage tasks. Fall, Spring.

TPA 5029C
CAH-THEA
3(2,2)
Lighting Design Studio: PR: TPA 5042C and TPA
5062C. Advanced work in the process of designing light for
the stage with an emphasis on the use of light as artistic
expression. Occasional.

TPP 2170C
CAH-THEA
3(2,2)
Acting II -The Actor Prepares: PR: “C” (2.0) or
better in TPP 2110C. Fundamental techniques to acting,
with emphasis on characterization and character development. Fall, Spring.

TPA 5042C
CAH-THEA
3(2,2)
Costume Design Studio: PR: Admission to the
graduate program in Theatre or C.I. Project oriented course
in the advance study of Costume Design. Occasional.

TPP 2185
CAH-THEA
3(3,0)
Acting for Non-majors: Introduction to the fundamentals of acting. Fall, Spring.

TPP 3513C
CAH-THEA
2(2,1)
Movement for the Actor II: PR: C (2.0) or better
in TPP 3510C. Reinforcement of the techniques of TPP
3510C. Fall.

TPP 2190L
CAH-THEA
1(0,VAR)
Theatre Participation-Performance I: PR:
Theatre major or minor or department consent. Participation
in UCF Theatre productions. May be repeated for credit 8
times. Fall, Spring. M&S fee $15.00

TPP 3711C
CAH-THEA
2(2,1)
Voice Production II: PR: “C” (2.0) or better in TPP
2710C. Reinforcing stage voice awareness introduced in
TPP 2710C, focusing on a physical approach to acting
texts. Spring.

TPP 2260
CAH-FILM
3(3,0)
Acting for Film: PR: Film Majors. An introduction to
acting for the camera. Occasional.

TPP 3712C
CAH-THEA
2(2,1)
Voice Production III: PR: “C” (2.0) or better in TPP
3711C. Emphasis on study of Shakespearean and heightened language. Fall.

TPP 2700C
CAH-THEA
3(2,2)
Stage Speech/Voice: PR: BA Theatre major or minor
and C (2.0) or better in THE 2000 or THE 2020. Practical
stage voice as it applies to performance. Credit cannot be
applied towards BFA acting and musical theatre majors.
Fall.

TPP 3952L
CAH-THEA
3(0,VAR)
Summer Studio Performance: PR: Audition/
Interview or departmental consent. Participation in UCF
Theatre productions. May be used in the degree program a
maximum of 8 times. Occasional. M&S fee $20.00

TPP 2710C
CAH-THEA
2(2,1)
Voice Production I: PR: BFA acting major. Lessac,
Skinner, phonetics, and the vocal apparatus. Fall.

TPP 4140C
CAH-THEA
3(2,2)
Acting IV - Creating the Role: PR: “C” (2.0) or better in TPP 3172C. Continued exploration and application of
acting techniques through scene study. Fall.

TPA 5175C
CAH-THEA
1(1,1)
Rendering for Theatre II: PR: TPA 5095C. Software
and technology available for visual communication and
documentation. Spring.

TPP 3103
CAH-THEA
3(3,0)
Intermediate Acting: PR: B.A. Theatre Studies major,
BFA Design & Technology major, BFA Stage Management
major or Theatre minor and “C” (2.0) or better in TPP 2101.
Practice and execution of scene work, monologue work, and
exercises. Fall, Spring.

TPP 4142C
CAH-THEA
3(2,2)
Acting Verse: PR: Grade of C (2.0) or better required in
TPP 4140C. Verse drama with particular emphasis placed
on scansion and verse in the plays of William Shakespeare.
Occasional.

TPA 5345C
CAH-THEA
2(2,2)
2D Computer Assisted Design for Theatre:
PR: Admission into the Theatre MFA Design track. TwoDimensional computer drafting and editing techniques
applicable to theatre design. Occasional.

TPP 3172C
CAH-THEA
3(2,2)
Acting III - Building the Character: PR: Grade
of C (2.0) or better required in TPP 2170C. Reinforcement
of acting techniques begun in Acting II, with emphasis on
characterization and character development. Spring.

TPA 5346C
CAH-THEA
2(2,2)
3D Modeling for Theatre: PR: TPA 5345C. Threedimensional computer modeling and editing techniques
applicable for theatre design. Occasional.

TPP 3197L
CAH-THEA
3(0,VAR)
Summer Theatre/Performance: PR: Audition/
Interview or departmental consent. Production assignments
and responsibilities during the rehearsals/performances of
play scripts produced on the UCF mainstage. May be used
in the degree program a maximum of 8 times. Occasional.
M&S fee $20.00

TPA 5062C
CAH-THEA
3(2,2)
Scene Design Studio: PR: Graduate status or C.I.
Advanced work in the conceptualization and communication
of scenic designs for the theatre. Spring.
TPA 5081C
CAH-THEA
3(3,3)
Design Concepts for Youth Theatre: PR:
Admission to the graduate program in Theatre or C.I. A
study of design elements (lighting, costume, set) as they
apply to youth theatre. Odd Spring.
TPA 5085C
CAH-THEA
2(2,2)
Design Seminar for Theatre: PR: Admission into
Theatre MFA Design track. Scenic, costume, lighting and
sound design for theatre. Occasional.
TPA 5095C
CAH-THEA
1(1,1)
Rendering for Theatre I: PR: Admission to the
graduate program in Theatre or C.I. Traditional visual
communication skills necessary for scenic, costume, and
lighting design. Fall.

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TPP 3264C
CAH-THEA
3(3,2)
Acting on Camera: PR: BA Theatre Major; a “C” (2.0)
or better in TPP 2101, TPP 3103, and THE 2020. Preparing
the actor for professional work in the TV/Film industry.
Occasional.
TPP 3310C
CAH-THEA
3(2,2)
Directing for Theatre I: PR: Theatre majors, Junior
Standing, and C (2.0) or better required in THE 3312.
Principles and techniques of play direction to include
script selection, directorial analysis, casting, composition/
picturization, blocking, tempo, and rehearsal planning.
Fall, Spring.
TPP 3510C
CAH-THEA
2(2,1)
Movement for the Actor I: PR: BFA Acting Major.
Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more
expressive body. Fall.

TPP 4143C
CAH-THEA
3(2,2)
Acting Styles: PR: “C” (2.0) or better in TPP 3103 or
TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.
TPP 4193L
CAH-THEA
1(0,VAR)
Theatre Participation-Performance II: PR:
Theatre major or minor and “C” (2.0) or better in TPP
2190L. Participation in UCF Theatre productions. May be
used in the degree program a maximum of 8 times. Fall,
Spring. M&S fee $15.00

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TPP 4221 CAH-THEA 3(3,0)
Auditioning: PR: “C” (2.0) or better in TPP 2170C. Selection: auditions, auditioning techniques and cold readings. Spring.

TPP 4232C 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 4243C CAH-THEA 2(2,2)
Circus Arts: PR: Theatre major or minor: “C” (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA 3(2,2)

TPP 4253C CAH-THEA 3(2,2)
Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and a “C” (2.0) or better in TPP 3258C and TPP 3295C. Advanced work in character portrayal and performance with an emphasis on show preparation. Occasional.

TPP 4259CAH-THEA 2(2,2)
Musical Theatre Voice I: PR: “C” (2.0) or better in TPP 3295C. Diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. Spring.

TPP 4265C CAH-THEA 3(3,2)
camera Acting: PR: “C” (2.0) or better in TPP 4142C. Application of previous acting training to the TV/ Film medium. Occasional.

TPP 4268C CAH-THEA 3(3,2)
Acting VII: Advanced Acting For TV/Film: PR: “C” (2.0) or better in TPP 4265C. A practical, detailed, and structured approach to acting for the camera by working on a TV/Film project. Spring.

TPP 4270C CAH-THEA 2(2,2)
Music Theatre Voice IV: PR: “C” (2.0) or better in TPP 4050C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TPP 4271C CAH-THEA 2(2,2)
Music Theatre Acting II: PR: “B” (3.0) or better grade in TPP 4270C. Continuation of TPP 4270C and its application to music theatre performance. Individualized instruction. Fall.

TPP 4311C CAH-THEA 3(2,2)
Advanced Directing for Theatre: PR: “B” (3.0) or better grade in TPP 3310C. Practical experience directing class scenes and projects. Spring.

TPP 4512C CAH-THEA 2(2,2)
Stage Combat: PR: BFA Acting or Musical Theatre major; grade of “C” (2.0) or better in TPP 3711C, and Senior standing. Stage combat with emphasis on hand-to-hand combat. Occasional.

