The UCF Creed

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

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

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

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

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

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

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

UCF Stands For Opportunity
Mission Statement

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

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

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

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

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

UCF faculty members and staff members are here to help you to learn, to grow, and to excel. Upon graduation, you will join the more than 200,000 alumni whose lives have been enhanced by their UCF experience.

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

Cordially yours,

John C. Hitt
President
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Assistant Vice President, Facilities ................................................................. David Novelle
Assistant Vice President, Finance and Controller ...................................... Tracy Clark
Assistant Vice President, Safety and Chief of Police .................................. Richard Beary
Director, Business Services .......................................................................... Peggy Houise
Director, Emergency Management and Safety .......................................... Thomas Briggs
Director, Facilities Operations ....................................................................... TBA
### Summer 2013 ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Session</th>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
<th>Session D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dates</td>
<td>May 13 - June 21</td>
<td>June 24 - August 2</td>
<td>May 13 - August 2</td>
<td>May 13 - July 12</td>
</tr>
<tr>
<td>6 Weeks</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
</tr>
<tr>
<td>12 Weeks</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
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<tr>
<td>9 Weeks</td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
</tr>
<tr>
<td>Graduation Application</td>
<td>Mar. 4 - Apr. 26</td>
<td>Mar. 4 - Apr. 26</td>
<td>Mar. 4 - Apr. 26</td>
<td>Mar. 4 - Apr. 26</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>April 26</td>
<td>June 14</td>
<td>April 26</td>
<td>N/A</td>
</tr>
<tr>
<td>Registration 1,2</td>
<td>Mar. 18 - May 12</td>
<td>Mar. 18 - June 23</td>
<td>Mar. 18 - May 12</td>
<td>Mar. 18 - May 12</td>
</tr>
<tr>
<td>Registration for State Employees, UCF Employees, UCF Athletics Employees, Non-Degree, Transients and Audits</td>
<td>May 10</td>
<td>June 21</td>
<td>May 10</td>
<td>May 10</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits</td>
<td>May 10</td>
<td>June 21</td>
<td>May 10</td>
<td>May 10</td>
</tr>
<tr>
<td>On-campus Housing opens</td>
<td>May 12</td>
<td>June 21</td>
<td>May 12</td>
<td>N/A</td>
</tr>
<tr>
<td>Classes begin</td>
<td>May 13</td>
<td>June 24</td>
<td>May 13</td>
<td>May 13</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF</td>
<td>May 16</td>
<td>June 27</td>
<td>May 16</td>
<td>May 16</td>
</tr>
<tr>
<td>Late Registration 1,2</td>
<td>May 13-17</td>
<td>June 24 - June 28</td>
<td>May 13-17</td>
<td>May 13-17</td>
</tr>
<tr>
<td>Last Day for Full Refund</td>
<td>May 16</td>
<td>June 27</td>
<td>May 16</td>
<td>May 16</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 17</td>
<td>June 28</td>
<td>May 17</td>
<td>May 17</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF</td>
<td>June 6</td>
<td>July 18</td>
<td>July 1</td>
<td>June 18</td>
</tr>
<tr>
<td>Withdrawal Deadline</td>
<td>June 6</td>
<td>July 18</td>
<td>July 1</td>
<td>June 18</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes</td>
<td>June 14</td>
<td>July 26</td>
<td>June 14</td>
<td>June 14</td>
</tr>
<tr>
<td>(ends at 4:00 p.m.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VA Deferral Payment Deadline 2</td>
<td>July 26</td>
<td>July 26</td>
<td>July 26</td>
<td>July 26</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete 3</td>
<td>June 21</td>
<td>August 2</td>
<td>August 2</td>
<td>July 12</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>Given during the last class meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-campus Housing closes</td>
<td>June 21</td>
<td>August 2</td>
<td>August 2</td>
<td>N/A</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>June 26</td>
<td>August 7</td>
<td>August 7</td>
<td>July 17</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>June 27</td>
<td>August 9</td>
<td>August 9</td>
<td>July 18</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 3</td>
<td>August 3</td>
<td>August 3</td>
<td>August 3</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.

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**University Holidays and Special Events**

- **Memorial Day Holiday** .......................................................... May 27, 2013
- **Independence Day Holiday** ..................................................... July 4, 2013

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**NOTE:**

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”.
**2013 - 2014 FALL/SPRING ACADEMIC CALENDAR**

<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2013</th>
<th>Spring 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 3, 2013</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2013</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2013</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>November 1, 2013</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>July 15</td>
<td>December 2, 2013</td>
</tr>
<tr>
<td>Registration on myUCF</td>
<td>March 18 - August 18</td>
<td>Mar. 18, 2013 - Jan. 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oct. 21, 2013 - Jan. 5</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>June 24 - August 2</td>
<td>Oct. 14, 2013 - Dec. 6, 2013</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>August 2</td>
<td>December 6, 2013</td>
</tr>
<tr>
<td>On-campus Housing opens</td>
<td>August 15</td>
<td>January 4</td>
</tr>
<tr>
<td>Registration time for State Employees, UCF Employees,</td>
<td>August 16</td>
<td>January 3</td>
</tr>
<tr>
<td>Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>August 16</td>
<td>January 3</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 19</td>
<td>January 6</td>
</tr>
<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 19-23</td>
<td>January 6-10</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 22</td>
<td>January 9</td>
</tr>
<tr>
<td>Last Day for Full Refund</td>
<td>August 22</td>
<td>January 9</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 23</td>
<td>January 10</td>
</tr>
<tr>
<td>Payment deadline</td>
<td>August 30</td>
<td>January 17</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 7-18</td>
<td>October 7-18, 2013</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes</td>
<td>October 28</td>
<td>March 10</td>
</tr>
<tr>
<td>(ends at 4:00 p.m.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 28</td>
<td>March 3</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 28</td>
<td>March 3</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline</td>
<td>November 29</td>
<td>April 18</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
<td>December 2</td>
<td>April 21</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 4-10</td>
<td>April 23-29</td>
</tr>
<tr>
<td>On-campus Housing closes (noon)</td>
<td>December 11</td>
<td>April 30</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 13</td>
<td>May 1</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>December 13</td>
<td>May 2</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 13-14</td>
<td>May 1-3</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 17</td>
<td>May 5</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the [Web Enrollment Guide](http://www.registrar.sdes.ucf.edu/calendar) 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 will receive their appointment dates and times for Summer 2013, Fall 2013 and Spring 2014 beginning February 25, 2013. Registration for these students will begin on or after March 18, 2013. All other eligible students will receive their registration times beginning October 7, 2013, and Spring registration for these students will begin on or after October 21, 2013.

### 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 2, 2013</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>November 1-10, 2013</td>
</tr>
<tr>
<td>Homecoming Game - vs. Houston</td>
<td>November 9, 2013</td>
</tr>
<tr>
<td>Veterans Day Holiday (observed)</td>
<td>November 11, 2013</td>
</tr>
<tr>
<td>Thanksgiving Holidays</td>
<td>November 28-30, 2013</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 20, 2014</td>
</tr>
<tr>
<td>Spring Break (campus offices still open)</td>
<td>March 3-8, 2014</td>
</tr>
<tr>
<td>Founder’s Day Honors Convocation (classes still held)</td>
<td>April 2, 2014</td>
</tr>
</tbody>
</table>
UNIVERSITY NOTICES

Undergraduate Academic Policy Statement
The University of Central Florida, may change any of the announce-
ments, information, policies, rules, regulations, or procedures set forth in the Undergraduate Advising Guide and the Undergraduate Catalog. The Undergraduate Catalog is published online once a year and cannot always reflect new and modified regulations. Students 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 commu-

nity. Accordingly, discrimination based on race, color, religion, sex, national origin, age, disability, marital status, 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 condition of an individual's employment or enrollment;
2. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual; or
3. Such conduct has the purpose or effect of substantially interfering with an individual's work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

Sexual harassment is strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University regulations.

Employees, students, visitors, or applicants for employment or admis-
sion may obtain further information on this policy, including grievance procedures, from the Equity Coordinator. The Director of the Office of Equal Opportunity and Affirmative Action Programs is the campus Equity Coordinator responsible for concerns in all areas of discrimi-
nation. The office is located on the Orlando campus, in Millican Hall 330, Orlando, FL 32816-0030. The phone number is 407-UCF-1EEO. Policies and guidelines are available online at http://www.eeo.ucf.edu/. Policies and guidelines are available online at http://www.eeo.ucf.edu/. 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 per-
mitt ed 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 pro-
hibited by the governing organization. Consumption of alcoholic bever-
ages in public or common areas within on-campus residential units shall follow guidelines provided by their governing organization, and local, state and federal law.

Approval Procedures: Student Groups
Approval for students or student organizations to host an event where alcoholic beverages are present in non-licensed campus loca-
tions 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-
ing and ending times, and location of event; number in attendance and method of registering guests; method of designation for those of age/ under age; contained area where alcohol consumption is permitted; type of alcohol along with food and alternative non-alcoholic beverages to be provided; method of security including number of campus police officers; person to be contacted at event in case of questions or problems.

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

For the complete and definitive version of the Drug-Free Workplace/ Drug-Free Schools Policy Statement, please go to: http://www.goldenrule.sdes.ucf.edu/

Academic Behavior Standards
The University of Central Florida is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action, disciplinary action, and/or program action. Academic action affects student assignments, examinations or grades. Disciplinary action may affect student enrollment status. Program action may suspend the student program for a specific program of study and/or academic Misconduct includes but is not limited to cheating, plagiarism, misuse of sources, assisting another in cheating or plagiarism, and commercial use of academic materials. The violations of student academic behavior standards on the undergraduate and graduate level are listed and defined in the Rules of Conduct in the Golden Rule Student Handbook.

Note: A student who has assisted another in the aforementioned breach of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may document the incident and choose to take appropriate academic action ranging from loss of credit for a specific assignment, examination, or project to removal from the course with a grade of “F.” Additionally, disciplinary action may be taken through the Office of Student Rights and Responsibilities, which may result in punitive and education sanctions, as outlined in The Golden Rule Student Handbook. Students found in violation of Academic Misconduct will receive a Z designation that would be included with UNIVERSE OF CENTRAL FLORIDA
the earned grade on transcripts, designating that academic dishonesty occurred. Information regarding the Z designation, its application or removal from a transcript can be found in The Golden Rule Student Handbook.

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

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

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

Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adaptor. Recommended configurations can be found on the University’s website at http://www.cstore.ucf.edu/flyers/recommended_PC.pdf.

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

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

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

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

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

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

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

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

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

<table>
<thead>
<tr>
<th>College/Discipline</th>
<th>Accrediting Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts and Humanities</td>
<td>National Association of Schools of Music (NASM), 12250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248</td>
</tr>
<tr>
<td>Music, Music Education</td>
<td>The Association to Advance Collegiate Schools of Business (AACSB International), 777 South Harbour Island Blvd., Suite 750, Tampa, FL 33602-5730</td>
</tr>
<tr>
<td>Business Administration (all disciplines)</td>
<td>State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Ave., NW, Suite 500, Washington, DC 20036</td>
</tr>
<tr>
<td>Engineering and Computer Science</td>
<td>Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Aerospace, Civil, Computer, Construction, Electrical, Environmental, Industrial, Mechanical Engineering</td>
<td>Computer Science</td>
</tr>
<tr>
<td>Health and Public Affairs</td>
<td>Commission on Accreditation of Athletic Training Education (CAATE), 2201 Double Creek Drive, Suite 5006, Round Rock, TX 78664</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>Health Informatics and Information Management</td>
</tr>
<tr>
<td>Health Informatics and Information Management</td>
<td>Health Services Administration</td>
</tr>
<tr>
<td>Social Work</td>
<td>Council on Social Work Education (CSWE), 1701 Duke Street, Suite 200, Alexandria, VA 22314-3457</td>
</tr>
<tr>
<td>College of Medicine - Burnett School of Biomedical Sciences</td>
<td>Medical Laboratory Sciences</td>
</tr>
<tr>
<td>National Accreditation Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119</td>
<td>Nursing</td>
</tr>
</tbody>
</table>
University Notices

Sciences
Chemistry

American Chemical Society (ACS)
Committee on Professional Training,
1155 Sixteenth Street, NW,
Washington, DC 20036

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 CENTRAL FLORIDA/CAMPUS

The University
407-823-2000
http://www.ucf.edu

UCF Stands For Opportunity: The University of Central Florida is the nation’s second-largest university and is located in one of the most dynamic and vibrant communities in the country – the Orlando metroplex. UCF’s 1.415-acre main campus provides modern facilities, most of which have wireless capability, with approximately 600 acres set aside for lakes, woods and an arboretum.

Offering more than 200 degree programs, UCF is an academic and research leader in many fields, including optics and photonics, modeling and simulation, engineering and computer science, business administration, education, life sciences, hospitality management and digital media. The College of Medicine, which will graduate its first M.D. students in spring 2013, is the centerpiece of a medical city at Lake Nona bustling with scientists searching for cures for cancer and other diseases.

Nearly 60,000 students attend classes on UCF’s main campus in East Orlando and 15 satellite facilities located throughout Central Florida. Since President John Hitt’s arrival in 1992, UCF’s enrollment has more than doubled and the number of doctoral degrees awarded has grown eightfold.

Outstanding Students: UCF continues to attract many of the nation’s best and brightest students. The fall freshman class for the 2012-13 academic year posted an average SAT score of 1244, a 77-point increase over the state’s average SAT average of 3.9. A total of 241 National Merit Scholars enrolled in fall 2012. UCF also continues to become more diverse each year, with a UCF-record 39 percent of students in fall 2012 classified as minority students.

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

UCF’s newly expanded Recreation and Wellness Center features a three-story climbing wall, an indoor track and myriad fitness equipment. The Student Union offers computer labs, study lounges, ballroom and meeting rooms, popular eateries and the latest in shopping with a small shopping mall. A state-of-the-art Health Center supports a full-service health clinic with on-site professionals, X-ray capabilities, a pharmacy, a dental clinic, a medical laboratory and physical therapy services. The new Career Services and Experiential Learning building features 17 private interview rooms, including a boardroom-style suite where cameras record students’ practice interviews.

The first phase of a new performing arts center features state-of-the-art classrooms and practice and performance spaces for the Music and Theatre programs. The new center will eventually host first-class theater and music programs for UCF and the surrounding communities to enjoy.

National University to Watch: For the past several years, U.S. News & World Report’s “America’s Best Colleges” guide has lauded UCF as a top 10 national university to watch. This category recognizes national universities that “recently made the most promising and innovative changes in academics, faculty, students, campus or facilities.” UCF also has been consistently ranked as one of the nation’s best values by The Princeton Review and Kiplinger magazine.

Center for Distributed Learning
Associate Vice President: Thomas B. Cavanagh
UCF Center for Distributed Learning, 3100 Technology Parkway, Orlando, 32826; 407-823-4910
http://online.ucf.edu/

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

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 web-based 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.