TPP 4513C CAH-THEA 2(2,1)
Period Movement: PR: Grade of C (2.0) or better required in TPP 3112C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4730C CAH-THEA 2(2,1)
Diacticts: PR: Grade of “C” (2.0) or better required in TPP 3711C. Analysis of dialects and regionalisms, reinforcing the study of phonetics, placement, and vocal apparatus. Occasional.

TPP 4746C CAH-THEA 2(2,2)
Music Theatre Repertoire: PR: Theatre major and grade of “C” (2.0) or better in TPP 3257C. Advanced musical theatre repertoire study in preparation for professional auditions. May be used in the degree program a maximum of 6 times. Occasional.

TPP 4923C CAH-THEA 2(2,2)
Musical Theatre Voice IV: PR: “C” (2.0) or better in TPP 4922C. Continuation of diagnosis and development of the singing voice using patter song, in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. Fall.

TPP 4940L CAH-THEA 6(0,VAR)

TPP 5125C CAH-THEA 2(2,2)
Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA 3(2,2)
Acting Studio II: PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

TPP 5157C CAH-THEA 2(2,2)
Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1850-) European playwrights with emphasis on the works of Ibsen/Chekhov/Shaw. Spring.

TPP 5246C CAH-THEA 2(2,2)
Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

TPP 5248C CAH-THEA 2(2,2)
Storytelling as a Theatrical Art Form: PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. Spring.

TPP 5273 CAH-THEA 2(2,0)
Musical Theatre Acting I: PR: TPP 5157C. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. Occasional.

TPP 5289C CAH-THEA 2(2,3)
Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Even Fall.

TPP 5386C CAH-THEA 3(3,3)
Directing for Young Audiences: PR: THE 5910 and THE 5385. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515 CAH-THEA 2(2,0)
Movement Studio II: PR: TPP 5515 or C.I. Principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unarmed combat. Spring.

TPP 5516C CAH-THEA 2(2,1)
Movement Studio II: PR: TPP 5515 or C.I. Principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unarmed combat. Spring.

TPP 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(3,0)
English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 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) who speak languages outside the English language family and are interested in teaching English to Speakers of Other Languages (ESOL) as their second language. Spring.

TSL 4216 CAH-LANG 3(3,0)

TSL 5005 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 State standards regarding cross-cultural communication, ESOL curriculum, methods of teaching ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LANG 3(3,0)
ESL Strategies: PR: Grade of C (2.0) or better. This course will survey cross-cultural communication, teaching strategies, and methods of teaching ESOL to meet the needs of limited English proficient students. Fall.

TSL 5345 ED-TL&L 3(3,0)
Methods of Teaching ESOL: 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. Fall, Spring.

TSL 5380 CAH-LANG 3(3,0)
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 teaching English as a second language. Fall, Spring.

TSL 5625 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. Fall, Spring.
TSL 5940 CAH-LANG 3(3,0)
Issues in TEFL: PR: Graduate status or senior standing or C.I. Considers lexical issues encountered by second language learners; explores best practices for learners and their teachers and examines current research for pedagogical application. Occasional.

TSL 5940 CAH-LANG 3(3,0)

TTE 4274 ECS-CECE 3(3,0)
Transportation in Energy Systems: PR: TTE 3810 with a grade of C (2.0) or better. Topics such as safety, Intelligent Transportation Systems, and airport transportation will be covered. Fall, Spring.

TTE 4601C ECS-CECE 3(2,2)
Urban Systems Design: PR: TTE 3810 with a grade of C (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes, laying out transportation networks, designing of alignments/intersections. Occasional. M&S fee $25.00

TTE 5024 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.

WST 4002 CAH-WOM 3(3,0)
Research in Women and Gender: PR: Graduate standing or C.I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.

WST 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. Fall, Spring.

WST 3015H CAH-WOM 3(3,0)

WST 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.

WST 3371 CAH-WOM 3(3,0)
Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership, obstacles facing women leaders, and learning from women leaders. Occasional.

WST 3460 CAH-WOM 3(3,0)
Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.

WST 3460H CAH-WOM 3(3,0)

WST 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 analysis through service learning and field research. Issues will vary. May be repeated for credit. Occasional.

WST 3522 CAH-WOM 3(3,0)
First and Second Wave Feminisms: PR: ENC 1102. History of Western feminist thought, from the late eighteenth century to the 1990s, through texts by First and Second Wave Feminists. Occasional.

WST 3561 CAH-WOM 3(3,0)
Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.

WST 3621 CAH-WOM 3(3,0)
Theories of Masculinity: PR: ENC 1102. Masculinity from a cross-cultural perspective, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002 CAH-WOM 3(3,0)
Research in Women and Gender: PR: WST 3015 or C.I. Examination of scholars and research in a variety of areas pertaining to the study of women and gender relations. Occasional.

WST 4021 CAH-WOM 3(3,0)

WST 4022 CAH-WOM 3(3,0)

WST 4023 CAH-WOM 3(3,0)

WST 4349 CAH-WOM 3(3,0)

WST 4415 CAH-WOM 3(3,0)

ZOO 3710C COS-BIOL 5(3,6)
Comparative Vertebrate Anatomy: PR: ZOO 3733C. Dissection techniques of the backbone to teach students 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 3733C COS-BIOL 4(3,2)
Exercise Physiology Anatomy: PR: BSC 2010C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&S fee $65.00

ZOO 3736C COS-BIOL 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 4025C COS-BIOL 4(3,3)
Vertebrate Evolution & Ecology: PR: BSC 2010C. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and field work. Occasional. M&S fee $85.00

ZOO 4408 COS-BIOL 4(4,0)

ZOO 4513 CAH-WOM 3(3,0)
Animal Behavior: PR: PCB 304. 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 4704H COM-M&M 4(3,2)
Honors Clinical Neuroanatomy: PR: ZOO 3733C and Honors consent. 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. Occasional.

ZOO 4747C COM-M&M 4(3,1)
Clinical Neuroscience: PR: ZOO 3744 or ZOO 4704C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropathology and neurodiagnostics. Spring.

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-oncology, neuroimmunology, neuropathology 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 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. Occasional. 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 systematica. 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-oncology, neuroimmunology, neuropathology, 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
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, Assistant Professor of Psychology (2010), B.A., M.A., Ph.D. (Bowling Green State University)
CARLSON, 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)
CASSISI, JEFFREY E., Chair and Professor of Psychology (2007), M.A., Ph.D. (University of Florida)
CATASAS, NECATI, Associate Professor of Engineering, Associate Chair (2003), B.S.C.E., M.S., Ph.D. (University of Cincinnati), PE (Florida)
CATO, FARIDA M., Instructor of Writing & Rhetoric (2003), B.A., M.A. (University of Central Florida)
CAVANAGH, THOMAS, Assistant Vice President, Center for Distributed Learning and Assistant Professor of Writing & Rhetoric (2006), B.S., M.B.A., Ph.D. (University of Central Florida)
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 of 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 Pegasus 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 Molecular Biology and Microbiology (2002), B.A., M.S., Ph.D. (Virginia Tech University)
CHEN, HONGHUI, Associate Professor of Finance (2004), B.S., M.S., Ph.D. (Virginia Tech University)
CHEN, PO-JU, Assistant Professor of Hospitality Management (2002), B.A., M.S., Ph.D. (The Pennsylvania State University)
CHEN, QUANFANG, Associate Professor of Engineering and Associate Professor of NanoScience Technology (2001), Ph.D. (Tsinghua University)
CHEN, RUEY-HUNG, Professor of Engineering (1993), B.S., M.S., Ph.D. (University of Michigan)
CHEN, RUEY-HUNG, Professor of Engineering (1993), B.S., M.S., Ph.D. (University of Michigan)
CHEN, RUEY-HUNG, Professor of Engineering (1993), B.S., M.S., Ph.D. (University of Michigan)
CHEN, RUEY-HUNG, Professor of Engineering (1993), B.S., M.S., Ph.D. (University of Michigan)
CHENG, JACK, Associate Professor (2000), Ph.D. (Purdue University)
CHERRYAK, LEONID, Associate Professor of Physics (1999), Ph.D. (Weizmann Institute)
CHEW, LARRY, Associate Professor of Chemistry (1999), B.A., B.S., M.S., Ph.D. (University of Florida)
CHICUREL, STEVEN, Associate Professor of Theatre (2002), B.M., M.M., D.M.A. (University of Kentucky)
CHU, MATHIEU, Lecturer in Psychology (1998), B.A., M.A., Ph.D. (University of California Santa Barbara)
CHINI, JAQUELYN, Visiting Professor of Physics (2010), Ph.D. (Kansas State University)
CHOI, HYOUNG, 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 (1983), B.S., Ph.D. (Clark University)
CHOW, LOUIS C., Interim Chair Professor of Mechanical, Materials, and Aerospace Engineering (1996), A.B., M.S., Ph.D. (University of California, Berkeley)
CHRISTODOLIDES, 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)
CLARK, JAMES, Instructor of History (1966), 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 (2006), 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., M.S., Ph.D. (MIT)
COBY, PETER W., Professor of Public Administration (1985), 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, ILENA, Assistant Professor of Art (2010), Ph.D. (Pennsylvania State University)
COLWELL, JOSHUA, Associate Professor of Physics (2006), Ph.D. (University of Colorado)
COMPSON, JANE, Instructor of Humanities, Philosophy, and Religion (2003), B.A., M.A., Ph.D. (University of Bristol)
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. (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)
CORREIA, EDA M., Assistant Librarian (1999), 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)