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

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

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

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

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

UCF Regional Campuses provide a wide variety of instruction modes and schedules, including web class availability. Admissions, Registration, Financial Assistance and Advising professionals are located at the following campuses: UCF Cocoa and Palm Bay, UCF Daytona Beach, UCF Sanford/Lake Mary, UCF South Lake and Leesburg, UCF Valencia West and 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 Eastern Florida State College, Lake-Sumter State College, Seminole State College and Valencia College. This agreement addsied to 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. At UCF Regional Campuses students may register full-time or part-time for courses at any of the locations without additional paperwork. For the most current information on any of the multiple UCF Regional Campus locations, programs or class schedules, check the website at http://www.regionalcampuses.ucf.edu.
Administration

UCF Regional Campuses Administration
12201 Research Parkway, Suite 101
Orlando, 32826; 407-823-4547

Vice Provost, UCF Regional Campuses ............... TBA
Senior Administrative Assistant .................. Kathi Harris
Associate Director, Academic Initiatives .......... Stephen Holmes
Associate Director, Academic Initiatives .......... Waheeda Illesarie
Associate Director, Academic Initiatives .......... Mary Lynn Bresette
Facilities Scheduler ............................... Denise Devin
Coordinator, Statistical Research .................. Jeanne Walker
Associate Vice President, Regional Campus Transfer
Admission & Enrollment/Marketing ................. Angé Peterson
Director, RC Enrollment Services .................. Deborah Bradford
Marketing Account Executive ...................... Michelle Fuentes
Web Designer ...................................... Tony Recascino
Interim College/Division IT Manager ............... Aaron Misiano
College/Division IT Project Manager .............. Calston Llewellyn
Interim Director, RC Advising & Student Services . Pam Cavanaugh
Associate Vice President, Business Affairs and Operations .................. David Laney
Director, Continuing Education .................... Linda Cirocco
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 Valencia Osceola
Director, Academic Support Services .......... Edgar Martinez
Associate Director, Academic Support Services .. Carol Black
Assistant Director, Enrollment Services .......... Kathy Butler
Coordinator, Academic Advising Services I ........ Chris Miller
Coordinator, Academic Advising Services I ........ TBA
Coordinator, Academic Advising Services II ......... Lisa Cruz
Coordinator, Academic Advising Services II ......... TBA
Coordinator, Academic Advising Services II .......... Melissa Hanbery
Coordinator, Academic Advising Services II ........ Salama Mohamed
Coordinator, Enrollment Services ................ Shellee Thomas-Small
Coordinator, Student Services ..................... Jim Smith, Jr.
Administrative Assistant ........................... Jacqueline Diaz

UCF Daytona
Assistant Vice President and Director,
Daytona Beach Campus ......................... Linda Bradley
Associate Director, Academic Support Services . Darryl Gleeley
Associate Director, Student Services ............ Raphel Robinson
Senior Admissions/Registrar Officer ............. Sheri Newble-Dunn
Coordinator, Academic Advising Services II ....... TBA
Coordinator, Academic Advising Services II ........ TBA
Coordinator, Academic Advising Services II ........ Virginia LaRue
Coordinator, Academic Advising Services II .......... Angela Edwards-Johnson
Coordinator, Administrative Services ............ Bonnie Marsh
Department IT Manager ......................... Joe Cassella

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

UCF Cocoa, UCF Palm Bay
Associate Vice President, Cocoa/Palm Bay ........ Denise Young
Director, Academic Support Services .......... Lauren Miller
Associate Director, Student Services ............ Angela Jones
Assistant Director, Academic Support Services . Sonya Curtis
Assistant Director, Enrollment Services ............ Nick Pantoni
Coordinator, Academic Advising Services I ........ Kim Poppert
Coordinator, Academic Advising Services II ....... Angel Edgecombe
Coordinator, Academic Advising Services II ........ Patricia Terrill
Coordinator, Academic Advising Services II .......... John King
Coordinator, Academic Advising Services II .......... Sheryl Schagen
Coordinator, Enrollment Services ................ Jessica Houts
Department IT Manager .......................... Sue Sorenson

UCF South Lake, UCF Ocala, UCF Leesburg
Assistant Vice President, Academic Affairs .... Cecelia Rivers
Director, Academic Support Services .......... Tanya Armstrong
Administrative Assistant .......................... Lita Reyes
Director, Student Services ......................... Pamela Brady
Assistant Director, Enrollment Services ............. Christy Pasnin
Coordinator, Enrollment Services ................ Thomas Silarek
Coordinator, Academic Advising Services I ........ TBA
Coordinator, Academic Advising Services II ........ TBA
Coordinator, Academic Advising Services II ........ Robin Tinsley
Coordinator, Academic Advising Services II .......... Bethany Larson
Coordinator, Academic Support Services ........ Crystal Flynn
Department IT Manager ......................... Mei Wong

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

Undergraduate Degree Programs

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

Business Administration (B.A.B.A.) College of Business Administration

Communication Sciences and Disorders (B.A., B.S.) College of Health and Public Affairs

Criminal Justice (B.A., B.S.) College of Health and Public Affairs

Elementary Education (B.S.) College of Education and Human Performance

Health Services Administration (B.S.) College of Health and Public Affairs

History (B.A.) College of Arts and Humanities

Human Communication (B.A.) College of Sciences

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

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

Nursing (B.S.N., R.N. to B.S.N.) College of Nursing

Political Science (B.A.) College of Sciences

Psychology (B.S.) College of Sciences

Sociology (B.A.) College of Sciences

Social Science (B.S.) College of Sciences

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

Undergraduate Minors

Anthropology in Multicultural Studies

Business (For non-business majors only)

Communication Sciences and Disorders

Criminal Justice

Crime, Law and Deviance

Diversity and Social Inequality

English – Creative Writing

Exceptional Education

Health Services Administration

History

Human Communication

Legal Studies

Mass Communication

Mass Culture and Collective Behavior

Medical Sociology

Political Science

Psychology

Sociology

Technical Education and Industry Training

Women’s Studies

Graduate Degree Programs

Applied Sociology (M.A.) College of Sciences

Undergraduate Degree Programs

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

Undergraduate Catalog 2013-2014
Health Services Administration (B.S.) College of Health and Public Affairs
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
Photography (B.S.) College of Arts and Humanities
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences
Sociology (B.A.) College of Sciences
Technical Education and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Crime, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
Exceptional Education
Health Services Administration
History
Human Communication
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

Graduate Degree Programs
Criminal Justice (M.S.) College of Health and Public Affairs

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

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

Undergraduate Minors
Anthropology in Multicultural Studies
Criminal Justice
Crime, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
Exceptional Education
Health Services Administration
History
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

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

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

Elementary Education (B.S.) College of Education and Human Performance (Cohort)
Health Services Administration (B.S.) College of Health and Public Affairs
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
Nursing (R.N. to B.S.N.) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Technical Education and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Anthropology in Multicultural Studies
Business (for non-business majors)
Criminal Justice
Crime, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
Health Services Administration
History
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

UCF Palm Bay
321-433-7838
(In partnership with Eastern Florida State College)

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

Undergraduate Minors
Anthropology in Multicultural Studies
Business (for non-business minors)
Criminal Justice
Crime, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
Health Services Administration
History
Interpersonal/Organizational Communication
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

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

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, Software Development, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
University of Central Florida/Campuses

Early Childhood Education (B.S.) College of Education and Human Performance
Elementary Education (B.S.) College of Education and Human Performance
Health Services Administration (B.S.) College of Health and Public Affairs
Interdisciplinary Studies (B.A., B.S.) College of Health and Public Affairs
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences
Technical Training and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Crime, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
Health Services Administration
History
Interpersonal/Organizational Communication
Journalism Studies
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

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

UCF South Lake
352-536-2113
(In partnership with Lake-Sumter State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education and Human Performance
Health Services Administration (B.S.) College of Health and Public Affairs
Interdisciplinary Studies (B.A.) Office of Undergraduate Studies
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Sports and Exercise Science (B.S.) College of Education and Human Performance
Technical Education and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Crime, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
Health Services Administration
History
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

UCF Valencia Osceola
407-582-4190
(In partnership with Valencia College)

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

Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Crime, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
History
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

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

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

Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Crime, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
Interpersonal/Organizational Communication
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
The Central Florida Research Park

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

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

The ultimate goal of University-related research parks is to establish an academic-industrial community. The University and officials of the Central Florida Research Park believe that the potential for the establishment of close ties between the University and industry will create an environment conducive to the location of research-oriented industry in the Research Park. This activity will enrich and support the academic, teaching, and research programs of the University.

The University, in turn, can provide the necessary expertise and human resources to enhance the research and development activities required and planned by Research Park residents.

The Central Florida Research Park consists of over 1,000 acres of land. Businesses desiring a "university relationship" can purchase or lease land in the Research Park on which to construct a facility or lease land. Businesses desiring a "university relationship" can purchase or lease land in the Research Park on which to construct a facility or lease land. Businesses desiring a "university relationship" can purchase or lease land in the Research Park on which to construct a facility or lease land.

Endowed Chairs

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

**Phillips-Schenck Chair in American Private Enterprise**: Created in 1980 as the focal point for a continual 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: Narasimh 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: Paul Lartonoix.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**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: Konstantin L. Vodopyanov.

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 & Dallas 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 2011 to support a leading expert in simulation to advance simulation in Nursing and other health disciplines. Chair: TBA.

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

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

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

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

Hugh F. and Jeannette G. McKean Endowed Chair in Nursing: Created in 2003 to strengthen and support the preparation of nurse educators. Chair: Diane Wink.

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

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

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

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

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

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

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

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

UCF Public Safety and Police
Chief: Richard 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 may appear on the police computer screen, callers who are either too young or too incapacitated to give their number or location can still receive emergency assistance. Communications Operators are on duty 24 hours a day. Blue light emergency phones are located at various locations on campus to allow persons in need of assistance to contact the Police Department. All Blue Light Emergency phones dial into the Communications Center to ensure a swift response if needed.

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

The Investigations Division (407-823-5555) consists of five detectives, a forensic technician and a criminal analyst who conduct latent investigations for all criminal cases.
The Community Relations Division (407-823-5555) offers crime prevention seminars regarding the protection of personal property and safety. The Community Relations Division manages the Safe Escort Patrol Service (SEPS) 407-823-2424, providing a safe escort for all individuals on campus.

Victim Services (12201 Research Parkway, Ste. 450, Orlando 32826; main number: 407-823-2425, 24/7 HOTLINE: 407-823-1200), provides intervention and prevention services for all members of the UCF community and visitors who have been impacted by crime, violence or abuse, with or without a police report. Services include: Crisis intervention; advocacy, support, safety planning, practical assistance; options, information and referrals. Educational programming is also provided to both academic and social groups on campus.


**Information Technologies and Resources**

**Vice Provost and CIO:** Joel L. Hartman  
MH 338K; 407-823-6778  
[http://www.itr.ucf.edu](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](http://library.ucf.edu)

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

University Libraries offers a wide variety of information resources and services, 2.4 million volumes, 43,300 journal subscriptions, 3.1 million microforms, and 51,000 media titles. The Libraries’ rapidly growing electronic resources include 363 databases, 624,000 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](http://library.ucf.edu). Over 285 computer workstations are available for public use. Sixty-three wireless laptops can be checked out for use anywhere in the John C. Hitt Library. Available for weeklong checkout are 45 iPads, five Android tablets, cameras, DVD players, scanners and digital video recorders. Wireless technology enables patrons who bring their own devices to connect to the Libraries’ electronic resources and to the Internet from anywhere in the building. Twenty-eight group study rooms and one presentation practice room are available for students. The main library has two classrooms outfitted with 43 computer workstations for hands-on instruction in the use of electronic resources.

The Knowledge Commons, the Libraries’ newest learning space, provides 479 seats in a variety of configurations including collaborative group study areas, 196 PC workstations, single station carrels, and upholstered lounge chairs with flip-up tables. Two-thirds of seating in the area offers a desktop PC or immediate access to power.

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/](http://library.ucf.edu/ask/) connects students with Ask a Librarian, where questions are submitted and answered by Instant Messaging; email; telephone at 407-823-2562, or toll-free at 866-271-7589. The Libraries supports the development of information literacy skills through the provision of InfoLit modules, [http://infolit.ucf.edu](http://infolit.ucf.edu), which provide just-in-time instruction for students on topics such as citing resources and plagiarism. Faculty can include the modules in coursework as well.

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

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

Primary source material from Special Collections and the University Archives [http://library.ucf.edu/SpecialCollections/](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/](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 and Human Performance 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](http://library.ucf.edu/cmc).

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](http://library.ucf.edu/Rosen).

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 Florida College System institutions to provide complete information services. Two examples of websites customized for Regional Campus needs are the Services for Distance Learners page [http://library.ucf.edu/Services/DistanceServices.asp](http://library.ucf.edu/Services/DistanceServices.asp) and the Regional Campus Libraries page [http://library.ucf.edu/BranchCampuses/Locations/](http://library.ucf.edu/BranchCampuses/Locations/). UCF librarians provide in-person service at partner campuses in Cocoa, Palm Bay, Daytona, Clermont, and Sanford as well as at other partnership sites by appointment.

All locations provide electronic access to library and University resources on the web. Courier and intercampus loan services make the main library’s collections available to UCF students at all regional and branch campus sites. For more information see the website at [http://library.ucf.edu/BranchCampuses/Locations/default.asp](http://library.ucf.edu/BranchCampuses/Locations/default.asp).
Office of Instructional Resources
Director: Don Merritt
CB1 203; 407-823-2571
http://www.or.ucf.edu

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

The Faculty Multimedia Center (FMC) is OIR’s media production facility dedicated to faculty and electron-ic thesis and dissertation (ETD) support. Located in Classroom Building I (CB1) Room 202, the FMC hosts equipment and staff that faculty can call upon to help them create multimedia materials for their teaching and research needs. The FMC also partners with the College of Graduate Studies to provide computer and media expertise for students who are completing their ETD.

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

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

Intercollegiate Athletics
Vice President and Director: Todd Stansbury
WD2; 407-823-2261
http://www.UCFAthletics.com

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

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

UCF has won 17 conference championships and played in 27 NCAA tournaments since joining Conference USA in 2005. UCF Athletics’ 85 percent graduation success rate is a school record and ranks No. 1 among Florida’s public universities.

During the past three years, UCF student-athletes have contributed a total of more than 360,000 hours of community service to the Central Florida region.

Graduation Rate Disclosure
The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, graduate from their programs. The 6-year graduation rate for the Summer-Fall 2006 full-time cohort is 65.1 percent. The retention rate for Summer-Fall full-time 2011 students is 87.8 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 festivi-ties rivaling 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.