GERMAN, DEBORAH, Dean, College of Medicine and Professor of Internal Medicine (2006), M.D. (Harvard University)

GERSTEIN, MARK, Associate Professor of Film (2000), B.A. (University of Chicago)

GESQUIERE, ANDRE J., Assistant Professor of Nanoscience Technology and Joint Assistant Professor of Chemistry (2005), B.S., Ph.D. (University of Leuven, Belgium)

GHASISNEJAD, SHAHRAM, Instructor of Nanoscience Technology and Adjunct Instructor (2005), B.S., Ph.D. (University of Leuven, Belgium)

GIBBS, W. ERNEST, Associate Professor of Economics (1987), B.S., M.B.A., M.A., Ph.D. (Rutgers University)

GIBSON, JANE, Professor of Pathology (2008), Ph.D. (University of Florida)

GIESS, SALLY ANN, Instructor of Communication Sciences and Disorders (2006), B.S., M.A., J.D., Ph.D. (University of Florida)

GILKESON, JAMES H., Associate Professor of Finance (1994), B.S., M.S.M., Ph.D. (Duke University)

GILL, MICHELE G., Associate Professor of Education (2002), B.A., M.A.E., Ph.D. (University of Florida)

GILLIAM, AMY, Adjunct Instructor (2007), Ph.D. (University of Arizona)

GIORDANO, PAUL, Chair and Professor of Italian (2004), B.A., M.A., Ph.D. (Indiana University)

GOLDWATER, PAUL M., Associate Professor of Accounting (1989), B.Com., B.A., M.B.A., Ph.D. (Louisiana State University-Baton Rouge)

GOMEZ, FERNANDO J., Associate Professor of Electrical Engineering and Computer Science (2002), B.A., M.A., M.A., Ph.D. (Ohio State University)

GONZALEZ, AVELINO J., Professor Department of Electrical Engineering and Computer Science (1986), B.S.E.E., M.S.E.E., Ph.D. (University of Pittsburgh), P.E. (Florida)

GONZALEZ, JOSE I., Visiting Instructor of Spanish (2009), B.A., M.A. (Ohio University)


GOODMAN, STEPHEN H., Associate Professor of Management Information Systems (1984), B.S., M.B.A., Ph.D. (Pennsylvania State University)

GORDON, ALI, Assistant Professor of Engineering (2006), B.S., M.S., Ph.D. (Georgia Tech)

GORDON, FON, Associate Professor of History (2001), B.A., M.S.E., Ph.D. (University of Arkansas)

GORMAN, LAUREL, Assistant Professor of Pharmacology (2009), Ph.D. (Louisiana State University)

GOSSELL, SUSAN, Instructor of Health Sciences (Radiologic Sciences) (1990), B.S., M.S. (Florida Institute of Technology)

GOJU, JINHUA, Assistant Professor of Engineering (2007), Ph.D. (Florida State University)

GRAHAM, EMILY, Visiting Assistant Professor (2009), B.A., M.Litt., Ph.D. (University of St. Andrews)

GRAHAM, RITA, General Education Coordinator and Instructor of Communication (2003), B.A., M.A., Ph.D. (University of Florida)

GRAJEDA, ANTHONY, Associate Professor of English (2001), B.A., M.A., Ph.D. (University of Wisconsin-Milwaukee)

GRAUERHOLZ, ELIZABETH, Professor of Sociology (2005), B.A., M.A., Ph.D. (Indiana University)

GRAY, DAVID, Capt, USAF, Assistant Professor of Aerospace Studies (2008), B.A. (George Mason University)

GREENWOOD, ANGELA, Instructor of Communication Sciences and Disorders (2006), B.A., M.A. (University of Central Florida)

GREGG, PAUL, Instructor of Finance (2004), B.S.B.A., M.S. (University of Central Florida)

GRESHAM, REGINA, Associate Professor of Education (2003), B.S., M.A., Ed.S., Ph.D. (University of Alabama)

GRIFFITHS, BARRY, Instructor of Mathematics and Math Lab Director (2002), B.Sc., M.S., M.A. (University of Florida)

GRISET, PAMALA L., Internim Chair, Associate Professor of Criminal Justice (1993), B.A., M.S., Ph.D. (State University of New York at Albany)

GROFF, AMANDA, Instructor of Anthropology (2009), B.A., M.A. (University of Central Florida)

GROSS, ARIANA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (Jacksonville University)

GRULA, RICHARD, Lecturer (2008), B.A., M.S. (University of Central Florida, St. Petersburg)

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)

GUNDERSON, JAYNELL, Assistant Professor of Education (1998), B.A., M.A. (University of Central Florida)

HACKER, TERRY, Assistant Professor of Education (2007), B.S., M.S., Ph.D. (Florida State University)

HARRINGTON, JOSEPH, Associate Professor of Political Science (1972), B.A., Ph.D. (University of North Carolina)

HAY, TADAYUKI, Associate Dean of Administration and Finance, Associate Professor of Hospitality Management (2005), B.S., M.S., MBA, M.P.S., Ph.D. (Cornell University)

HARALAMBOUS, MICHAEL, Assistant Professor Department of Electrical Engineering and Computer Science (1979), B.S., M.S., Ph.D. (George Washington University)

HARAN, KEVIN, Associate Professor of Art (1995), B.A., B.F.A., M.F.A. (University of Tennessee at Knoxville)

HARDEN, 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.A., Ph.D. (University of Houston)

HARRIS, LARI, 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)
UCF Faculty

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)

HASANAT, FAYEZA, Instructor of English (2007), B.A., M.A., Ph.D. (University of Central Florida)

HASKINS, SAL, 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 Florida)

HEAAD, DAVID, Visiting Assistant Professor of History (2010), B.A., M.A., Ph.D. (State University of New York at Buffalo)

HEGLUND, STEPHEN, Instructor, College of Nursing (2004), A.R.N.P., M.S.N. (University of Central Florida)

HEINRICH, HELGE H., Associate Professor of Physics and Secondary Joint Assistant Professor - MIAE (2003), Ph.D. (Federal Institute of Technology)

HEINRICH, MARK, Associate Professor School of Electrical Engineering and Computer Science (2003), B.S., M.S., Ph.D. (Stanford University)

HELSINGER, JIM, Artist 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)

HENNIG, 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)

HICKMAN, JAMES, Professor of Chemistry and Joint Professor of Nanoscience Technology (2004), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

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BANDY, DALTON D., Chairholder, C.G. Avery Professorship, and Professor Emeritus of Accounting (1985), B.S., M.B.A., Ph.D. (University of Texas at Austin)

BARNES, BETH, Vice President Emerita, Office of the President, and Associate Professor of English (1968), B.A., M.A., Ph.D. (University of North Carolina at Chapel Hill)

BARSCH, KARL-HENRICH, Associate Professor Emeritus of French (1977), B.A., M.A., Ph.D. (University of Colorado)

BASS, MICHAEL, Professor Emeritus of Optics (1988), B.S., M.S., Ph.D. (University of Michigan)


BERGNER JR., JOHN F., Professor Emeritus of Health Professions (1975), B.S., M.S.P.H., M.P.H., N.H.A., Ph.D. (University of Maryland)

BLEDSOE, ROBERT L., Professor Emeritus of Political Science (1968), B.A., M.A., Ph.D. (University of Florida)

BLOCK, DAVID L., Director Emeritus, Florida Solar Energy Center and Professor Emeritus of Engineering (1968), B.S., M.S., Ph.D. (Virginia Polytechnic Institute), P.E. (Florida)

BOLTE, JOHN R., Vice President Emeritus for Administration and Finance (1968), B.A., M.A., M.S., Ph.D. (State University of Iowa)

BOSE, SUBIR K., Professor Emeritus of Physics (1987), B.Sc., M.Sc., Ph.D. (University of Allahabad)


BRENNAN, JOHN J., Professor Emeritus of Physics (1988), B.S., M.S., Ph.D. (Georgia Institute of Technology)