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

John T. Washington Center Location
The UCF Bookstore, a Barnes & Noble College division bookstore, located on the John T. Washington Center, is the 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 read-ing 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 Information Center; 407-823-1371
Email: krishna.singh@ucf.edu
http://www.parking.ucf.edu

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

The UCF Shuttle provides transit needs for students residing in 18 on-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:30 p.m. UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 9 stops on campus. On campus shuttles operate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer terms.

An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes nine round-trip runs between 6:45 a.m. and 9:00 p.m. Monday through Thursday, during the fall and spring semesters, and six round-trip runs between 8:00 a.m. and 7:00 p.m. during the summer semester. Our latest addition is an inter-campus transportation ser-vice between UCF main campus and the Health Sciences Campus. It makes six round trips between 7:20 a.m. and 10:45 p.m. Monday through Friday.

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

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

Orlando Shakespeare Theater in Partnership with UCF
Artistic Director: Jim Helsinger
812 E. Rollins St., Suite 100, Orlando FL 32803
Email: jhelsinger@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 Hatrick Lakes Festival of New Plays, and innovative educational programming that includes sum-mer camps, a summer high school performance group, and the K-12 “Shakespeare Alive” and Shakesperience” programs. Performances are presented in Margeson, Goldman, Mandell, and Santos-Dantin Theaters at the Lowndes Shakespeare Center in Loch Haven Park.

The theater has achieved a position of national recognition, attract-ing 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 many active chapters and clubs, fun activities and events, and enlightening communication pieces. Alumni receive several benefits, such as discounts for hotels, restaurants, insurance products and theme park tickets as well as UCF logo merchandise discounts at locations on and off campus. A complete list of benefits can be found at http://www.ucfalumni.com/benefits.

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

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

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

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

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

The foundation employs over 100 staff members who are dedicated to making the most effective and responsible use of contributions. The foundation team is responsible for gift acceptance and administration, gift processing and receiving, financial accounting and reporting, donor and alumni record maintenance, and donor and alumni stewardship.
International Studies
Director: Angel Cardec
MH 107, 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 delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in Austria, France, Italy, Japan, Spain and Taiwan; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica, Russia and the United Kingdom; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Italy.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. 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
Interim Director: Ulla Isaac
CSEL 300; 407-823-2867
Email: OEL@ucf.edu
http://www.explearning.ucf.edu

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

OEL has received national awards for its program innovation, quality instruction and assessment, broad-based collaboration, and institutional support. It contributes to the development and instruction of quality experiential learning courses across campus and helps keep curriculum current by offering faculty training, quality assurance, measurement of learning outcomes in experience-based learning courses, and outcome data to colleges for grant proposals and assessment.

Additionally, OEL collects data and applies for awards through which the university has been recognized numerous times for excellence in student engagement and partnerships.

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

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

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

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

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

National Consortium for Academics and Sports (NCAS)
Director: Suzi Katz-Sliwinski
BA 222; 407-823-3555
http://www.ncasports.org

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

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

The Southeast Region also works with the NCAS National Office to make programs available to athletic departments in the areas of diversity training, gender violence prevention, media awareness and building well rounded student-athletes who represent themselves and their University well and cultivates partnerships between the University, local schools, community organizations, and other nonprofit 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
Director: Linda Ciocco
Innovation Center, 3280 Progress Drive, Suite 700, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0266
http://www.ce.ucf.edu

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

Off-Campus College Credit Programs
Associate Vice President: Stephen Holmes
University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-363-3564, Fax: 407-823-1399

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

Institutes and Centers for Research
Center for Economic Education
Director: Robert L. Pennington
BA 2303E; 407-823-2640
Email: rpennington@bus.ucf.edu

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

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

The purpose of the Dick Pope Sr. Institute for Tourism Studies is to improve the quality of the tourism product while increasing the benefits of tourism for the industry, state of Florida, and local communities. The Institute involves itself in a variety of research projects and educational programs. Research includes the collection, development, and dissemination of information relevant to the tourism and hospitality industry in the areas of: marketing, consumer behavior and visitor satisfaction, feasibility studies, economics, motivation, and forecasting.

The University of Central Florida
Institutes and Centers for Research

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

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

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

- Executive MBA Program
- Professional MBA Program
- Professional Masters in Management
- Professional Masters in Real Estate
- Conference services
- Public enrollment programs
Florida-Canada Linkage Institute  
**Director:** Angel Cardec  
407-823-3647, Fax: 407-882-0240  
Email: fcll@mail.ucf.edu

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

Florida-Eastern Europe Linkage Institute  
**Director:** Angel Cardec  
407-823-3647, Fax: 407-882-0240  
Email: eeli@mail.ucf.edu

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

The John Scott Dailey Florida Institute of Government at the University of Central Florida  
**Director:** Marilyn Crotty  
407-882-3960, Fax: 407-882-3968  
http://www.iog.ucf.edu

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

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

The Florida Solar Energy Center (FSEC) is the largest and most active state-supported energy research institute in the United States. Located on the Cocoa campus of UCF at Eastern Florida State College, FSEC has gained national and international respect for its programs on photovoltaics, solar thermal systems, energy-efficient buildings, advanced cooling technologies, hydrogen and fuel cells, 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:** Ramon Lugo  
Florida Space Institute, PO Box 160650, Room 214 A, Orlando, FL 32816-0650; 407-823-6172; Fax: 407-823-6359  
Email: ramon.lugo@ucf.edu  
http://fsi.ucf.edu

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

In addition to traditional classrooms, FSI has had complete laboratories for supporting research projects, including a satellite ground station. Additionally, FSI had utilized 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 & III, 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300  
Email: shumaker@ist.ucf.edu  
http://www.ist.ucf.edu

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

IST laboratories, work space, and administrative offices occupy major portions of the Partnership II and III buildings located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to the Army Program Executive Office for Simulation, Training and Instrumentation (PEO STRI); 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 a coast-to-coast high tech corridor from Tampa to Daytona Beach—the largest concentration of this expertise in the world.

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

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

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

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

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

**Institute of Statistics and Data Mining**

*Director:* David M. Nickerson  
TC2 206; 407-823-5528  
Email: David.Nickerson@ucf.edu

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

**Oak Ridge Associated Universities (ORAU)**

*President and ORAU Councilor for University of Central Florida:* John C. Hitt  
*ORAU Corporate Secretary:* Monnie E. Champion  
865-576-3146  
http://www.orau.org

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

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

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

**Small Business Development Center (SBDC)**

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

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

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

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Xchange, Export Marketing Plan Services, Growth Acceleration Services, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of PTAC and SBRN.
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

Email: dwarehouse@ucf.edu

http://www.iroffice.ucf.edu

The mission of Enterprise Decision Support (EDS) is to provide data integration services and actionable information solutions through the delivery of business intelligence applications and other knowledge management tools to support executive and operational decision-making and planning by the university community and to provide information for external agencies and the Florida Board of Governors.

**Institutional Knowledge Management (IKM)**

*Assistant Vice President and University Data Administrator: M. Paige Borden*

Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061

http://www.iroffice.ucf.edu

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

**Institutional Research (IR)**

*Associate Director: Patricia Ramsey*

Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061

Email: iroffice@mail.ucf.edu

http://www.iroffice.ucf.edu

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

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

**News and Information**

*Associate Vice President for Communications & Public Affairs: Grant J. Heston*

Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988

http://www.today.ucf.edu

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

**Operational Excellence and Assessment Support (OEAS)**

*Director: Patrice Lancey*

Research Pavilion, 12424 Research Parkway, Suite 225, Orlando 32826; 407-882-0275

http://www.oeads.ucf.edu

The mission of Operational Excellence and Assessment Support (OEAS) is to support efforts to improve the effectiveness and efficiency of university operations and the quality of student learning outcomes through assessment. OEAS accomplishes this by providing support to all administrative units and academic programs through integrated processes that include continuous quality improvement, survey development, data collection, analysis, and guidance in assessment.

**Regional Campuses Enrollment Services, Marketing and Outreach**

*Associate Vice President: Angé Peterson*

University Towers, 12201 Research Parkway, Orlando 32826; 407-823-4547

http://regionalcampuses.ucf.edu

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

**Regional Campuses Student Services**

*Interim Director: Pam Cavanaugh*

University Towerers, 12201 Research Parkway, Orlando 32826; 407-823-4547

Email: pamela.cavanaugh@ucf.edu

**Student Services, UCF Daytona Campus**

*Associate Director: Raphael Robinson*

Email: raphael.robinson@ucf.edu

**Student Services, UCF Cocoa and UCF Palm Bay Campuses**

*Associate Director: Angelia Jones*

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

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

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

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

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

**Student Financial Assistance**
Executive Director: Mary H. McKinney
MH 120; 407-823-2927
http://finaid.ucf.edu

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

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

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

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

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

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

WUCF TV is the region’s only PBS channel, reaching 4 million viewers. WUCF TV’s mission is to enrich lives through educational, entertaining and inspiring programs and partnerships that positively inform and influence our community. WUCF TV also provides high-quality video production services to internal and external clients.

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

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

Office hours are: Monday/Thursday 9 a.m. to 6 p.m., Tuesday/Wednesday 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://marketing.ucf.edu

UCF Marketing ensures the integrity of the UCF brand, increases the university’s visibility and image, creates cost-saving opportunities, enhances revenues, attracts students, engages alumni, and informs the public through multiple media with strategic services and partnerships that tell the UCF story locally, statewide and nationally.
Undergraduate Admissions

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

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

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

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

Campus Visit Experience

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

Application for Admission

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

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

Applicants should understand that this Undergraduate Catalog outlines minimum requirements to be considered for admission and that admission to the University is competitive. The satisfaction of minimum requirements does not guarantee admission. Conversely, Florida Department of Education policy allows the University to admit students to any semester as exceptions to the minimum requirements. The Office of Undergraduate Admissions and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exception policy. Applicants must submit official transcripts from each educational institution attended to the Office of Undergraduate Admissions. Applicants must likewise submit official score reports for credit earned from each appropriate testing agency (e.g., AICE, AP, CLEP, or IB). To be considered official, supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents must be received by the Office of Undergraduate Admission no later than six (6) days after the first day of classes.

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

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

Due to restrictive state regulations, UCF is not permitted to provide online courses or instruction to students in some states. While residing in one of these states, students may not be permitted to enroll in UCF online courses.

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

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

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

**Students applying as transient from a Florida public institution should apply through Florida Virtual Campus at http://www.flvc.org.

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

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

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

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

Entrance Examination Scores
All FTIC applicants for admission must submit test scores from the SAT Reasoning Test or the ACT. 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 earn 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 calculation. Grades in International Baccalaureate (IB), Advanced Placement (AP), Cambridge Advanced International Certificate of Education (AICE), honors and dual enrollment courses will be given additional weight in the computation of the academic GPA. The high school academic unit requirements are as follows:

<table>
<thead>
<tr>
<th>Academic Subject</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>
<tr>
<td><strong>Total Units</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Applicant Eligibility
As stated in Florida Board of Governors Regulation 6.002, an SAT or ACT is required of all State University System FTIC applicants. Students with a high school GPA of 2.5-2.99 on a 4.00 scale as calculated by the university must obtain the following minimum scores
Undergraduate Admissions

in all three sections of either the SAT Reasoning Test or ACT with Writing as outlined below:

- SAT Critical Reading = 460 or ACT Reading = 19
- SAT Mathematics = 460 or ACT Mathematics = 19
- SAT Writing = 440 or ACT English/Writing = 18

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

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

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

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

A student must 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 to complete their high school graduation requirements. Students must submit an application for admission by the published application deadline date. In addition, the following information is required:
   - official copy of high school transcript(s);
   - official copy of SAT Reasoning Test or ACT;
   - 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://admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Office of Undergraduate Admissions computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does not recognize plus or minus grades and only recognizes grade forgiveness when it is used as part of an awarded statewide articulated Associate in Science degree or an Associate in Arts degree from a Florida public institution.

Applicants must have a cumulative minimum GPA of 2.0 as well as a minimum GPA of 2.0 at each of the state universities 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 Student Counseling Manual” available at http://transfer.sdes.ucf.edu/transfer_student_manual/. The manual provides the recommended Florida College System institution 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 College System institutions, Florida public state colleges, and Florida state universities will be governed by the Articulation Agreement between the state universities and Florida College System institutions of Florida, as approved by the State Department of Education. The agreement states: The associate in arts degree is the basic transfer degree of the Florida College System institutions. It is the primary basis for admission of transfer students from Florida College System institutions to upper division study in a state university. Every associate in arts graduate of a Florida College System institution shall be granted admission to an upper division program consistent with Section 1007.23, F.S. Admission to the student’s preferred public postsecondary institution or program is not guaranteed.

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

1. Admission to one of the 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 a degree-seeking undergraduate students must apply to the Office of Undergraduate Admissions. Students should complete the undergraduate admissions application online at http://admissions.ucf.edu.
- Students who have previously attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar’s Office. These students should follow the Readmission procedure located online at http://www.registrar.ucf.edu/forms/readmission/.

Credits from a Previous Baccalaureate Degree
Graduates from other regionally-accredited four-year U.S. institutions who apply for admission to work toward a second undergraduate degree must meet the regular requirements of the university (as defined in the “Undergraduate Degree Requirements” section of this Undergraduate Catalog). Students must meet all transfer GPA requirements. A baccalaureate degree or higher from another regionally accredited four-year U.S. institution satisfies the General Education Program requirements and also provides exemption from the foreign language requirements for admission and graduation. Note: If a baccalaureate degree from a regionally accredited four-year U.S. institution includes credit from a non-regionally accredited institution, the credit from the non-regionally accredited institution may not be included as transfer credit. This would result in the transfer of less than the total number of credit hours awarded within the baccalaureate degree.

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

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

A student who has already earned a bachelor’s degree and wishes to attend as non-degree seeking should follow the procedure through our Graduate Admissions Office located at http://www.admissions.graducate.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 are required to file for non-immigrant status. 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/.

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.

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, cancells 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 407-823-1261 or go to their website noted above.
Undergraduate Admissions

Non-Academic Admission Clearances
Florida Board of Governors Regulation 6.001 (7) authorizes universities to refuse admission to applicants due to past misconduct. The University further requires the Vice President For Student Development and Enrollment Services or his/her designee to review all applications disclosing 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 institution. Credit is not awarded based on job descriptions, life experience, or course work that is non-academic, or transfer course work from a non-regionally accredited institution included within a baccalaureate degree earned from a regionally accredited institution.