BRIGHAM, ROBERT C., Professor Emeritus of Mathematics and Computer Science (1970), B.S., M.S., Ph.D. (New York University)

BURROUGHS, WAYNE A., Professor Emeritus of Psychology (1969), B.A., M.A., Ph.D. (University of Tennessee)

CALLARMIN, WILLIAM G., Associate Professor Emeritus of Management (1972), B.B.A., M.B.A., Ph.D. (Arizona State University)

CARRARA, WILLIAM F., Professor Emeritus of Engineering (1985), B.S., M.S., Ph.D. (University of Illinois), P.E. (California, Florida and Illinois)

COBB, TREVOR, President 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., Professor Emeritus of Management (1968), B.S., M.S., Ph.D. (Ohio State University)

CONGDON, KRISTIN G., Professor Emerita, Philosophy and Humanities (1998), B.A., M.S., Ph.D. (University of Oregon)

CORNELL, RICHARD, Professor Emeritus of Education (1968), B.S., M.S., Ed.D. (Nova University)

Cunningham, Glenn N., Professor Emeritus of Chemistry (1989), B.S., M.S., Ph.D. (North Carolina State University)


Del-Rio, Marcella, Professor Emeritus of Foreign Languages and Literatures (1980), B.A., M.A., Ph.D. (University of California-Irvine)

Denning, Richard G., Professor Emeritus of Engineering Technology (1976), B.M.E., M.S., Ed.D. (University of Georgia), P.E. (Florida, Georgia)

Dutton, Ronald D., Professor Emeritus of Electrical Engineering and Computer Science (1972), B.S., M.S., Ph.D. (Washington State University)


Ennhart, Llewellyn M., Pegasus Professor and Professor Emeritus of Biology (1969), A.B., Ph.D. (Cornell University)

Ellis, Leslie L., Professor Emeritus of Biology (1968), B.S., M.S., Ph.D. (University of Oklahoma)

Eno, Burton E., Professor Emeritus of Engineering (1979), B.S., M.S., Ph.D. (Cornell University), P.E. (Florida)


Evans, Thomas G., Professor Emeritus of Accounting (1990), B.S., M.B.A., Ph.D. (Michigan State University)

Fedler, Frederic E., Professor Emeritus, Nicholson School of Communication (1971), B.S., M.A., Ph.D. (University of Minnesota)


Flick, Robert G., Professor Emeritus of Humanities (1986), B.S., M.A., Ph.D. (University of Florida)

Frederick, Terry J., Professor Emeritus, Film and Digital Media, and Distinguished Service Professor of Computer Science (1975), B.S., M.S., Ph.D. (University of Wisconsin)

Gennaro, Robert N., Associate Director, Burnett School of Biomedical Sciences; Professor Emeritus of Molecular Biology and Microbiology (1970), Ph.D. (Texas A&M University)

Gilson, Richard, Professor Emeritus, Psychology (1985), B.S., M.S., Ph.D. (Princeton University)

Griffith, Harold L., Professor Emeritus of Engineering Technology (1972), B.S., M.S. (Pennsylvania State University), P.E. (Florida)


Hickey, Terry L., Provost and Executive Vice President Emeritus (2003), B.A., M.A., Ph.D. (University of Miami)

Hosler, E. Ramon, Professor Emeritus of Engineering (1978), B.Ch. E., M.S. Ph.D. (University of Illinois), P.E. (Florida)

Hosni, Djehane, Associate Professor Emerita of Economics (1977), B.A., M.A., Ph.D. (University of Arkansas)

Hosni, Yasser A., Professor Emeritus of Engineering (1978), B.S.M.E., M.S., Ph.D. (University of Arkansas), P.E. (Florida)
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 (1989), B.S.E.E., M.S.E., Ph.D. (University of Florida), P.E. (Florida)

MATTsson, GUY C., Professor Emeritus of Chemistry (1969), B.S., Ph.D. (University of Florida)

McCRAYer, 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)

McLELLON, WALDRON, Professor Emeritus of Engineering (2008), B.S., B.C.E., M.C.E., M.S. (Physics), M.S., (Env. Engr.), Ph.D. (Rensselaer Polytechnic Institute)

MCARELLI, 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 (1968), B.A., M.A., Ph.D. (University of Louisville)

MORSE, LUCY C., Associate Professor Emeritus of Engineering Technology (1953), B.S., M.S., Ph.D. (University of Central Florida)

MUKHERJEE, AMAR, Professor Emeritus, Electrical Engineering and Computer Science (1979), B.S., M.S., Ph.D. (University of 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 (1964), B.A., M.A., Ph.D. (University of North Carolina)

OMANS, STUART E., Professor Emeritus of English (1968), B.A., M.A., Ph.D. (Northwestern University)

OSBORNE, JOHN A., Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Kansas State University)

OSTLE, BERNARD, Professor Emeritus of Statistics (1967), B.A., M.A., Ph.D. (Iowa State University)


PANOusIs, PETER, Dean Emeritus, College of Sciences (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., M.M. (Indiana University)

PRITCHARD, ROBERT D, Professor Emeritus, Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)

PRYOR, ALBERT, Professor Emeritus, Communication (1972), B.S., M.A., Ph.D. (University of Michigan)

PYLE, RANSFORD C., Associate Professor Emeritus of Legal Studies (1976), A.B., M.A., J.D., Ph.D. (University of Florida)


ROHTER, FRANK D., Professor Emeritus of Marketing (1972), B.A., M.A., Ph.D. (University of Florida)

ROHrer, Frank D., Professor Emeritus of Marketing (1972), B.A., M.A., Ph.D. (University of Florida)

RUBIN, RONALD S., Professor Emeritus of Marketing (1972), B.A., M.A., Ph.D. (University of Massachusetts)

SALTER, JOHN H. III, Chairholder, Ernst & Young Professorship and Professor Emeritus of Accounting (1975), B.S., M.S., Ph.D. (Louisiana State University)

SCHIFFHORST, GERALD J., Professor Emeritus of English (1970), B.S., M.A., Ph.D. (Washington University)


SHERWOOD, HOWARD, Professor Emeritus of Mathematics (1969), B.S., M.S., Ph.D. (University of Arizona)

SHOFNER, JERRELL H., Professor Emeritus of History (1972), B.S., M.S., Ph.D. (Florida State University)

SILVAFIELD, 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)


SNElSON, FRANKLIN F., JR, Professor Emeritus of Biology (1970), B.S., Ph.D. (Cornell University)

SOMERVILLE, P. ALAN, Professor Emeritus of Statistics (1972), B.Sc., Ph.D. (University of North Carolina)

SORG, STEVEN E., Associate Professor Emeritus of Education (1979), 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 EECs (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)

SWEET, RENRON C, Associate Dean, College of Sciences, and Professor Emeritus of Biology (1971), B.S., Ph.D. (Sacramento University)

TAYLOR, JAMES S., Professor Emeritus of Engineering (1977), B.A., M.S., Ph.D. (University of Florida), P.E. (Florida)

TAYLOR, K. PHILLIP, Professor Emeritus of Communication (1970), B.A., Ph.D. (Indiana University)

TAYLOR, MICHAEL D., Professor Emeritus of Mathematics (1969), 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)

TEsORI, ANTHONY P., Professor Emeritus of Education and Director Brevard Campus (1970), B.S., M.A., Ed.D. (New York University)

THOMAS, MARGARET H., Professor Emeritus of Psychology (1971), B.A., M.A., Ph.D. (Tulane University)
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ABDELRAHIM, MAEN A., Courtesy Associate Professor Biomolecular Science Center (2006), B.Sc. in Pharmacy, Ph.D. (Texas A&M University, College Station)

AGUARRE, LILLIAN, Courtesy Instructor of Nursing (2009), BS, MS (University of Central Florida)

ANAGNOSTOPOULOS, GEORGIOS, Courtesy Assistant Professor (2007), PSP, M.S., Ph.D. (University of Central Florida)

ANDREWS, LARRY C., Professor Emeritus of Mathematics (1973), B.S., M.S., Ph.D. (Michigan State University)

ARLEN, PHILIP A., Courtesy Assistant Professor (2008), Ph.D.

AWE, JAIME J., Courtesy Professor of Anthropology (2007), Ph.D. (University of London)

BARRY, PAUL, Courtesy Professor (2009), MA, PhD (George Mason University)

BALLANTYNE, JOHN, Associate Professor of Chemistry/Forensic Science (1998), Ph.D. (State University of New York at Stony Brook)

BARRETA-HERMAN, ANGELINE, Courtesy Visiting Professor (2010), B.S., M.B.A., M.S.W., Ph.D. (Masseny University)

BASU, SAPTARSHI, Courtesy Faculty (2010), Ph.D, M.S., B.E. (University of Connecticut)

BEACH, KEVIN, Assistant Research Professor of Biology (2001), B.S., Ph.D. (University of Hawaii at Manoa)

BELFIELD, KEVIN D., Secondary Joint Professor of Optics & Photonics, and Biomolecular Science Center: CREOL & FPCE (1998), Ph.D. (Syracuse University)

BELLO, DAVID, Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (Central University of Venezuela)

BETTINGER, TAMARA, Associate Professor of Biology (2003), (Oklahoma State University)

BIELITZKI, JOSEPH, Secondary Joint Professor Biomolecular Science Center (2006), D.V.M. (University of Illinois at Urbana-Champaign)

BILLINGS, JOSEPH B., Clinical Faculty, Athletic Training; Courtesy Assistant Professor of Orthopaedic Medicine/ D.O. (Philadelphia College of Osteopathic Medicine)

BONDAR, MYKHAIL, Visiting Assistant Professor of Chemistry, B.S., M.S., Ph.D. (Institute of Physics, Kiev, Ukraine)

BOWMAN, REED, Courtesy Faculty (2010), B.A., M.S., Ph.D. (University of South Florida)

BRANCH, LEONARD, Courtesy Clinical Assistant Professor of Psychology (2009), BA, MA, PhD (University of Kansas)

BRUNELL, MARY LOU, Instructor, College of Nursing (1980), M.S.N. (University of Pennsylvania)

CALESTANI, CRISTINA, Secondary Joint Assistant Professor of Biomolecular Science Center (2003), Ph.D. (University of Parma, Italy)

CAMDESSANNE, JEAN-PHILIPPE, Courtesy Visiting Scientist - Biomolecular Science Center (2007), M.S., M.D. (Claude Bernard University, Lyon France), Advanced degree in neurosciences (Claude Bernard University, Lyon France)

CHALAVI, ALI, Courtesy Associate Professor of Neurosurgery (2007)

CHANG, NI-BIN, Secondary Joint Professor of Industrial Engineering and Management Systems (2009), BS, MS, PhD (Cornell University)

CHEN, PHILLIP, Courtesy Assistant Professor of Molecular Biology and Microbiology (2002), M.D. (University of Alabama at Birmingham)

CHITICK, ELIZABETH, Assistant Research Professor of Biology (2002), (Tufts University)

CHOW, LOUIS C., Secondary Joint Professor of Optics & Photonics (2005), M.S., Ph.D. (University of California, Berkeley)

COBB, KATHY, Courtesy Adjunct Instructor, Educational Research, Technology, and Leadership (2007), J.D. (Seton Hall University)

COFFEY, KEVIN, Secondary Joint Professor of Department of Electrical Engineering and Computer Science (2005), B.A., B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

COLUMBUS, GENE, Department of Theatre (2000)

DEATON, JOHN, Assistant Professor of Psychology (1994), B.A., M.A., Ph.D. (Catholic University of America, Washington, D.C.) DeFREES, DUANE, Visiting Associate Scientist and Interim Director, UCF Institute for Environmental Sustainability. (2008), B.S., M.S., Ph.D. (Florida Institute of Technology)

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DEYRUP, MARK, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Washington)

DHER, NEELKANTH, Research Professor of Mechanical Engineering and Secondary Joint Professor of Electrical Engineering and Secondary Joint Professor of Materials Science and Engineering (1990), B.S., M.S., Ph.D. (University of Poona, Pune, India)

DIVO, EDUARDO, Courtesy Faculty (2010), M.S., Ph.D. (University of Central Florida)

DOGARIU, ARISTIDE, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1995), Ph.D. (Hokkaido University)

DOLD, CHRISTOPHER, Courtesy Researcher (2010), B.S., D.V.M. (University of Wisconsin)

DOLISKE, MICHELLE, Courtesy Clinical Assistant Professor of Psychology (2009), B.S., M.A., Ph.D. (University of Alabama at Birmingham)

DOUKAS, MICHAEL A., Courtesy Professor, Health Services Administration; Courtesy Professor of Internal Medicine (2006), B.A., M.P.A., M.D. (Johns Hopkins School of Medicine, Baltimore)

DRAKE, JASON, Courtesy Research Assistant Professor of Biology (2004), B.S., M.S., Ph.D. (University of Maryland)

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DUPRAS, TOSHA LEA, Secondary Joint Assistant Professor of Biology (2003), B.A., M.S., Ph.D. (McMaster University)

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EASTES, RICHARD W., Secondary Joint Assistant Professor of Electrical Engineering (2006), B.S., M.A., Ph.D. (The Johns Hopkins University)

FIELD, MELVIN, Courtesy Associate Professor Biomolecular Science (2006), M.D. (University of Florida), Diplomat of the National Board of Medical Examiners

FOLSE, KEITH, Secondary Joint Associate Professor (2009), M.A., Ph.D. (University of South Florida)

FRANKLIN, RAYMOND, Clinical Faculty, MLS, Department of Molecular Biology and Microbiology; Courtesy Assistant Professor of Pathology (2010), M.D., Ph.D. (University of Texas)

FRIEDMAN, DAVID, Courtesy Adjunct Professor of Biology (2007)

FRISTROM, JAMES W., Courtesy Research Professor of Biology (2004), B.A., Ph.D. (Rockefeller University)

FULLERTON, STUART, Biological Research Associate (1995), B.S. (University of Central Florida)

GARIBAY, IVAN, Secondary Joint Instructor School of Electrical Engineering and Computer Science (2007), Ph.D. (University of Central Florida)