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

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

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

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

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

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

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

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

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

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

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

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

Application Priority Date
All students must apply or reapply yearly for financial aid.
To be considered for the full range of financial aid available, students should complete the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA by mid-February. The processed results of the FAFSA must be received by UCF by March 1st to meet our application priority date.
- If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Direct Stafford Loan, and Federal Direct PLUS Loan;
- Students should not wait to be admitted to UCF before applying for financial aid;
- Federal Pell Grants and Federal Direct Stafford Loans are available on a year-round basis. Students may apply for financial aid in advance of any term and receive aid from these programs, if eligible;
- Students should have a complete financial aid file at least 60 days prior to the beginning of the semester. Students who apply late for aid should be prepared to cover their own living expenses, out-of-pocket, well into the term;
- A broad range of scholarships is available with diverse criteria. Please review the Scholarship Listing on the website for specific deadline dates for individual scholarships.

Application Procedures
- The FAFSA can be filed electronically at http://www.fafsa.ed.gov. A link is provided on the website.
- Using the IRS Data Retrieval Tool in the online FAFSA application is the fastest, easiest, and most secure method of providing the required tax information. Applicants who use the unchanged data from the IRS Data Retrieval Tool will not be required to provide verification of tax information. Students who are selected for Verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax transcripts to verify tax information. Per federal law, copies of tax returns are no longer acceptable beginning in 2012-2013. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries.
- Messages from the federal processor should be reviewed thoroughly;
- Review all correspondence, follow instructions on the Student Aid Report (SAR), and follow through promptly. Delays can be costly as well as frustrating;
- Federal regulations require that some students be selected for Verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Sometimes subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests for additional documentation will expedite completion of this process;
- Offered federal funds and other need-based financial aid are not considered firm until Verification is complete and all necessary corrections have been made.

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

- Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA.
- Students must reapply annually for financial aid.
- Students must accept, reduce or decline offered loan(s) on the myUCF View Financial Aid screen. First time borrowers must complete an online Entrance Counseling and Master Promissory Note (MPN) for a Federal Direct Stafford Loan at UCF.
- Students must be U.S. citizens or an eligible non-citizens, (e.g. resident aliens). Eligible non-citizens include a permanent U.S. resident with a Permanent Resident Card (I-551); a conditional permanent resident with a Conditional Green Card (I-551C); as well as some I-94 classifications.
- Students must have a high school diploma 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;
- Use the IRS Data Retrieval Tool in the online FAFSA application. Applicants who use the unchanged data from IRS Data Retrieval Tool will not be required to provide verification of tax information. Students who are selected for Verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax transcripts to verify tax information. Per federal law, copies of tax returns are no longer acceptable beginning in 2012-2013. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;
- Start a folder to save financial aid information and photocopies of all documents filed and received. Include student's name and PID on all documents submitted. (Do not submit originals; documents will be shredded after scanning.)
- Activate Knights Email account and check it regularly to avoid missing important and critical information from the Office of Student Financial Assistance and the university;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Direct Stafford Loan, even if it doesn't seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered.
- Respond promptly to all information requests;
- If there are extenuating circumstances or problems at any time, call the appointment line, 407-823-5285, to meet with a counselor;
- Comprehensive financial aid information can be found on the website: http://finaid.ucf.edu.

School Costs
Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF. Please refer to the website 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 list the various programs and their specific enrollment requirements. Detailed information for each program can also be found on the website under its particular title.

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

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

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

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

Award Notification
Award notifications are mailed to first time UCF students after March 15th, while email award notifications are sent to continuing students. Initial awards may be amended due to changes made to 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 deferral of tuition and fees payments. Deferrals allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three weeks after the term begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferral process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferrals are also subject to change. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. To have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Drop/Swap in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they never attended.

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**Estimated Cost of Attendance for 2013-2014**

**Undergraduate Students**

<table>
<thead>
<tr>
<th></th>
<th>Florida Residents</th>
<th>Non-Florida Residents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living Arrangement</td>
<td>On/Off Campus</td>
<td>Parent/Relative</td>
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<tr>
<td>Books</td>
<td>$6,576</td>
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<tr>
<td>Room &amp; Board</td>
<td>1,146</td>
<td>1,146</td>
</tr>
<tr>
<td>Transportation</td>
<td>9,300</td>
<td>4,806</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>1,800</td>
<td>1,800</td>
</tr>
<tr>
<td>Total Costs</td>
<td>$21,098</td>
<td>$16,604</td>
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</table>

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Disbursements
Timing of disbursements is contingent upon students meeting all conditions for receiving aid. Disbursement of financial aid begins the second week of the semester. At the end of Drop/Swap and Add, awards are adjusted based on student’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 Account Services, the disbursement record is posted on myUCF under View My Account on the Student Center. Charges appearing on the student’s account will be deducted at that time. Any remaining financial aid will be processed as a refund with the exception of any Federal Direct 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 class. For additional information regarding these two programs, visit http://finaid.ucf.edu/receiving/funds_for_books.html.

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

To meet the standards adopted by the University of Central Florida, a student must:
- Complete a minimum of 70% of all credit hours attempted. Compliance of this requirement is checked at the end of each term. Students who do not earn 70% of all credit hours attempted will be placed on financial aid warning for the next term/semester. At the end of the following semester, students must meet the 70% standard or aid will be canceled for future terms until student either meets the standards or the student has an appeal approved putting them on financial aid probation with an academic plan on file demonstrating the requirements for the student to get back on track towards graduation.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of attempted hours, based on their classification. This includes transfer hours counting toward the degree plus all UCF hours (see chart below).
- Repeated course/s, including the original attempt, will be counted towards the maximum time frame and hours completion ratio requirements.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Undergraduate (All undergraduates, including Second Degree)</th>
<th>Undergraduate (excluding all undergraduate level hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
<td>Undergraduate 180 Attempted Hours (including all undergraduate level hours)</td>
</tr>
<tr>
<td>Specialist</td>
<td>100 Attempted Hours</td>
<td>Undergraduate 180 Attempted Hours (including all undergraduate level hours)</td>
</tr>
<tr>
<td>Doctoral</td>
<td>120 Attempted Hours</td>
<td>Undergraduate 180 Attempted Hours (including all undergraduate level 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, has brought up the percentage to a minimum of 70%, the student will be reinstated dur-
Student Financial Assistance

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

UCF students attending a Florida public community/state college or university must complete the Transient Student Admission Application through Florida Virtual Campus at http://www.flvc.org, and submit the Transient Enrollment Form for Financial Aid for Florida Public Community/State Colleges or Universities on or before the withdrawal deadline of the term in which aid is to be disbursed.

UCF students attending any college or university other than a Florida public institution must submit the following documents to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:

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

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

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

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

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

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.

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

Student Account Services
Sr. Associate Controller: Dan Mayo
MH 109; 407-823-2433,
Email: stuaccts@ucf.edu
http://www.studentaccounts.ucf.edu/

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

Schedule of Fees
Note: 2013-2014 tuition and fees had not been established at the time of this publication. Rates for the 2013-2014 academic year will be available in July 2013 at http://tuitionfees.smca.ucf.edu/. Fees are subject to change without notice.

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

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

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

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

Student Financial Responsibility Statement
Registration at UCF requires students to acknowledge the following financial responsibility statement:
“I understand that I will be responsible for tuition and fees for all courses that remain on my record after the drop deadline and that the courses will be graded.
I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the deadline, I will be charged a $100 Late Payment Fee, my records will be placed on hold, my account may be referred to a collection agency, and I may incur other financial responsibilities.
The deadline to DROP classes without incurring a W Grade and Fee Liability will be one day earlier than the deadline to ADD classes. Please consult the Academic Calendar or the Enrollment Bulletin Board in Student Self Service for these deadlines.”

Note: The Fall 2013 Financial Responsibility Statement had not been established at the time of this publication.

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

Acceptable forms of payment:
- Personal Checks
- Credit Cards (Acceptable credit card types are American Express, MasterCard, and Discover). Please review the Student Account Services website at http://www.studentaccounts.ucf.edu/ for current payment information.
- E-Pay - https://my.ucf.edu – E-Check (Personal Check) or Credit Card
- A nonrefundable convenience fee will apply per credit card transaction.
- Payments made at any time on the published fee payment deadline will be considered on time.

E-Pay process:
- Sign in the myUCF portal as usual then click on the link for Student Self Service; this will open your Student Center page. Use the right scroll bar to scroll to the Finances section. You will find the My Account section.
- Click on the link for the Tuition Fee Invoice. Select the current term (i.e. Sum 2013, Fall 2013, or Spring 2014). The Fee Invoice will provide you your schedule, the charges, the Amount Due and deferrals.
- Annotate the Amount Due as you will need that amount once you are on the E-Pay system.
- Scroll down to the bottom of the page and click on the Due Charges/E-Pay link to make a payment.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

To qualify as a Florida resident for tuition purposes in accordance with 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 must be 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 first day of classes for the term for which resident status is sought:

1. Documentation establishing legal residence in Florida (this document must be dated at least one year prior to the first day of classes of the term for which resident status is sought). The following documents will be considered in determining legal residence:

   a. Declaration of Domicile (Note: the Declaration of Domicile will support a claim of residency for tuition purposes only after a period of 12 months from the date that the Clerk of the Court notes that the declaration was sworn and subscribed to them.)
   b. Proof of purchase of a home in Florida in which the student resides;
   c. Proof that the student has maintained residence in the state for the preceding year (e.g., leases, employment records).

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

3. No contrary evidence establishing residence elsewhere;

4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)

Or

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

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

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

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

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

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

The Registrar's Office or Graduate Studies may require additional documentation beyond that initially submitted by the student or the claimant before it can render a reclassification eligibility determination and it will not complete its review of the residency reclassification application until both the student and the claimant have submitted all requested documents. All readmitted students are required to submit copies of two documents (more may be requested) such as, driver's license, vehicle registration, and/or voter registration, to verify that they qualify and to update residency information on file. Requests for proof of residency for UCF students looking to transfer or become transient students at another institution must be submitted in person or in writing.

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

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

Introduction

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

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

Goals of the division are to:

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

The division is comprised of the following areas:

Academic Services for Student-Athletes (ASSA)

Director: Kimya Massey
WDSC I; 407-823-5896
Email: asa@ucf.edu
http://assa.sdes.ucf.edu

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

ASSA services include:

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

Activity and Service Fee Business Office

Director: TBA
SU 215; 407-823-5548
Email: asf@ucf.edu
http://asf.sdes.ucf.edu

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

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 24 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.
Career Services
Executive Director: Lynn Hansen
CSEL; 407-823-2361
Email: career@ucf.edu
http://career.sdes.ucf.edu

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

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

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

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

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

CAPS offers:
- Short-Term Individual Therapy
- Group Therapy and Workshops
- Crisis Intervention and Walk-Ins
  * Crisis afterhours hotline: 407-823-2811 Press #5
- Couples Therapy
- Group Presentations and Workshops
- Consultation to Faculty and Staff and parents
- Referral Services to community and campus resources

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

Creative School for Children
Director: Rhonda Moore
CSC1; 407-823-2726
Email: csc@ucf.edu
http://csc.sdes.ucf.edu

The Creative School for Children is an Educational Research Center for Child Development that provides quality early learning experiences for children ages 2-5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC) and is certified Florida Gold Seal. The learning environment in the Creative School classroom is facilitated by highly skilled, degreed teachers who offer a wide variety of experiences in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned field trips and special family programs are part of the yearly schedule. Creative School offers the Florida State Voluntary PreK (VPK) program for age eligible four year old children and now offers an evening program for children ages 2 years to 12 years. Evening care runs concurrently with the UCF and Creative School academic calendar. Experiences in observation and training in the academic areas are available to university students and opportunities for educational research are available to university faculty, undergraduate and graduate students. The school enrolls children of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday. Evening program hours are 5:35 p.m. to 9:15 p.m., Monday through Thursday during the fall and spring semesters.

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

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

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

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

The Major Exploration Program has been developed to provide structured experiences to assist students are undecided about a major. Students are provided major exploration and career development connections as primary advising initiatives so they can make an informed decision 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)
Director: Keira Kant
PH 216; 407-823-5105
Email: fy@ucf.edu
http://fyae.sdes.ucf.edu/

The First Year Experience Office combines orientation with extended first year transition programs including UCF’s official Welcome Week: Pegasus Palooza, LINK and the Strategies for Success course. It assists entering freshmen and transfer students with their transition to the University of Central Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registering for classes. Students register for the program by visiting the First Year Experience website at http://fyae.sdes.ucf.edu. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide co-curricular educational programming and activities. Students also have the opportunity to serve as Orientation Team (O-Team) leaders and peer mentors for the Strategies for Success course. Finally, FYE oversees the Pegasus Parent Program which aims to provide students and family members of UCF students with important information about UCF and its resources. Family Weekend is a part of the Pegasus Parent program and occurs every fall semester during a home football game weekend.

Fraternity and Sorority Life/Housing and Development
Director: Clay Coleman
4100 Greek Park Drive (Fraternity and Sorority Life Building); 407-823-2072
http://fsld.sdes.ucf.edu

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the develop-
Division of Student Development And Enrollment Services

ment of active advising, leadership development, and programmatic support to engage members in high-quality undergraduate fraternal experiences that reinforce the organization’s founding principles: scholarship, community service, campus involvement, and sisterhood/brotherhood. It encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council (PAN), Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

Fraternity and Sorority Life can offer students a “home away from home,” a scholastic support system, networking opportunities, an organization for community service, transferable skills for management and leadership development, and a foundation for long-lasting friendships. You can follow what’s happening within the Greek community through our Facebook page or our Events page. Currently, we have 47 fraternities and sororities on UCF’s campus with more than 3,500 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

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

Health Services (HS)
Director: Michael Deichen, M.D.
HC 309; 407-823-2701
http://hs.sdes.ucf.edu

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

The UCF Health Center is staffed by Board-certified physicians, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical 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.

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

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

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

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

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

The Department of Housing and Residence Life offers regularly enrolled single students paying tuition and fees for a minimum of nine credit hours housing on the Orlando campus and the Rosen College of Hospitality Management campus. Orlando main campus housing is available for freshmen, upperclassmen, transfer, and graduate students. The Rosen College of Hospitality Management campus has housing available for all classes of hospitality students. Married and family student housing is not available.

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

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

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

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

Lesbian Gay Bisexual Transgender Questioning/Queer (LGBTQ) Services
SU 304A; 407-823-1027
http://www.ucf.edu/lgbtq

The mission of Lesbian Gay Bisexual Transgender Questioning/Queer (LGBTQ) Services is to connect our diverse student population to opportunities, resources, and each other to achieve the vision of a stronger, healthier, and more equitable world for LGBTQ+ people and their allies. In addition to serving as an entry point to students seeking LGBTQ+ resources and support, the LGBTQ Services office also helps coordinate signature LGBTQ+ cultural programs at UCF such as: History Month, National Coming Out Day, Transgender Day of Remembrance, Transgender Week of Visibility and the annual Lavender Celebration. LGBTQ Services additionally advises the SGA agency Pride Coalition and supports the LGBTQ+ communal space Pride Commons located in Fellin Commons.