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<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Institution</th>
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<tbody>
<tr>
<td>GESQUIERRE, ANDREQU</td>
<td>Courtesy Appointments</td>
</tr>
<tr>
<td>GHAHARI-TABRIZI, SHARON</td>
<td>Courtesy Research Associate</td>
</tr>
<tr>
<td>GOLDBERG, STEVEN</td>
<td>Courtesy Associate Professor of Psychology; Chief, Orlando Field Unit, US Army Research Institute</td>
</tr>
<tr>
<td>GOLDIEZ, BRIAN</td>
<td>Deputy Director and Principal Investigator of the Institution of Simulation and Training and Secondary Joint Assistant Professor of Industrial Engineering and Management Systems</td>
</tr>
<tr>
<td>GOMEZ, MARIO J.</td>
<td>Associate Professor; Chief, Orlando Field Unit, US Army Research Institute</td>
</tr>
<tr>
<td>GOODWIN, KENNETH</td>
<td>Courtesy Assistant Director, Career Services and Experiential Learning</td>
</tr>
<tr>
<td>GOODMAN, IRA</td>
<td>Courtesy Associate Professor Biomedical Sciences Center</td>
</tr>
<tr>
<td>GUARDIA, LUIS A.</td>
<td>Courtesy Professor, Medical Laboratory Sciences; Courtesy Associate Professor of Pathology</td>
</tr>
<tr>
<td>HEINONEN, OLLE</td>
<td>Associate Professor of Physics</td>
</tr>
<tr>
<td>HERBST, LAWRENCE</td>
<td>Assistant Research Professor of Biology</td>
</tr>
<tr>
<td>HERNANDEZ, FLORENCIO E.</td>
<td>Secondary Joint Assistant Professor of Optics &amp; Photonics</td>
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<tr>
<td>HICKLEY, MICHAEL H.</td>
<td>Associate Professor of Physics</td>
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<tr>
<td>HICKMAN, JAMES</td>
<td>Secondary Joint Professor School of Electrical Engineering and Computer Science</td>
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<td>HICKMAN, JAMES</td>
<td>Secondary Joint Professor School of Electrical Engineering and Computer Science</td>
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<td>HORN, GORDON</td>
<td>Courtesy Clinical Assistant Professor of Psychology</td>
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<tr>
<td>HUANG, XU</td>
<td>Courtesy Visiting Scholar</td>
</tr>
<tr>
<td>HUBSCH, TRISTAN</td>
<td>Courtesy Graduate Faculty Scholar</td>
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<tr>
<td>KACHURIN, ANATOLY</td>
<td>Courtesy Assistant Professor of Molecular Biology and Microbiology</td>
</tr>
<tr>
<td>KAR, ARVINDA</td>
<td>Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science</td>
</tr>
<tr>
<td>KELLY, DANIEL P.</td>
<td>Courtesy Professor of Biomedical Sciences, Biomedical Science Center</td>
</tr>
<tr>
<td>KENNEDY, ROBERT S.</td>
<td>Professor of Psychology</td>
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<tr>
<td>KENNY, ROBERT F.</td>
<td>Assistant Professor of School of Film and Digital Media and Secondary Joint Assistant Professor of Educational Research, Technology, and Leadership</td>
</tr>
<tr>
<td>KIM, JONG</td>
<td>Courtesy Research Scientist</td>
</tr>
<tr>
<td>KINCAID, J. PETER</td>
<td>Professor of Psychology</td>
</tr>
<tr>
<td>KRMU, LINDA</td>
<td>Courtesy Adjunct Instructor, Educational Studies</td>
</tr>
<tr>
<td>KUXMA, MELISSA</td>
<td>Courtesy Visiting Scientist</td>
</tr>
<tr>
<td>KYLE, TIFFANY LINKOVICH</td>
<td>Courtesy Research Assistant Professor of Psychology</td>
</tr>
<tr>
<td>LEE, HAEJONG</td>
<td>Courtesy Research Associate in Public Affairs</td>
</tr>
<tr>
<td>LERNER, JEFFREY</td>
<td>Clinical Professor in Communication Sciences and Disorders; Courtesy Assistant Professor of Otolaryngology</td>
</tr>
<tr>
<td>LEWENBERGER, MICHAEL N.</td>
<td>Secondary Joint Assistant Professor of Electrical and Computer Engineering</td>
</tr>
<tr>
<td>LIEBMAN, R. JANE</td>
<td>Chair and Professor of Communication Sciences and Disorders</td>
</tr>
<tr>
<td>LIM, KIN-WEA</td>
<td>Professor of Electrical and Computer Science</td>
</tr>
<tr>
<td>LILY, JOYCE R.</td>
<td>Associate Professor of Political Science</td>
</tr>
<tr>
<td>LOGALBO, ANTHONY</td>
<td>Courtesy Clinical Assistant Professor of Psychology</td>
</tr>
<tr>
<td>LOUGNICH, BARRY A.</td>
<td>Clinical Faculty, Health Services Administration; Courtesy Associate Professor of Medical Education</td>
</tr>
<tr>
<td>MARTIN, LAWRENCE</td>
<td>Professor, Public Administration and Public Affairs, Joint Appointment</td>
</tr>
<tr>
<td>MARTIN, SCOTT</td>
<td>Courtesy Faculty</td>
</tr>
<tr>
<td>MEDIN, A. LOUIS</td>
<td>Professor of Engineering</td>
</tr>
<tr>
<td>MEKES, SANFORD</td>
<td>Courtesy Graduate Faculty Scholar</td>
</tr>
<tr>
<td>MELLN, JILL</td>
<td>Assistant Research Professor of Biology</td>
</tr>
<tr>
<td>MENDES, ERIC</td>
<td>Assistant Professor of Biology</td>
</tr>
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<td>MHI, FLORIN</td>
<td>Secondary Joint Assistant Professor</td>
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<td>MILLIS, HARRY</td>
<td>Courtesy Clinical Assistant Professor of Psychology</td>
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<td>NADLER, JODI</td>
<td>Courtesy Clinical Assistant Professor of Biology</td>
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<td>NICOLS, JAMES</td>
<td>Courtesy Professor of Biology</td>
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<tr>
<td>NICHOLSON, DENISE</td>
<td>Secondary Joint Assistant Professor of Industrial Engineering and Management Systems</td>
</tr>
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<td>ODELL, DANIEL KEITH</td>
<td>Professor of Biology</td>
</tr>
<tr>
<td>OGDEN, JACQUELINE J.</td>
<td>Assistant Research Professor of Biology</td>
</tr>
<tr>
<td>ONEAL, THOMAS</td>
<td>Secondary Joint Assistant Professor</td>
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<tr>
<td>ONEAL, THOMAS</td>
<td>Secondary Joint Assistant Professor</td>
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<tr>
<td>OSU, JASON</td>
<td>Courtesy Professor of Molecular Biology and Microbiology</td>
</tr>
<tr>
<td>ONSK, GARY M.</td>
<td>Clinical Faculty, Physical Therapy; Professor of Radiology</td>
</tr>
<tr>
<td>PARKINSON, CHRISTOPHER</td>
<td>Assistant Professor of Biology</td>
</tr>
<tr>
<td>PATTISAPU, JOGL</td>
<td>Courtesy Assistant Professor of Molecular Biology and Microbiology</td>
</tr>
</tbody>
</table>

**University of Central Florida**

524 Undergraduate Catalog 2011-2012
PEALE, ROBERT E., Secondary Joint Professor of Optics & Photonics. (2004), B.A., M.S., Ph.D. (Cornell University)
PHANSTIEL, OTTO, Associate Professor of Chemistry (1995), Ph.D. (University of Florida)
PHILLIPS, RONALD, Courtesy Visiting Scholar (2010), Ph.D. (Arizona State University)
PHILLIPS, RONALD L., Secondary Joint Professor of Optics & Photonics. (2004), B.S.E, M.S.E., M.A., Ph.D. (Arizona State University)
PICOU, STEVEN, Courtesy Professor of Sociology (2004), B.A., M.A., Ph.D. (Louisiana State University)
PRITCHARD, PETER C. H., Professor of Biology (1994), B.A., M.A., Ph.D. (University of Florida)
PROVENCER, DAVID, Courtesy Faculty Research Associate (2009), B.S. (University of Central Florida)
PURRENSKY, KERRY, Secondary Joint Associate Professor (2009), M.S., Ph.D. (Southern Illinois University)
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REDFOOT, WILLIAM, Research Associate in Biology (1999), B.A., M.A., M.S. (University of Central Florida)
REED, JOHN, Courtesy Professor, College of Medicine (2006), M.D., Ph.D., B.A. (University of Pennsylvania)
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RIVERS, ROSE, Nursing Thesis Committee Coordinator (2010), Ph.D. (University of Florida)
RONEN, ADI, Visiting Researcher (2010), Ph.D. (University of Negev)
SALISBURY, BRIAN, Courtesy Adjunct Faculty - Art (2008)
SCHNEIDER, KIMBERLY, Research Assistant Professor (2009), B.S., Ph.D. (University of South Carolina)
SCHULTE, ALFONS, Secondary Joint Associate Professor of Optics & Photonics. (2004), Dr. rer. nat. Technische Universität Munich
SCHUTZ, LARRY, Courtesy Clinical Professor (2007), Ph.D., ABPP
SCHUTZ, LARRY, Assistant Professor of Optics and Photonics (1986), B.E., M.S., Ph.D. (Wayne State University)
SHERIN, KEVIN, Courtesy Associate Professor of Public Affairs; Courtesy Associate Professor of Family Medicine (2006), B.A., M.P.H., M.D. (Loyola University of Chicago Stritch School of Medicine)
SHERMAN, JAY DAVIN, Courtesy Adjunct Instructor (2006), Ph.D. (Texas A&M University)
SHI, RONGSHENG, Courtesy Visiting Scholar (2010), M.A. (Jinan University)
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SHUMAKER, RANDALL P., Secondary Joint Professor Department of Electrical Engineering and Computer Science (2004), Ph.D. (University of Pennsylvania)
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STANNEY, KAY, Courtesy Faculty (2010), Ph.D. (Purdue University)
STEPHAN, MICHELLE, Courtesy Graduate Faculty Scholar (2009), B.S., M.S., Ed.D. (Vanderbilt University)
STERN, ALAN, Courtesy Graduate Faculty Scholar (2009), B.S., B.S., M.S., Ph.D. (University of Colorado)
STERN, JONATHAN S, Assistant Professor of Biology (2002), B.A., M.A., Ph.D. (Texas A&M University)
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STOLEN, ERIC, Courtesy Assistant Research Professor of Biology (2010), B.S., M.S., Ph.D. (University of Florida)
STRAZLIER, JAMIE, Courtesy Adjunct Instructor (2009), B.M., M.M. (University of South California)
SULLIVAN, JEROME L., Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (University of Florida College of Medicine)
SUMMY, JUSTIN M., Courtesy Assistant Professor (2007), Ph.D. (West Virginia University)
SWEENEY, PAUL D., Professor of Psychology (1999), M.S., Ph.D. (Indiana University)
THEIS, ELIZABETH, Courtesy Instructor (2010)
THOMPSON, CHARLES, Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (University of Miami School of Medicine)
VAHAMA, SAMI, Finance Visiting Scholar (2010), Ph.D. (University of Vaasa)
VALDES, EDUARDO V., Associate Research Professor of Biology (2002), M.S., Ph.D. (University of Guelph)
VAN STRYLAND, ERIC W., Dean and Director, Professor of Optics (1987), B.S., Ph.D. (University of Arizona)
VITANOVA, GERGANA, Secondary Joint Associate Professor (2009), M.A., Ed.D. (University of Cincinnati)
WARREN, WILLIAM, Courtesy Assistant Professor of Molecular Biology and Microbiology (2006), Ph.D. (Pennsylvania State University)
WASHINGTON, KEVIN, Courtesy Consultant, Internal Title: Professional Development Appointee (2009), Ph.D. (Texas A&M University)
WATSON, STEPHEN M., Secondary Joint Assistant Professor School of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (University of Nottingham)
WEEKS, ARTHUR, Secondary Joint Associate Professor of Optics & Photonics. (2004), B.S., M.S.E.E., Ph.D. (University of Central Florida)
WESTERVELD, MICHAEL, Courtesy Clinical Assistant Professor of Psychology (2009), B.S., Ph.D. (Fairleigh Dickinson University)
WHEELER, RAYMOND, Professor, Biology (2003), (Utah State University)
WHITCOMB, CARRIE, Professor of Forensic Science (1999), B.S., M.S.F.S. (George Washington University)
WIEGAND, RUDOLF, Secondary Joint Assistant Professor of Electrical Engineering and Computer Science (2007), Ph.D. (George Mason University)
WILLIAMS, LANA, Courtesy Assistant Professor (2010), Ph.D. (University of Western Ontario)
WILLIS, JAYNE, Courtesy Clinical Faculty, College of Nursing (2005), B.S.N., M.S.N. (University of Florida)
WITHERINGTON, BLAIR ERNEST, Research Assistant Professor, Biology (1999), B.S., M.S., Ph.D. (University of Florida)
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)

Azur, 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, Student Financial Assistance, Western Region (2007), B.A., M.S. (Iona College)

Bamberger, Alice, Director, Student Financial Assistance, Western Region (2007), B.A., M.S. (Iona College)

Barden, M. Paige, Assistant Vice President, Institutional Knowledge Management, and University Data Administrator (1996), B.A., M.B.A., Ed.D. (University of Central Florida)

Baylor, Linda, Director, Fraternity and Sorority Life (2004), B.S., M.S. (Western Illinois University)

Boyd, Brian, University Registrar (2009)

Bradford, Deborah, Director, Enrollment Services, UCF Regional Campuses (2010)

Bradley, Linda, Assistant Vice President and Director, UCF Daytona Beach (2007), B.A., M.S., Ph.D. (Florida State University)

Brady, Pamela A., Director, Student Services, Western Region (1990), A.A., B.A. (University of Central Florida)

Bulger, Sandra, Director of Undergraduate Services (1989), B.A., M.A. (University of Central Florida)

Chand, 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., Senior Administrative Assistant to the President (1972), A.A. (Becker Junior College)

Clark, Tracy, University Controller (2007), B.B.A., J.D. (University of Cincinnati)

Cole, W. Scott, Vice President & General Counsel (2002), B.S., J.D. (University of Delaware)

DeBerry, Barry, Director, Facilities Planning (2010), B.D., M.B.C.N. (University of Florida)

Donegan, Helen, Vice President for Community Relations (1995), B.A. (San Jose State University)

Dorman, Teresa, Assistant Dean, College of Sciences (1996), B.S., M.A., Ed.D. (UCF)

Dorner, Joyce E., Interim Vice Provost of Regional Campuses (2010), M.S.N. (University of Florida)

Dressler, Sheri, Director, Experiential Learning (1982), B.A., M.S.W., Ph.D. (University of Florida)


Ehazs, MariBeth, Vice President for Student Development and Enrollment Services (1994), B.A., M.A., Ph.D. (University of Toledo)

Ekern, Sharon L., Associate Vice President, Student Development and Enrollment Services (1990), B.A., M.P.A., Ed.D. (University of Central Florida)

Exum, Terry, Director, Student Services, Southern Region (2006), B.S., M.A. (Louisiana Tech University)

Fernandez, Joe, Dean, Professor of Spanish and History (1981), B.A., M.A., Ph.D. (The Florida State University)

Fortier, Vanessa, Associate Vice President, Finance (1996), B.S.B.A., 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. (Benfley 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)


Hartzler, Christi A., Director, Housing and Residence Life (1982), B.A., M.Ed. (University of Miami)

Helms, Terrence K., Associate Vice President, University Marketing (2005), B.S., M.B.A. (Rollins College)

Henry, Kirk, Director I.T. Services, UCF Regional Campuses (2010)

Heston, Grant J., Assistant Vice President, News and Information and UCF TV (2007), B.S. (University of Florida)

Hill, Helen, Director of Advising, UCF Regional Campuses (2010)

Hitt, John C., President of the University, Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)

Holmes, Stephen, Intern Interim Assistant Vice President, Academic Initiatives - UCF Regional Campuses (1997), B.S., M.A., Ph.D. (University of Cincinnati)

Holmes Jr., Robert J., Vice President for Alumni Relations and Development and Chief Executive Officer, UCF Foundation (1998), B.A., M.A. (University of Maine)

Holzenbeck, Daniel C., Vice President for University Relations, Senior Counsel to the President, and Director, Governmental Relations (1985), B.S., M.E.D., Ph.D. (Florida State University)

Hope, Thomas L., Creative Director, University Marketing (2005), M.F.A., M.B.A. (University of Central Florida)

Howse, Mark, Coordinator of Accreditation and Program Approval (2010), B.S., M.S., Ph.D. (Florida State University)

Huff-Corzine, Lin, Associate Vice Provost, Academic Affairs, and Professor of Sociology (1996), R.N. B.A., Ph.D. (Washington University in St.Louis)

Jackson, 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. (Northwestern University)

Jones, Tracy R., Assistant Dean, Graduate Admissions, Student Services, and recruiting, College of Graduate Studies (1995), B.A., M.A. (University of Central Florida)

Juntunen, Dana, Director, Office of Student Conduct (2003), B.A., M.Ed. (James Madison University)

Karneek, Lee, Associate Vice President, Facilities and Safety (2007), B.M., M.P.A. (Harvard University)


Knighton, Fred R., Associate Vice President, University Relations (2003), B.A., M.S. (Florida State University)

Lacey, Patrice, Director, Operational Excellence and Assessment Support (2001), B.A., M.A., Ph.D. (Wayne State University)

Laney, David, Associate Vice President, Business Affairs and Operations, UCF Regional Campuses (2008)

Larkin, Robert, Director, Admissions, College of Medicine (2007), B.A. (University of South Florida)

Larson, Paul F., Assistant Dean of Research and Academic Issues (2005), B.A., M.F.A. (Lindenwood University)

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LEISING, DONNA, Executive Director/UCF Academy (1993), B.A.Ed., M.Ed. (University of Central Florida)
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MacKOWN, PATRICIA A., Assistant Vice President, Student Development and Enrollment Services (1979), B.A., M.A. (University of Central Florida)
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McCLOUD, REBEKAH, Director, Student Development and Enrollment Services (2009), B.S., M.B.A. (University of North Carolina)
MINER, DAVID, Associate Vice President, Student Life (2009), B.A., M.S. (University of Georgia)
MERCK, II, WILLIAM F., Vice President for Administration and Finance, and CFO (1996), B.B.A., M.B.A. (Georgia State University)
MESSINA, THOMAS, Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association (1992), B.S., M.B.A. (Embry Riddle Aeronautical University)
MODIANOS, DOAN T., Associate Vice President, Strategic Planning (2006), Ph.D. (Texas Christian University)
MONROE, JUDITH E., Associate Vice President, University Support (1978), B.S., M.A. (University of Central Florida)
MOON, RHONDA, Director, Creative School for Children (2009)
MULLALLY, KAY, Security Officer, Certified Facility Security Officer (Defence Security Service) (1986)
NEIGHBOR, J. EDWARD, Vice Provost, Academic Administrative Systems, and Professor of Physics (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
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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., M.B.A., Ph.D. (University of Central Florida)
OCKENLON, STEPHEN, Director, First Year Advising and Exploration (2003), B.A., M.A. (Ohio State University)
OKHARA, BARBARA, Director, Health Sciences Campus Operations, College of Medicine (2006), M.F.A. (Rollins College)
OMLI, STEVE, Director, Finance and Accounting, College of Medicine (2009), M.B.A. (University of North Carolina)
ORT, GLENNIA, Assistant Vice President, Community Relations (1999), B.A. (University of Central Florida)
PATE, 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. (Pittsburg State University)
PETKOV, ANA, Director, Constituent Relations (2008)
PIETY, REBECCA, Director, University Testing Services (1998), B.A., M.A. (University of Central Florida)
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PRESTON, MICHAEL, Director, Office of Student Involvement (2011), B.A., M.S. (Southern Illinois University - Carbondale)
PRIEST, DeLAINIE, 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.A., M.Ed. (Florida A&M University)
REA, PAMELA, Director, Student Disability Services (2008), B.A., M.Ed. (National-Louis University)
REDICK, ALZO J., Director, Special Programs and Defense Transition Services (1990), B.S., M.E., Ed.D. (Nova Southeastern University)
REED, HAL C., Assistant Vice President for Planned Giving (2000), B.A., J.D. (University of Kansas)
RITCHIE, JOE, Executive Director, First Year Experience (2000), B.A., M.A. (Indiana University of Pennsylvania)
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Selin, Basma, Director, Analysis, Planning and Accreditation, College of Medicine (2005), Ph.D. (University of Central Florida)
Shiver, Lauren A., Assistant Vice President for Advancement Services (2002), A.A., B.B.A., M.B.A. (Valdosta State University)
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SOILEAU, MARION J., Vice President, Research & Commercialization and Professor of Optics & EECs (1987), B.S., M.S., Ph.D. (University of Southern California)
STEBBINS, CONSUELO, Assistant Vice President, Office of the President (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. (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. (Sacramento State University)
Thomas, Carlee, Director, Development, Burnett School, College of Medicine (2008), M.A. (University of Central Florida)
Tomei, Lance, Director of Assessment, Accreditation, and Data Management (2000), B.A., M.B.A., MS, Ed.D. (University of Central Florida)
Trees, Diane, Associate Vice President, Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)
TRIBBLE, KEITH, Director, Athletics and Executive Vice President of UCF Athletics Association (2006), B.S. (University of Florida)
Trivedi, Shreya, University Ombuds Officer (2011)
Truman, Barbara, Director, Course Development and Web Services (1996), B.A., M.A. (University of Central Florida)
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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)