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

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

Off-Campus Student Services and Student Neighborhood Relations (OCSS-SNR)

Assistant Vice President, Student Development and Enrollment Services: A.J. Range

Off-Campus Student Services and Student Neighborhood Relations assist students with their search for off-campus housing accommodations. The OCSS-SNR provides resources from the local off-campus apartment communities regarding student housing. This office also offers information and instructions for students wishing to sublease their off-campus apartment; “moving off-campus” consultations; information about local services, i.e. transportation, furniture rental information, dry cleaning, shopping, and utilities.

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

Office of Student Involvement (OSI)

Director: Michael Preston
SU 208; 407-823-6471
Email: OSIassist@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 and enhance the campus environment. Students and staff collaborate to develop programs and services which encourage student’s personal growth, to promote civic responsibility, to embrace differences, and to connect students to the campus and the community.

To fulfill our mission, the Office of Student Involvement staff members oversee the registration and management of more than 450 registered student organizations (RSOs’s), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Homecoming, Knight Camp, Knightcast, Knight-Thon, Knights of the RoundTable (KoRT), Late Knights, Student Government Association (SGA), Student Outreach Services, and Volunteer UCF (VUCF). OSI wishes to support all members of our UCF community and encourages any person in need of a special accommodation to participate in our programs or services to email us at osiassist@ucf.edu. OSI is funded by the Student Government Association.

Office of Student Rights and Responsibilities (OSRR)

Director: Dana Juntunen
FC 227; 407-823-6960 or 407-823-4638
http://osr.sdes.ucf.edu; http://concern.sdes.ucf.edu

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

Office of Integrity and Ethical Development

Director: Jennifer Wright
FC 142; 407-823-3477
http://iied.sdes.ucf.edu

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

Office of Student Conduct

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

The Office of Student Conduct addresses alleged violations of the “Rules of Conduct” contained within the Golden Rule Student Handbook. Our goal is to educate students, faculty and staff on the issues related to the student conduct, community responsibilities, and behavioral expectations in the Rules of Conduct in the Golden Rule Student Handbook. This office is also responsible for admission clearances, and behavioral decisions. OSRR also publishes, 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://goldenrule.sdes.ucf.edu.

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

PRIME STEM Student Support Services Program

Director: Rebekah McCloud
HPH 208; 407-823-4165
Email: rebekah.mcloud@ucf.edu
http://prime.sdes.ucf.edu

The PRIME STEM Student Support Services Program addresses the academic and social needs of eligible students enrolled at UCF who are first-generation in college, have a documented disability, and/or demonstrate financial need that are pursuing STEM related majors: Science, Technology, Engineering, and Mathematics. All PRIME STEM Project scholars have an opportunity to participate in a student success course, complete mandatory academic advising, be exposed to faculty, staff, and community partners who are employed in STEM occupations, and a host of other services including: tutoring, financial literacy, academic success workshops, problem solving, conflict management, communication and social skills. We strive to provide the safest, cleanest, highest quality, most dependable and enjoyable services. The RWC aspires to create an environment in which we celebrate the differences we share across the spectrum of human diversity.

Recreation and Wellness Center (RWC)

Director: James Wilkening
RWC; 407-823-2408
http://rec.ucf.edu

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

The UCF Recreation and Wellness Center strives to both set and stay ahead of the national standards for university recreational programs and facilities by offering unique and innovative student development and leadership opportunities, while seeking to be inclusive and adaptable to the needs of all UCF students.

RWC is comprised of six different programs: Athletic Training, Aquatics, Fitness, Intramural Sports, Outdoor Adventure and Sport Clubs. Seven outdoor facilities, one main building and the new RWC @ Knights Plaza satellite facility make up the RWC. The Recreation and Wellness Center facilities and programs offers are open to students of any ability with a valid UCF ID. Memberships are available to non-students. The RWC is funded by the Student Government Association (SGA).
Registrar's Office
University Registrar: Brian C. Boyd
MH 161; 407-823-3100, Registration HelpLine: 407-823-3533
Email: registrar@ucf.edu
http://registrar.sdes.ucf.edu

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

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

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

The SSYC office has primary responsibility for connecting undeclared (no major) and undecided sophomores and second year freshmen students to various campus resources, academic advising for major & career exploration, academic support services, and transition assistance to the appropriate college advising office or department. SSYC also provides advising support to accelerated FTIC’s (First Time In College students) entering UCF with 30 or more college credits earned from AP, IB, CLEP, Cambridge AICE, and/or dual enrollment courses; and sophomores and second year freshmen who are changing their majors or need assistance in transitioning to the appropriate college advising support office. SSYC collaborates with the College advising support units, and other campus student support offices, in providing information sessions and advising support as part of the “Sophomore Connections” programming conducted each fall semester.
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, learning consultations, 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, engineering, computer science, 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, engineering, statistics, and biology, to name a few. In total, SARC provides group tutoring for more than 30 different courses.

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

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

Student Disability Services (SDS)
Director: TBA
FC 185; 407-823-2371
http://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), 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 academic or curricular 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 orientation with the office or request further documentation. Students must be registered with SDS to be eligible to receive academic and co-curricular 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 Matthew Betz
SU 214; 407-823-2191
http://www.ucfsga.com

The Student Government Association’s purpose is to represent student views on issues affecting UCF and to promote 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 park admissions, 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, Pride Coalition, Knight-Thon, Knights of the Round Table, Knightcast, and much more. Most programs are allocated by the Student Government Association for these services comes from Activity and Service Fees that students pay during registration. Additionally, student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights at the local, state, and national levels.

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

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

Student Leadership Development (SLD)
Director: Stacey Malaret
SU 207; 407-823-2223
http://sls.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 last several weeks to two years. The focus is to provide a variety of leadership options that recognize students have different needs, time constraints, and levels of interest.

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

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

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

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

Student Legal Services provides students with advice and consultation, including court representation, in selected areas of law such as landlord/tenant disputes, consumer issues, wills, uncontested divorces, name changes, Chapter 7 Bankruptcy, 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; including those attending the regional campuses, Rosen College, and the College of Medicine. Students in need of legal services should contact the Student Legal Services office to schedule an appointment.

Student Outreach Services (SOS) at Rosen College of Hospitality Management
SOS Student Staff: sosrosen@ucf.edu
9907 Universal Blvd., Suite 202-B, Orlando, FL 32819;
407-903-8238

Student Outreach Services (SOS), as a part of the Office of Student Involvement, creates involvement opportunities for students at the Rosen College of Hospitality Management. These opportunities include social and educational programming driven by students. Involvement in Registered Student Organizations (RSOs) is also an option for Rosen students.

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

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

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

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

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

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

The University Testing Center administers the Accuplacer: Critical Thinking Test, Distance Learning/Correspondence Exams; Florida Teacher Certification Examination (FTCE); Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); UCF Math Placement Test; R/N Predictor, and Test of Essential Academic Skills (TEAS).

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

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

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

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

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

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

To maintain eligibility for VA education benefits, students must adhere to the policies and procedures for VA educational benefits as noted on the GI Bill website (http://www.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 CCAC transcripts to the Undergraduate Admissions Office.

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

For Fall and Spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9 to 11 credit hours for three-quarter-time benefits, and 6 to 8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on VA Chapter. Check Veterans Services website for Summer term course load and other FAQs.
Students currently enrolled at UCF and another institution may receive VA educational benefits, but first must complete the appropriate Transient Form and consult with Veterans Services. Veterans and eligible dependents who desire to change their major, or pursue a dual major, dual degree, or who add a minor may receive VA educational benefits but must obtain approval from DVA before taking any of the applicable courses. This includes a minor in military science. NOTE: some majors may have extra elective hours that can be used for courses for a minor or another major.

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct. Individuals placed on academic probation must raise their grades to a UCF GPA of 2.0 or above and be removed from probation within the next two semesters to continue to receive benefits.

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

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

Effective August 1, 2011, the Post-9/11 GI Bill pays only for public school in-state tuition and fees. Out-of-state tuition is no longer paid for by the VA. The University of Central Florida is designated as a VA “Yellow Ribbon” institution to help defray the out-of-state tuition. Out-of-state student veterans and dependents may apply for “Yellow Ribbon” program eligibility when certifying their GI Bill educational benefits. Please go to: http://varc.sdes.ucf.edu/assets/documents/ucfyellowribbonprogram_rules.pdf for more information.

Wellness and Health Promotion Services including the Campus Alcohol and Other Drug Intervention Program
Director: Tom Hall
CAPS and RWC: 407-823-2924/407-823-5841
http://whps.sdes.ucf.edu

Wellness and Health Promotion Services (WHPS) aims to assist every UCF student in being a “Healthy Knight” and coordinates the campus Healthy Knights 2020 initiative. WHPS recognizes the role of lifestyle in health, 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, and healthy relationships. A variety of services are provided, including screening, education, health promotion, alcohol and other drug assessment and evaluation, short term intervention, and referrals for treatment, along with HIV Testing & Counseling, massage therapy, and biofeedback assisted relaxation training.
Transfer and Transition Services

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

Transfer and Transition Services helps students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. or articulated A.S. from a DirectConnect partner school are guaranteed admission (upon meeting admission criteria). Partner institutions include Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College. Florida Florida College System institution and university A.A. graduates are guaranteed certain rights and privileges according to the statewide Articulation Agreement. Students transferring with an A.S. in one of the statewide articulated degree programs should refer to the “Articulated A.S. 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 academic advising for transfer students before and after they enroll at UCF
- Pre-admission academic advising for students applying to UCF; DirectConnect advising available at Valencia College East Campus
- Advising for students who are undeclared, undecided, or changing majors
- Peer Mentors provide advising and transition assistance by telephone, email, and office appointments
- Student information and advising HOTLINE 407-823-5959
- Website for transfer students (http://transfer.sdes.ucf.edu)
- Transfer Knights social club; Tau Sigma Transfer Honor Society
- Orientation advising and assistance
- Written articulation agreements between UCF and other universities and colleges

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

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

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

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

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

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

**What Are the Foreign Language Requirements?**

**Admission Requirement:** To be admitted you should complete two years of the same foreign language or American Sign Language in high school (document by submitting an official high school transcript), or 8-10 credit hours in the same language at the college level, or pass a CLEP or other proficiency examination. Students admitted without this requirement must satisfy 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 after your admission to UCF. The TSR is the basis for constructing a Degree Audit, which applies earned credits toward your intended degree program. The audit provides you with an assessment of which degree requirements have been met and which remain to be satisfied. You will use the audit to schedule courses that meet your remaining requirements.

### Transfer Checklist

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

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

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

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

When Do I Pay My Bill?

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

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

Can Transfer Students Participate in The Burnett Honors College?

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

Transfer Tips:
Office Visits for Transfer Advising

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

Students should:

- Submit your application as soon as you have earned 45 credit hours, at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted “contingent upon completion of the A.A.” if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
- Complete the “Immunization Form.” Registration is not allowed without the completion and approval of this form.
- Complete the “Free Application for Federal Student Aid” (FAFSA). To be considered for all aid available, your financial aid file should be complete by March 1.
ACADEMIC ADVISING

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

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

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

New FTIC Students can expect to:
1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit;
   c. An awareness of expectations for success at UCF; and
   d. Information about key academic policies and important deadlines.
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, LEARN Living Learning Community, STEP, the College Achievement Program (CAP), Pegasus Success Program, SOAR program and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (HPH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)
   c. Sophomore and Second Year Center (SSYC) - for freshman students entering UCF with 30 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (HPH 215)

These offices provide students with general education advising, academic exploration for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year experience. For more information about the first year advising offices and their services, please see the “Student Development and Enrollment Services” chapter of this Undergraduate Catalog.

3. Participate in programs and advising activities that will promote a successful transition from high school to the university.
4. Transition to an academic advising office within the college of the student’s chosen major after the completion of his or her first year.

The Burnett Honors College

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

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

College of Arts and Humanities

Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other inquiries. CAHSA is located in Colbourn Hall (CNH) room 201 and advisors can be reached by phone at 407-823-3312 or via email at cahsa@mail.ucf.edu. Students can also access CAHSA’s website at: http://www.cahsa.ucf.edu

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

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

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

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

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

Continuing students will:
1. Meet with an academic advisor in the Office of Undergraduate Student Support (USS, BA2 101) during the first enrolled term to petition any relevant transfer work into their degree program;
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 and Human Performance
New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education and Human Performance admission requirements needed for enrollment in upper division education classes;
   b. Review degree program requirements;
   c. Understand expectations and responsibilities associated with a career in education;
2. Be advised by the College of Education and Human Performance’s Undergraduate Advising Office (ED 110) if their major is Elementary Education or Education Pending. Academic advising sessions may be scheduled by calling 407-823-3723;
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education and Human Performance admission requirements. The advisor’s name and telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment; and
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education and Human Performance based on program requirements.

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

College of Engineering and Computer Science
New students will:
1. Meet with the Engineering and Computer Science Academic Affairs representative in a group setting during Orientation to:
   a. Review the College of Engineering and Computer Science (CECS) academic policies and procedures;
   b. Plan an appropriate first term schedule;
2. Meet with a faculty advisor in the department of their major to:
   a. Understand the career options of the major;
   b. Discuss degree program requirements; and,
3. Be advised in the CECS Academic Affairs Office (ENG1 107) if Undecided Engineering majors. Students are encouraged to seek advisement on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.

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

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

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

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

Continuing students will:
1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities;
3. See an advisor in the Office of Student Services and Advisement (OSSA) if pending major for limited-access Medical Laboratory Sciences program during the first few weeks of each semester to check progress toward eligibility for application to the major;
4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time.
Complete all schedule changes by the end of the published add period;
6. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the Office of Student Services and Advisement (OSSA), by the end of the term prior to the term in which graduation will occur; and,
7. Pre-health professional students: See Pre-Health Professions Advisor in HPA1 124, 407-823-2670.

Pre-Health Professions Advisement
The Pre-Health Professions Advisement Office (HPA1 124; 407-823-2670) serves all students University-wide preparing for and seeking admission to professional schools of medicine, osteopathic medicine, dentistry, optometry, pharmacy, podiatry, veterinary medicine, chiropractic, physical therapy, and physician assistant programs. The services range from basic advising in pre-health professions matters, to providing a Composite Evaluation of the student to each professional school to which the student applies (upon his/her request after at least 30 credit hours of typical undergraduate pre-health professions courses taken at UCF).

Pre-Health Professional Planning
Preprofessional advisement deals primarily with application and admission procedures to professional schools.
Admission to a health professional school is highly competitive. Pre-health professions students are expected to be high achievers, and to obtain good grades with heavy loads and rigorous course combinations.
Most professional schools expect applicants to present at least a “B” average and to carry a minimum of 15 credit hours each term, with the exception of Summer term.
Each student is urged to carefully select a degree-granting major. This will not only allow one to become more competitive for admission, but also to prepare for an alternate career in the event admission to a professional school is denied. Any degree-granting program may be selected as a major; however, the science majors generally lend themselves most adequately to pre-health professions preparation as their curricula includes many courses required for admission to most professional schools.

All students seeking admission to 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-

Academic Advising

Continuing students will:
1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities;
3. See an advisor in the Office of Student Services and Advisement (OSSA) if pending major for limited-access Medical Laboratory Sciences program during the first few weeks of each semester to check progress toward eligibility for application to the major;
4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time.
Complete all schedule changes by the end of the published add period;
6. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the Office of Student Services and Advisement (OSSA), by the end of the term prior to the term in which graduation will occur; and,
7. Pre-health professional students: See Pre-Health Professions Advisor in HPA1 124, 407-823-2670.

Pre-Health Professions Advisement
The Pre-Health Professions Advisement Office (HPA1 124; 407-823-2670) serves all students University-wide preparing for and seeking admission to professional schools of medicine, osteopathic medicine, dentistry, optometry, pharmacy, podiatry, veterinary medicine, chiropractic, physical therapy, and physician assistant programs. The services range from basic advising in pre-health professions matters, to providing a Composite Evaluation of the student to each professional school to which the student applies (upon his/her request after at least 30 credit hours of typical undergraduate pre-health professions courses taken at UCF).

Pre-Health Professional Planning
Preprofessional advisement deals primarily with application and admission procedures to professional schools.
Admission to a health professional school is highly competitive. Pre-health professions students are expected to be high achievers, and to obtain good grades with heavy loads and rigorous course combinations.
Most professional schools expect applicants to present at least a “B” average and to carry a minimum of 15 credit hours each term, with the exception of Summer term.
Each student is urged to carefully select a degree-granting major. This will not only allow one to become more competitive for admission, but also to prepare for an alternate career in the event admission to a professional school is denied. Any degree-granting program may be selected as a major; however, the science majors generally lend themselves most adequately to pre-health professions preparation as their curricula includes many courses required for admission to most professional schools.

All students seeking admission to professional schools should enroll in SLS 2311, Overview of Selected Medical Careers, in their first Spring semester at UCF.
Additionally, prudent use of elective hours in the curricula will permit other appropriate pre-health professions courses to be obtained.
All pre-health professions students are strongly encouraged to participate in the activities of one or more of the student health related organizations.

Curricula Guidelines
All pre-health professions students are strongly encouraged to enroll in SLS 2311 (Overview of Select Medical Careers) the first Spring semester they are enrolled. This course provides a broad exposure to the various four-year health professions. In addition, the entire pre-

professional process (academic preparation, applications, admission tests, interviews, admissions, scholarships, etc.) is explained in depth.
All pre-health professions students should complete the following science courses (many of which are applicable to the GEP) to meet the variable requirements of the Florida medical schools:

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

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

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

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

Continuing students will:
1. If accepted in a nursing program, see a faculty advisor during the first few months of each semester to review program courses and check progress toward graduation.
2. If a nor pending major, see an advisor in the College of Nursing, Office of Undergraduate Student Services, during the first few weeks of each semester to check progress toward eligibility for application to the major.
3. View a Degree Audit through myUCF; and,
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which graduation will occur.

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

New students will:
1. Meet in a group setting during Orientation with representatives from the College of Sciences to discuss college policies and procedures;
2. Meet with representatives of the department of the major to discuss major requirements and plan what courses to take;
3. Refer to COSAS any questions pertaining to General Education requirements, AP and CLEP credit, Gordon Rule, university credit hour requirements, university policies and procedures, etc.;
4. Register for classes at a central location; and,
5. Check their “Fee Invoices” to ensure accuracy of their class schedule.
**Continuing students will:**
1. Contact the department of their major and meet with a faculty or professional advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is still appropriate;
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 first 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 schedules.

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

**Graduating students will:**
1. During the term prior to your term of graduation, do all of the following:
   - Review COS graduation instructions available at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
   - Complete the on-line graduation application on myUCF within the dates specified at http://www.registrar.sdes.ucf.edu/calendar; and,
   - Receive a review of their degree audit by a COSAS advisor and may be required to see a COSAS advisor to review status.

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

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

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

Orlando Campus students may receive supplemental advising on the Regional Campus, in partnership with the College of the major on the Orlando Campus; this will aid the student in taking courses that are offered at the Regional Campus if they are a part of the students’ degree program.
Registration Policies
During each academic term, registration is held for all new, currently enrolled, degree-seeking and non-degree-seeking students for the following term. Registration sessions consist of Registration and Late Registration (held during the first week of classes for each term/session). Spring Registration begins following the Fall semester. Summer and Fall Registrations begin following the midterm of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at https://my.ucf.edu. Registration is available over the web using the myUCF system at https://my.ucf.edu and in the college advising offices. The dates and times for each registration period are included in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic/.

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

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 load is 15 credit hours of instruction per term. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

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

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

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

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

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

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

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

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

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the Academic Calendar). Drop/Swap or Add may be made 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 without 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.

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

Audit Registration
Students are those who desire to attend class(es) without receiving academic credit. Regular tuition and fees are assessed for Audit registration. See the “Fee Schedule” in the “Financial Information” section of the Undergraduate Catalog. Audit registration is on a space-available only 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 normally through the withdrawal procedures. New students must be accepted for admission to be eligible to audit a course. Audit forms, available on the Registrar’s website (http://www.registrar.ucf.edu) and in the Registrar’s and college advising offices, must be signed by the instructor and presented to the Registrar’s Office at the time of registration.

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

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

Limited Non-Degree Seeking Applicants
This classification allows a student to enroll in selected courses when the student may have no immediate intention of pursuing a degree program. Most opportunities in this status will occur away from the Orlando campus, for courses that are taught out of the regular semesters 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
- Students-to-Scholars
- Continuing Education
- 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.
Enrollment and Degree Verifications

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

Withdrawal Policy

The Withdrawal period for each term begins after the Drop/Swap deadline. Students remain fee liable for any classes from which they withdraw. Students may withdraw from a class and receive the notation of “W” until the deadline noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5652. Fax requests must be received by 5:00 p.m. on the last day to withdraw and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students may also mail a written request to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the request and must provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate assistance prior to withdrawing from courses. Students must withdraw from courses for an entire term with the intent of not returning to UCF. UCF may also drop courses for any future terms, or be fee and grade liable. A student is not automatically dropped or withdrawn from a class for not attending, nor can an instructor drop or withdraw a student from a class.

Late Drop: Following the close of the Drop/Swap period each term in the academic calendar, students withdrawing from courses will incur both grade and fee liability. No drop is permitted after the dropswap deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for drop after the deadline. Students seeking to petition for a late drop should contact the Office of Academic Services. Exceptions to the circumstances include, but are not limited to, death of an immediate family member, involuntary call to military service, or administrative errors created by the University. Late drops are normally for all courses taken in the term. Students must submit the completed petition and supporting documentation to the Office of Academic Services (MH 210) within six months of the end of the term for which the Late Drop is sought.

Late Withdrawal: No withdrawal is permitted after the withdrawal deadline as published in the academic calendar except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should contact the Office of Academic Services. Students who are granted a late withdrawal by Academic Services will be given a passing or failing grade assigned by the instructor of the course. The student was present in the class, and his or her permanent record will be recorded on the student’s permanent record; if failing, a “WF” will be entered which will be applied to the Grade Point Average. Late withdrawals normally are for all courses taken in the term. If approved, a late withdrawal does not refund tuition, and the student is still fee liable for the curricular courses. Students must submit a completed petition with all supporting documentation for a Late Withdrawal to Academic Services (MH 210) within one year of the end of the term for which the Late Withdrawal is sought.

Medical Withdrawal: Students who seek a withdrawal for the student’s own medical reasons must apply for a medical withdrawal following the medical withdrawal procedure. Students seeking to petition for a medical withdrawal should contact the Office of Academic Services. A medical withdrawal is intended for a student whose own medical condition prevents them from completing the semester. All required forms must be submitted to initiate the review process. The
The University uses an alphabetic system to identify student grades. Grades are assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Effective with the grade submission deadline, the desig

**Legend**

**Action**

<table>
<thead>
<tr>
<th>Action</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>I (Incomplete)</td>
<td>-</td>
</tr>
<tr>
<td>N (No grade reported by instructor)</td>
<td>-</td>
</tr>
<tr>
<td>R (Repeated course (Grade Forgiveness))</td>
<td>(followed by grade)</td>
</tr>
<tr>
<td>S (Satisfactory (w/credit)/Satisfactory Progress)</td>
<td>(Research, Thesis, or Dissertation)</td>
</tr>
<tr>
<td>T (followed by grade) Subsequently repeated (no credit)</td>
<td>-</td>
</tr>
<tr>
<td>U (Unsatisfactory (no credit))</td>
<td>-</td>
</tr>
<tr>
<td>W (Withdrawn)</td>
<td>-</td>
</tr>
<tr>
<td>WF (Withdrawn Failing)</td>
<td>0.00</td>
</tr>
<tr>
<td>WM (Withdrawal Failing)</td>
<td>-</td>
</tr>
<tr>
<td>WP (Withdrawal Passing)</td>
<td>-</td>
</tr>
<tr>
<td>X (Audit (no credit))</td>
<td>-</td>
</tr>
</tbody>
</table>

The designations of "N" may be assigned temporarily by the Registrar’s Office only in the case when a grade has not been submitted by the instructor 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 graduation. The "N" designator may not be assigned by the instructor.

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

The Grade Point Average (GPA) is the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of credit hours attempted, less hours resulting from NC, W, WP, and X 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:

\[ \text{Total Grade Points} = \sum \text{Credit Hours} \times \text{Grade Points} \]

For example:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course #1</td>
<td>3</td>
<td>3.25</td>
</tr>
<tr>
<td>+ Course #2</td>
<td>3</td>
<td>3.75</td>
</tr>
<tr>
<td>+ Course #3</td>
<td>4</td>
<td>4.00</td>
</tr>
<tr>
<td>+ Course #4</td>
<td>3</td>
<td>3.00</td>
</tr>
</tbody>
</table>

**Total:**

\[ 13 \text{ credit hours} \times 9.75 \text{ grade points} = 127 \text{ grade points} \]

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

\[ \text{GPA} = \frac{127 \text{ grade points}}{13 \text{ credit hours}} = 9.77 \text{ GPA} \]

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

**Incomplete Grade**

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

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

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

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

Attendance, Absences, or Unsatisfactory Work
Under University policy, students are not authorized to attend class unless they are on the class roll, or have been approved to audit and have paid audit fees. Students are responsible for satisfying the entire range of academic objectives as defined by the course instructor and ensuring that their class work and attendance are satisfactory. Students should understand that attendance policies and procedures vary among instructors and academic units, and they must observe any special attendance regulations stipulated by their college, school, department, program, or instructor. Reasons for acceptable absences may include 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 Sports Center, 103A; 407-823-5896.

Absences from classes for court-imposed legal obligations (e.g., jury duty or 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 a co-op assignment or attending class during each term.
- Special Student:
- A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non-degree-seeking, transient, and auditor).

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

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

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

Provisional:
A student entering from a regionally unaccredited high school, college, or university may be admitted on provisional status where appropriate. By obtaining a minimum 2.0 GPA ("C" average) at the end of the first term of attendance, the provisional status will be relinquished. 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; and,

2. Attain at least a 3.20 overall grade point average; and,

3. Honors awarded will be:
   - Summa Cum Laude for those students in the upper 2.5 percent
   - Magna Cum Laude for those students in the upper five percent, but not in the upper 2.5 percent
   - Cum Laude for those students in the upper 10 percent, but not in the upper five percent

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

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

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

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

Grade Forgiveness
Grade Forgiveness offers a student the opportunity to retake a course and earn a second grade that will be substituted for the previous grade. You may apply for Grade Forgiveness online at https://my.ucf.edu > Student Self Service > Student Center. Requests must be submitted no later than the withdrawal deadline for the term/session in which the student has registered for a specific 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 or meet degree requirements;

5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made. In addition, if the student is ineligible, the two grades will be averaged for the calculation of the GPA;

6. If a student applies for Grade Forgiveness and later withdraws, or receives an “I” grade from a “MC” grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;

7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida College System institution or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;

8. Due to the two-course limit, a student who has repeated two or more courses at a Florida College System institution or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;

9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered for a student who graduated 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 instance, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).

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

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

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

Academic Probation
Action taken when a student’s UCF cumulative GPA drops below 2.0. Academic Probation will continue until the current term and UCF cumulative GPA reach 2.0 or better. First-time-in-college students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Transfer students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Academic Probation is intended to inform students making unsatisfactory progress of their need to alter study habits and seek additional counseling. Early recognition will indicate to the student the possibility of academic jeopardy and will also allow an opportunity to demonstrate acceptable performance.

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

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

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

Readmission
A student must apply for readmission to the Registrar’s Office (MH 161) if:
1. the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);
2. the student has been academically suspended from UCF;
3. the student failed to enroll or withdrew from all classes during the readmitted term; 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 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 must request an official transcript be sent 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.

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

1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification Number (PID).
   b. A “Readmission Application Form” not accompanied by the required written statement will not be reviewed.

2. Contact the Registrar’s Office for information specific to readmission following disqualification. Please note that a plan to complete the program of study from your intended major’s department/school/college may be required as part of the readmission application packet. Until the student has been removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change; and

3. Submit to the Registrar’s Office official transcripts from all other schools attended during suspension (if applicable).

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

Readmission 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. 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.

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.

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

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

Non-Academic Admission Clearances

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

Appeal

There is no appeal of the University’s decision not to admit or readmit a student based on past misconduct. According to the Florida Administrative Code 6C-6.001(4): “Applicants denied admission shall be given notice of the denial within a reasonable period of time following the decision.” Appeal

Admissions and Standards Committee

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

Right of Appeal

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

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

Academic Amnesty Program

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

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

1. Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college advising office. This plan will include the following:
   a. The specific terms of the student’s academic history to be nullified by satisfactory completion of the Academic Amnesty Program;
   b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;
   c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,
   d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.
2. The UCF Admissions and Standards Committee will determine a student’s eligibility for entrance into the Academic Amnesty Program.