WEIDMAN, 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)

WITHINGTON, 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)

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ZUGELDER, BRYAN, Director of Clinical Experiences (2005), B.S., M.S., M.A., Ed.D. (Nova Southeastern University)
<table>
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<td></td>
<td>William H. Dial, Doctor of Commercial Science</td>
<td>May 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
<td></td>
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</tr>
<tr>
<td>August 1978</td>
<td>Richard F. Livingston, Doctor of Business Administration</td>
<td>April 1996</td>
<td>Nicolaas Bloembergen, Doctor of Science</td>
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<td></td>
<td>Lee R. Scherer, Doctor of Engineering Science</td>
<td>May 1997</td>
<td>Maxwell C. King, Doctor of Public Service</td>
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<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>May 2001</td>
<td>Richard M. DeVos, Sr., Doctor of Commercial Science</td>
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<td>Ferdinand Duda, Doctor of Agricultural Service</td>
<td>October 2002</td>
<td>Reubin O’D. Askew, Doctor of Public Service</td>
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<tr>
<td>July 1982</td>
<td>John Duda, Doctor of Agricultural Service</td>
<td>November 2002</td>
<td>Lotfi Zadeh, Doctor of Science</td>
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<tr>
<td>December 1982</td>
<td>Mary Jo Davis, Doctor of Public Service</td>
<td>December 2002</td>
<td>Richard M. Karp, Doctor of Science</td>
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<td>William E. Davis, Doctor of Public Service</td>
<td>May 2002</td>
<td>Joseph F. Traub, Doctor of Science</td>
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<td>George J. Becker, Jr., Doctor of Public Service</td>
<td>December 2004</td>
<td>Albert Burnett, Doctor of Commercial Science</td>
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<td>Jerry Collins, Doctor of Public Service</td>
<td>December 2004</td>
<td>G. Vince Amico, Doctor of Science</td>
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<td>D. Robert Graham, Doctor of Public Service</td>
<td>December 2004</td>
<td>Lester Mandell, Doctor of Commercial Science</td>
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<td>John D. Holloway, Doctor of Public Service</td>
<td>May 2009</td>
<td>Howard Lance, Doctor of Science</td>
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<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
<td>May 2009</td>
<td>Jerry S. Roth, Doctor of Commercial Science</td>
<td></td>
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<tr>
<td>May 1989</td>
<td>Frank M. Hubbard, Doctor of Public Service</td>
<td>May 2009</td>
<td>Jerry S. Roth, Doctor of Commercial Science</td>
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### UCF Glossary

**A.A.:** Associate in Arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.  
**Accreditation:** Certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.  
**ACT:** American College Testing program is used for undergraduate admission purposes.  
**Add:** Online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.  
**A.S.:** Associate in Science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.  
**ASSA:** Academic Services for Student Athletes.  
**Audit (course):** To attend classes without receiving academic credit.  
**Audit (Degree):** Computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)  
**BA:** Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.  
**Baccalaureate or Bachelors Degree:** Completion of all university and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).  
**BHC:** Burnett Honors College  
**Breaking Catalog:** Loss of eligibility to follow graduation requirements in a specific catalog.  
**BSBS:** Burnett School of Biomedical Sciences.  
**CAH:** College of Arts and Humanities.  
**Catalog:** Resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu.  
**Catalog Year:** The edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.  
**CBA:** College of Business Administration.  
**CECS:** College of Engineering and Computer Science.  
**CED:** College of Education.  
**Certificate:** Special program of study supplemental to a major.  
**Ct:** Consent of instructor.  
**Class Schedule Search:** A component of the online myUCF system (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 communicative and mathematics skills.  
**CLAS Alternative:** Refers to another way of satisfying one or more subtests of the CLAS requirement through combination test scores (SAT or ACT) and specific course grades.  
**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.  
**Continuing 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 to attend classes without receiving academic credit.  
**Curriculum requirements in a specific catalog.**  
**Degree:** Degree designed to prepare students to enter a wide variety of careers.  
**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 offers opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.  
**Double Major:** Awarded when the student concurrently satisfies requirements for two majors.  
**Drop/Swap:** A student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s permanent record. Students are not fee liable for dropped courses.  
**Elective:** Any course not required as part of the General Education Program or as part of your major/minor.  
**E-mail:** Primary official means of communication with students regarding University business and information.  
**Enrollment:** The act of registering in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges' advising offices.  
**Enrollment Certification:** An official University document that provides a student’s enrollment history including status, dates enrolled, and degrees awarded, available online at https://my.ucf.edu in Student Self Service.  
**Equipment Fee:** A charge associated with some majors to cover the use and replacement of equipment.  
**Excluded:** A student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.  
**Fee Invoice:** A printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.  
**Freshman and Sophomore Courses:** Lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.  
**FTIC:** Abbreviation for “First Time In College,” referring to those students who 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.  
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**UCF Glossary**: This glossary includes definitions of terms related to the University of Central Florida (UCF) and its academic programs. The glossary covers a wide range of topics, from academic requirements to administrative policies, and is intended to provide students with the information they need to succeed at UCF.  

**Catalog:** The official guide to UCF’s academic programs, including course descriptions, degree requirements, and contact information for the various schools and colleges. The catalog is available online and is updated annually.  
**Course:** A class at UCF that focuses on a specific topic or subject area. Courses are typically organized by semester and are offered in various formats, including lecture, laboratory, and online.  
**Degree:** A formal certification授予 students for successful completion of a course of study that meets certain academic requirements. Degrees are awarded at the bachelor’s, master’s, and doctoral levels.  
**Enrollment:** The act of registering in classes and paying associated fees. Enrollment is typically handled online through the myUCF system.  
**GPA:** A measure of academic performance calculated by dividing the total number of grade points earned by the total number of hours attempted. GPA is used to determine academic standing and eligibility for various opportunities.  
**UCF Virtual Campus:** A platform that allows students to access course materials, communicate with instructors, and manage their academic progress online. The UCF Virtual Campus is a central tool for distance learning and online study.  
**Web Enrollment Audit:** A tool that allows students to check their academic progress and ensure they are on track to meet their degree requirements. The audit provides a summary of completed courses and future requirements, helping students plan their academic path.  

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**For more information, please visit the Undergraduate Catalog 2011-2012 at [UCF Website](https://my.ucf.edu).**
Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: a charge associated with some courses to cover items consumed within the class.

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 enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: There may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All eleven Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them “quarters.” UCF is on the semester system; however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see “Repeat Surcharge.”

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: Time Shortened Degree or Accelerated Education Opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

VARC: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student disabilities services, counseling services, and various other programs and services for student veterans.

Web Enrollment Guide: online at http://registrar.ucf.edu/weg/. Provides the “Academic Calendar,” guides to registering online, Class Schedule Search and the Fee Invoice, and contains the policies that govern course registration. Each term’s class listings are available only online through myUCF Class Schedule Search at https://my.ucf.edu.

Withdrawal, Withdraw from a Course: to formally request an official departure from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office. Students are still responsible for tuition and fees for withdrawn courses.
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