Athletic Eligibility and Retention Committee

The Athletic Eligibility and Retention Committee (AERC) has oversight of the athletic participation of students who engage in intercollegiate athletics. It relies on information gathered from the Office of Athletic Compliance, the Office of Academic Services for Student-Athletes, coaches and the individual student. Student-athletes who desire to continue their athletic participation while being on academic probation, must have the written support of their coach, complete a written document stating their methods and dedication to improve their level of academic achievement and the approval of the AERC. The committee shall review each applicant’s academic potential and current status and determine conditions for the individual’s degree of continued participation in intercollegiate athletic activities.
Name Changes
To change the legal name maintained on the student’s official UCF record, the student must submit a completed “Change of Name” form and supporting documentation to the appropriate UCF office. Attach to the form a copy of a legal name change document (e.g., marriage certificate, divorce decree, etc.). Undergraduate students must submit the form to the Registrar’s Office (MH 161). Graduate students must submit the form to the Graduate Studies Office (MH 230). Current UCF employees and those students who have been UCF employees within 12 months of the date the name change is requested must submit the form to the Human Resources Office (12565 Research Parkway). The “Change of Name” form is available from the Registrar’s Office at MH 161 or online at http://www.registrar.ucf.edu.

In addition to legal name changes, the University provides students the option for a Preferred Name. Students wishing to establish a preferred name option may accomplish this by submitting the Change of Name Form to the Registrar’s Office.

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

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

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

Third Attempt Course Repeat Surcharges
All students enrolled in undergraduate courses for the Fall 1997 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Completed courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee, Student Account Services (MH 109).

Exceptions to the third attempt surcharge will be considered through a Fee Appeal Process. Exceptions to the repeat course fee requirement shall be based only on extenuating circumstances, or financial hardship.

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

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

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

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

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

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

Major, Minor, Undergraduate Certificate Policies

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

Majors
The University assigns the major that the student indicated on the “Application for Admission or Readmission.” It is the student’s responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” or “Undecided” major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “Pending” category to the equivalent major (e.g., “Business Pending” to “Accounting”). If the new major is a different subject from the “pending” major (e.g., “Business Pending” to “History”), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residency, students entering UCF in an “Undeclared” or “Undecided” category may retain their Catalog when initially selecting a major. Students can change majors online at https://my.ucf.edu > Student Self Service > Student Center > other academic (drop down menu) > Change Major: Request. Follow the directions on that page.

Minors
A Minor is a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field. A student may declare a minor at any point during the first term of enrollment up to but no later than the online submission of the online “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from a single UCF Undergraduate Catalog for which a student is eligible. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. Students can declare, change, or drop minors online at https://my.ucf.edu > Student Self Service > Student Center > other academic (drop down menu) > Change Major: Request. Follow the directions on that page.

Undergraduate Certificates
An undergraduate Certificate is a supplement to the bachelor’s degree program/major. Certificates are optional. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate
Academic Regulations and Procedures

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, or head of the academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official will advise the student of the correct official to whom the request should be addressed;

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

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

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

Directory Information
FERPA authorizes the University to classify certain information concerning students as “directory information,” which means that it may be released to anyone upon request. Directory information at UCF includes:
   • name
   • current mailing address
   • telephone number
   • date of birth
   • major field of study
   • dates of attendance
   • enrollment status
   • degrees and awards received
   • participation in officially registered activities and sports
   • athletes’ height and weight

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

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

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

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

The University of Central Florida provides a number of options by which students may shorten the time required to complete the baccalaureate degree. These options permit the University to recognize high levels of academic achievement and acquisition of knowledge prior to or during attendance at the University. Procedures that may be used include the Advanced Placement Program (AP), the College Level Examination Program (CLEP), University Course Credit by Examination, DANTES, and the International Baccalaureate Program. 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. 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 sub-test 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) and BSC 2011C or BSC 2011 if composite score is 3 or higher.

AP Latin: Vergil

AP Latin: Latin Literature

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.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>GEP Usage</th>
<th>Score of 4</th>
<th>Score of 5</th>
<th>GEP Usage</th>
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<td>ARH 1000</td>
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<td>ARH 2050</td>
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<td>CUL &amp; HIS Found 2</td>
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<td>BSC 2010C</td>
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<td>SCI Found 1</td>
<td>CRI Hitch 2045C or 2045L</td>
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<td>CUL &amp; HIS Found 2</td>
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<td>Latin: Vergil</td>
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<td>MUT 1111</td>
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<td>Physics B</td>
<td>PHY 2053C</td>
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<td>PHY 2053C</td>
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<tr>
<td>Physics C: Electricity/Magnetism</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>PHY 2048C</td>
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<tr>
<td>Physics C: Mechanics</td>
<td>PHY 2053C</td>
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<td>PHY 2048C</td>
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<td>Same as 3</td>
<td>SOC Found 2</td>
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<tr>
<td>Russian Language &amp; Culture</td>
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<td>Same as 4</td>
<td>SOC Found 2</td>
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<tr>
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<td>Statistics</td>
<td>STA 2023</td>
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<td>MAT Found 2</td>
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<tr>
<td>Studio Art: Drawing Portfolio</td>
<td>ART 2300C</td>
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<td>Same as 3</td>
<td>Same as 3</td>
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<tr>
<td>Studio Art: 2-D Design Portfolio</td>
<td>ART 2201C</td>
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<td>Studio Art: 3-D Design Portfolio</td>
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<td>United States History</td>
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<td>CUL &amp; HIS Found 1 &amp; 3</td>
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<td>WCH 2022</td>
<td>CUL &amp; HIS Found 1</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>CUL &amp; HIS Found 1</td>
</tr>
</tbody>
</table>

*The AB subscore on the Calculus BC exam is regarded the same as a Calculus AB score.

The student has previous credit for ENC 1101 and ENC 1102; credit will be awarded for LIT 1105.
Academic Regulations And Procedures

International Baccalaureate (all modern languages)

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

**Language B (most common)**

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

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**INTERNATIONAL BACCALAUREATE**

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1005/1005L and BSC 2010C</td>
<td>SCI Found 2</td>
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<tr>
<td>Business Management</td>
<td>GEB 2011</td>
<td>SC Found 1</td>
<td>GEB 2011 and 2005</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020 and 1020L</td>
<td>SCI Found 1</td>
<td>CHM 1020/1020L and CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computer Science</td>
<td>CGS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1078 and 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td>SCI Found 2</td>
<td>ETI 1410 and 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td>SCI Found 2</td>
<td>ECO 2013 and 2023</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
<td>SCI Found 2</td>
<td>EVR 1017 and 1906</td>
<td>SCI Found 1</td>
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<tr>
<td>English A1</td>
<td>ENC 1101</td>
<td>SCI Found 2</td>
<td>ENC 1101 and 1102</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Environmental Systems</td>
<td>ISC 1050</td>
<td>SCI Found 2</td>
<td>ISC 1060 and 1906</td>
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<tr>
<td>Film Studies</td>
<td>FIL 1001</td>
<td>SCI Found 2</td>
<td>FIL 1001 and 1002</td>
<td>SCI Found 2</td>
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<tr>
<td>French</td>
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<td>SCI Found 2</td>
<td>FRE 1121C and 2200</td>
<td>SCI Found 1</td>
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<tr>
<td>Further Mathematics</td>
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<td>SCI Found 2</td>
<td>MIF 1202 and 1209</td>
<td>SCI Found 1</td>
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<tr>
<td>Geography</td>
<td>GEA 1000</td>
<td>SCI Found 2</td>
<td>GEO 1200 and 1400</td>
<td>SCI Found 2</td>
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<tr>
<td>German</td>
<td>GER 1121</td>
<td>SCI Found 2</td>
<td>GER 1121C and 2200</td>
<td>SCI Found 2</td>
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<td>History</td>
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<td>SCI Found 2</td>
<td>WOH 1030 and WOH 1999</td>
<td>SCI Found 1</td>
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<tr>
<td>Information &amp; Technology</td>
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<td>IDS 1906 (6 credits)</td>
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<tr>
<td>Islamic History</td>
<td>ASH 1900 (6 credits)</td>
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<td>ASH 1906 (6 credits)</td>
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<tr>
<td>Latin</td>
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<td>SCI Found 2</td>
<td>LAT 2230 and 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Marine Science</td>
<td>BSC 2311/2311L (3 credits)</td>
<td>SCI Found 1</td>
<td>Same as 4 (min of 6 credits)</td>
<td>SCI Found 2</td>
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<td>Math Methods</td>
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<td>MAC 1105 and 1140</td>
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<td>Math Studies</td>
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<td>MAT 1033 and MGF 1106</td>
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<td>Mathematics</td>
<td>MAC 1147</td>
<td>SCI Found 1</td>
<td>MAC 1147 and 2233</td>
<td>SCI Found 1</td>
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<tr>
<td>Music</td>
<td>MUL 1010</td>
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<td>MUL 1010 and HUM 1006</td>
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<td>Philosophy</td>
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<td>PHI 2010 and 1906</td>
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<td>PHY 2053C and 2054C</td>
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<td>PSY 2012 and 1906</td>
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<td>SPN 1121 and 2230</td>
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<td>ART 1012</td>
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*This use for General Education applies only to I.B. credit.

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**COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)**

<table>
<thead>
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<th>Exam</th>
<th>Scale Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
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<tbody>
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<td>Accounting, Financial</td>
<td>ACG 1001</td>
<td>SCI Found 2</td>
<td>Score of 59 or higher earns</td>
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<td>Accounting, Principles of</td>
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<td>Score of 60 or higher earns</td>
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<tr>
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<td>MAC 1105</td>
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<td>GER 1120C and 1121C</td>
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<td>Algebra-Trigonometry, College</td>
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<td>GER 1120C and 1121C</td>
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<td>American Government</td>
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<td>GER 1120C and 1121C</td>
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<td>American Literature</td>
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<td>GER 1120C and 1121C</td>
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<td>GER 1120C and 1121C</td>
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<td>Spanish Language</td>
<td>SPN 1120C</td>
<td>SCI Found 2</td>
<td>GER 1120C and 1121C</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
<td>SCI Found 1</td>
<td>GER 1120C and 1121C</td>
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<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EUH 2000</td>
<td>SCI Found 1</td>
<td>GER 1120C and 1121C</td>
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<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EUH 2001</td>
<td>SCI Found 1</td>
<td>GER 1120C and 1121C</td>
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</tbody>
</table>

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UNIVERSITY OF CENTRAL FLORIDA
Academic Regulations and Procedures

minimum of two semesters (min. 6 credits) of Elementary Language II and Intermediate Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

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

CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
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<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
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<tr>
<td>Art and Design (AS-Level)</td>
<td>ART 1006</td>
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<tr>
<td>Art and Design (A-Level)</td>
<td>ART 1006 and ART 1907</td>
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<tr>
<td>Biology (AS-Level)</td>
<td>BSC 1052/1905</td>
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<tr>
<td>Biology (A-Level)</td>
<td>BSC 2010C and BSC 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 2011</td>
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<td>Business Studies (A-Level)</td>
<td>GEB 2011 and GEB 2005</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>
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<tr>
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<td>CHM 1020C and CHM 2045C</td>
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<td>CGS 1073</td>
<td>MAT Found 2</td>
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<td>Computing (A-Level)</td>
<td>CGS 1073 and CGS 1074</td>
<td>MAT Found 2</td>
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<td>Design &amp; Technology (AS-Level)</td>
<td>ETI 1462C</td>
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<td>Design &amp; Technology (A-Level)</td>
<td>ETI 1462C and ETI 1906</td>
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<tr>
<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
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<td>Economics (A-Level)</td>
<td>ECO 2013 and ECO 2023</td>
<td>SOC Found 1</td>
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<tr>
<td>English - English Language (AS-Level)</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
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<tr>
<td>English - Language &amp; Literature in English (AS-Level)</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
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<tr>
<td>English - Literature in English (AS-Level)*</td>
<td>ENC 1101 or ENC 1102</td>
<td>COM Found 1 and COM Found 2</td>
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<td>English - Literature in English (A-Level)#</td>
<td>ENC 1101 and ENC 1102</td>
<td>COM Found 1 and CUL and HIST Found 2</td>
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<td>Environmental Management (AS-Level)</td>
<td>EVR 1001C</td>
<td>SCI Found 2</td>
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<tr>
<td>French Language (AS-Level)</td>
<td>FRE 1121</td>
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<tr>
<td>French (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
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<tr>
<td>French Literature (AS-Level)</td>
<td>FRW 3100</td>
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<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
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<tr>
<td>General Paper</td>
<td>IDS 1110</td>
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<tr>
<td>Geography (AS-Level)</td>
<td>GEA 1000</td>
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<tr>
<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
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<td>German Language (AS-Level)</td>
<td>GER 1121</td>
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<td>German (A-Level)</td>
<td>GER 1121 and GER 2200</td>
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<tr>
<td>History - The History of the USA, c. 1840-1968</td>
<td>AMH 2042</td>
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<td>History - Modern European History, 1789-1939</td>
<td>EUH 2031</td>
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<td>History - International History, 1945-1991</td>
<td>WOH 2040</td>
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<td>Latin (AS-Level)</td>
<td>LAT 1121C</td>
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<tr>
<td>Marine Science (AS-Level)</td>
<td>OCE 1001</td>
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<td>Marine Science (A-Level)</td>
<td>OCE 1001 and OCB 1000</td>
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<tr>
<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
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<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
<td>MAT Found 1</td>
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<td>Music (AS-Level)</td>
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<td>Music (A-Level)</td>
<td>MUH 1001 and 2011</td>
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<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
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<tr>
<td>Physics (A-Level)</td>
<td>PHY 2053C and PHY 2054C</td>
<td>SCI Found 1</td>
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<td>Psychology (AS-Level)</td>
<td>PSY 1212</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SOC Found 2</td>
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<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
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<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
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<tr>
<td>Spanish (AS-Level)</td>
<td>SPN 2210 and SPN 2231</td>
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<td>Spanish Literature (AS-Level)</td>
<td>SPW 1101</td>
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<tr>
<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103</td>
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<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and PHI 1906</td>
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<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000</td>
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<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and HFT 2100</td>
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</tbody>
</table>

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

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

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

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

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

**CLEP Language Examinations**

A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or equivalent level (generally numbered 1120). A score at or above the second CLEP threshold (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 for an examination. Degree credit will be awarded for those courses successfully completed by departmental examination. Credit by examination may not be used to reduce the 30 credit hours residency requirement. Credit by examination will not be given for any course lower in content than courses in the same discipline in which students are currently enrolled or which they have already completed or failed. Permission to take an examination is approved by the chair of the department and the dean of the college in which the course is offered.

**Cambridge AICE Exams (see table on previous page)**

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

**DANTES Examination Credit (see table below)**

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

**Excelsior College Examinations (see table below)**

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

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### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
<th>Passing Score 2008 Revised Exams</th>
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<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
<td>48</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
<td>48</td>
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<tr>
<td>Business Law II</td>
<td>BUL 2242</td>
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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>
<td>49</td>
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<td>Environment and Humanity</td>
<td>EVR 1017</td>
<td>46</td>
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<tr>
<td>Ethics in America</td>
<td>PHI 1630</td>
<td>46</td>
<td>400</td>
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<td>Foundations of Education</td>
<td>EDF 1002</td>
<td>46</td>
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<td>Fundamentals of College Algebra</td>
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<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
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<td>General Anthropology</td>
<td>ANT 2000</td>
<td>47</td>
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<td>History of the Vietnam War</td>
<td>AMH 2059</td>
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<td>Human Resources Management</td>
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<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
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<tr>
<td>Intro to Computing</td>
<td>COS 1050</td>
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<td>Intro to the Modern Middle East</td>
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<td>Intro to World Religions</td>
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<td>48</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>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
<td>45</td>
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<td>Lifespan Developmental Psychology</td>
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<td>Management Information Systems</td>
<td>ISM 1000</td>
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<td>400</td>
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<td>Money and Banking</td>
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<td>Organizational Behavior</td>
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<td>Personal Finance</td>
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<td>Physical Geology</td>
<td>GLY 1000</td>
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<td>Principles of Finance</td>
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<td>Principles of Financial Accounting</td>
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<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>47</td>
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<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
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<td>Principles of Statistics</td>
<td>STA 2014</td>
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<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
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<td>Substance Abuse</td>
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<td>Technical Writing</td>
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<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
<td>47</td>
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### EXCELSIOR COLLEGE EXAMINATIONS TABLE

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

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

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

Degrees Awarded Posthumously

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

Choice of Catalog (Catalog Year) and Continuous Enrollment

A student must graduate under the 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 College System institutions or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

Continuous enrollment is defined as being enrolled in classes without a break of two or more consecutive regular semesters/terms (i.e., Fall and Spring, or 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 listed below. In some cases, an alternate course in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as “Alternate Courses: General Education Program.” Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate “General Education Requirements Met” upon written request. If they have completed UCF’s GEP requirements with a GPA of 2.0 or better, UCF will accept a similar statement on transcripts received from Florida College System institutions and universities in lieu of completion of the University’s General Education Program.

Students enrolled in courses that use the “NC” grade must earn a grade of “C-” (1.75) or better.

General Education Program Learning Objectives

Communications Foundation

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

Cultural and Historical Foundation

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

Mathematical Foundation

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

Social Foundation

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

Science Foundation

- Demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations.
## General Education Program (GEP) Courses (36 credit hours required)

Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.

<table>
<thead>
<tr>
<th>A. Communication Foundation</th>
<th>36 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ENC 1101 Composition I</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. ENC 1102 Composition II</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>3. SPC 1608 Fundamentals of Oral Communication</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>3. SPC 1603 Fundamentals of Technical Presentations</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>3. COM 1000 Introduction to Communication</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B. Cultural and Historical Foundation</th>
<th>9 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. EUH 2000 Western Civilization I</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. ARH 2050 History of Western Art I</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. ARH 2051 History of Western Art II</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. MUL 2010 Enjoyment of Music</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. THE 2000 Theatre Survey</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. FIL 1000 Cinema Survey</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. REL 2300 World Religions</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. PHI 2010 Introduction to Philosophy</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. LIT 2110 World Literature I</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. LIT 2120 World Literature II</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C. Mathematical Foundation</th>
<th>6 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. MAC 1105C College Algebra</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. MGF 1106 Finite Mathematics</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. CGS 1060C Introduction to Computer Science</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. STA 1063C Basic Statistics using Microsoft Excel</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. STA 2014C Principles of Statistics</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D. Social Foundation</th>
<th>6 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ECO 2013 Principles of Macroeconomics</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. PSY 2012 General Psychology</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. SYG 2000 Introduction to Sociology</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. ANT 2000 General Anthropology</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E. Science Foundation</th>
<th>6 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. AST 2002 Astronomy PR: High School Algebra or MAC 1106C</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>1. PHY 2053C College Physics I: MAC 1105C and MAC 1114C</td>
<td>4(3.3)</td>
</tr>
<tr>
<td>2. BSC 1005* Biological Principles</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. GLY 1030 Geology and its Applications</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. ANT 2511 The Human Species</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>2. MCB 1310 Intro to Biotechnology and Genetic Engineering</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

*A one credit laboratory is also available for this course.

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

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### Undergraduate Degree Requirements

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

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

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

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

**Alternate Courses:**

#### General Education Program

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

**GEP Requirement**

<table>
<thead>
<tr>
<th>Courses that may be taken in substitution for the stated requirements</th>
<th></th>
</tr>
</thead>
</table>

**Acceptable Substitutions**

<table>
<thead>
<tr>
<th>Courses that may be taken in substitution for the stated requirements</th>
<th></th>
</tr>
</thead>
</table>

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### Diversity Requirement

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

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

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

### General Education Courses:

- ENC 1102 Composition I
- SPC 1608 Fundamentals of Oral Communication
- SYG 2000 Introduction to Sociology
- ANT 2000 General Anthropology
- POS 2041 American National Government
- PSY 2012 General Psychology
- WOH 2022 World Civilization
- LIT 2120 World Literature II

### Other Courses:

- AMH 3422 Frontier Florida
- AMH 3425 Sunbelt Florida
- AMH 3562 Women in American History II

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**UNIVERSITY OF CENTRAL FLORIDA**

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Undergraduate Degree Requirements

1. Six hours of mathematics at the level of college algebra or higher
2. Six hours of English coursework
3. Placement in foreign language courses is based on one year of high school instruction. Placement in foreign language courses is required for all B.A. 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

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 by successful completion of the appropriate college-level course or by examination. Languages that may be used include those taught at UCF and any languages that may be used toward fulfillment of the mathematics portion of the “Gordon Rule” requirement. Students who have previously received a baccalaureate degree in a particular number of hours of course work. These may be used toward fulfillment of the mathematics portion of the “Gordon Rule” requirement.

Placement in Language Courses

Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of one high school foreign language place the student in the first semester of the third year.

Several departments, colleges, and schools have additional requirements. See the individual college and/or department

Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:

AMH 20104 Honors U.S. History: 1492 - 1877
AMH 3402 History of the South to 1865
AMH 3403 History of the South Since 1865
AMH 3441 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U. S. Military History To 1900
AMH 3561 Women in American History I
AMH 3571 Black American History I
AMH 3800 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4160 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4270 United States History: 1939-1980
AML 3021 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women's Fiction
AML 3286 Early American Women's Words
AML 3614 Topics in African-American Literature
AML 3615 Harlem, Haiti, and Havana
AML 3643 Contemporary Native American Prose and Poetry
AML 3652 Ethnic Literature in America

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

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

American Sign Language

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

SUS Foreign Language Admission Requirement

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

The Gordon Rule

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

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

Gordon Rule Requirement: GEP Courses Which Satisfy:

1. Six hours of mathematics at the level of college algebra or higher
2. Six hours of English Composition and six hours of additional

Specifically identified courses and college level writing

those from the following list:

General Education courses that apply to the Gordon Rule Writing Requirement:

ENC 1101 Composition I
ENC 1102 Composition II
LIT 2110 World Literature I
LIT 2120 World Literature II
AMH 2010 U.S. History: 1492-1877
AMH 2020 U.S. History: 1877-Present
EIH 2000 Western Civilization I
EIH 2001 Western Civilization II
HUM 2210 Humanistic Tradition I
WOH 2012 World Civilization I
WOH 2022 World Civilization II

AML 3283 Contemporary American Women’s Fiction
AML 3286 Early American Women’s Words
AML 3614 Topics in African-American Literature
AML 3615 Harlem, Haiti, and Havana
AML 3643 Contemporary Native American Prose and Poetry
AML 3652 Ethnic Literature in America

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.

2. Six hours of English coursework

(1) Six hours of English Composition and six hours of additional
(2) Specifically identified courses and college level writing

those from the following list:

Undergraduate Degree Requirements

AML 3283 Contemporary American Women’s Fiction
AML 3615 Harlem, Haiti, and Havana
AML 3643 Contemporary Native American Prose and Poetry
AML 3652 Ethnic Literature in America
A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Petition forms for exemption are available from the Academic Services website http://www.academicservices.ucf.edu/summer-waiver/.

**Admission to the Upper Division**

To be classified as an upper division student at the University of Central Florida, a student must complete the following:

1. A minimum of 60 credit hours of academic work;
2. The English and mathematics requirements of the Gordon Rule; and
3. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation Application Deadline**

Students must complete the “Intent to Graduate” online at https://my.ucf.edu in the term preceding the one in which they intend to graduate (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Program. Graduating students must be enrolled at UCF during the term of graduation. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://www.registrar.sdes.ucf.edu/commencement.

Successful completion of the degree requirements stated in the [Undergraduate Catalog](https://my.ucf.edu) under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at the University. A student must complete all requirements for a baccalaureate or graduate degree no later than the date of the Commencement. A student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the Associate of Arts degree is to be awarded.
Correspondence Courses

The University of Florida’s Division of Continuing Education, Department of Independent Study by Correspondence administers all correspondence instruction for the State University System of Florida (SUS). College credit, high school credit, and continuing professional education courses are available through regular mail and Fax (several by email). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.

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

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

Double Majors

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

Two Degrees

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

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

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

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

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

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

The Associate of Arts degree is awarded only upon application. The application form may be obtained from http://www.academicservices.ucf.edu/AA-degree and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

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

College of Arts and Humanities
Bachelor of Arts (B.A.)
Majors: Art, Digital Media, English, Film, French, History, Humanities, Latin American Studies, Music, Philosophy, Religion and Cultural 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 and Human Performance
Bachelor of Science (B.S.)

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

College of Health and Public Affairs
Bachelor of Arts (B.A.)
Majors: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration
Bachelor of Science (B.S.)
Majors: Athletic Training, Communication Sciences and Disorders, Criminal Justice, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Public Administration
Bachelor of Social Work (B.S.W.)
Major: Social Work

College of Medicine
Burnett School of Biomedical Sciences
Bachelor of Science (B.S.)
Majors: Biomedical Sciences, Biotechnology, Medical Laboratory Sciences

College of Nursing
Bachelor of Science in Nursing (B.S.N.)
Major: Nursing

College of Optics and Photonics
Bachelor of Science in Photonic Science and Engineering (B.S.P.S.E.)
Major: Photonic Science and Engineering

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

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

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

<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Health and Public Affairs</td>
<td>Aging Studies, Communication Sciences and Disorders, Criminal Justice, Emergency Management and Homeland Security, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Nonprofit Management/National Certification Program in Nonprofit Management, Public Administration, Urban and Regional Planning</td>
</tr>
<tr>
<td>College of Medicine Burnett School of Biomedical Sciences</td>
<td>Biomedical Sciences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>Event Management, Hospitality Management</td>
</tr>
<tr>
<td>Office of Undergraduate Studies</td>
<td>Environmental Studies, Leadership Studies, World Comparative Studies</td>
</tr>
</tbody>
</table>

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

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

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

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

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

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

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

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

Summary Table of University Honors Requirements

<table>
<thead>
<tr>
<th>Symposium</th>
<th>IDH 1920H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower-division</td>
<td>4 courses</td>
</tr>
<tr>
<td>Upper-division Major</td>
<td>3 courses; Vary by College and Major (see below)</td>
</tr>
</tbody>
</table>

The current upper-division requirements are as follows:

- **University Honors Upper-Division Program Requirements:**
  - College of Arts and Humanities, College of Education and Human Performance, College of Sciences, Rosen College of Hospitality Management, College of Nursing, College of Health and Public Affairs, Medical Laboratory Sciences, Information Technology, Economics (B.A.) and Interdisciplinary Studies majors
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete one Honors upper-division course or Interdisciplinary Seminar
  3. Complete one Honors upper-division course, Interdisciplinary Seminar, or Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130H</td>
<td>Legal &amp; Ethical Environment of Business</td>
</tr>
<tr>
<td>GEB 3356H</td>
<td>Introduction to International Business</td>
</tr>
<tr>
<td>MR 3023H</td>
<td>Marketing</td>
</tr>
<tr>
<td>FIN 3403H</td>
<td>Business Finance</td>
</tr>
<tr>
<td>MAN 3025H</td>
<td>Management of Organizations</td>
</tr>
<tr>
<td>MAR 3203H</td>
<td>Supply Chain Management</td>
</tr>
</tbody>
</table>

Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Note: Please refer to the “UCF Courses and Descriptions” section of this Undergraduate Catalog for information on direct prerequisites for the above courses. Consult with an Honors advisor to find out when these courses are being offered.
1. Complete one Honors Interdisciplinary Seminar
2. Complete two Honors upper-division Computer Science courses

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

University Honors Upper-Division Program Requirements: Computer Science majors
1. Complete one Honors Interdisciplinary Seminar
2. Complete two of the following Honors upper-division courses

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

University Honors Upper-Division Program Requirements: College of Medicine (excluding Medical Laboratory Sciences majors)
1. Complete one Honors Interdisciplinary Seminar
2. Complete two of the following Honors upper-division courses

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

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

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

Honors in the Major
Application for admission to the Honors in the Major program will be submitted to TBHC following consultation by the student with the Department Chair or Honors in the Major Coordinator in the student’s major department. This program is designed to encourage original and independent work by the student. Two copies of the thesis, project, or creative work will be published through the University library. An Honors in the Major Handbook outlining the procedures for completing this program is available online at http://research.honors.ucf.edu/Honors_in_the_Major/. Requirements for admission to Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 graded upper-division hours at the University of Central Florida; at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution. Students must also seek approvals by the department from which Honors in the Major is sought and from the Director of Research and Civic Engagement of TBHC.

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

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

The student must file an "Intent to Graduate with Honors in the Major" form with the TBHC Office of Research and Civic Engagement by the third day of classes of the semester of their anticipated graduation date. A student who completes all of the requirements for Honors in the Major, including maintaining at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses, will have the designation of "Honors in (subject area)" noted on the diploma and the University transcript. Note: No student with a "Z" designation on his/her final transcripts is eligible to graduate with Honors in the Major. If you have any questions about these requirements, please contact TBHC at 407-823-6402 or honorsresearch@ucf.edu.

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

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

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

OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards 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 can visit http://www.opa.honors.ucf.edu or contact OPA by phone at 407-823-4019, by email at OPA@ucf.edu, or by visiting BHC 102A.

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

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

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

Prelaw Program

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

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with approximately three-fourths of the course work representing theory content is typically suggested. Majors such as English, History, Legal Studies, Philosophy, Sociology, and Political Science meet this criterion. The quality of undergraduate education for the professional preparation, 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 Prelaw Advisor.

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

Advisement

CAH Student Advising (CAHSA)

Director: Delia Garcia
CNH 201; 407-823-3312
Email: cahsa@ucf.edu
http://cahsa.cah.ucf.edu

CAH Student Advising (CAHSA) is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of 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: Africana, American, Asian, Judaic, Latin American, Caribbean and Latin/o/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.

Africana Studies - Contact: Anthony Major; 407-823-0026
American Studies - Contact: Lynn Hepner; 407-823-2251
Asian Studies - Contact: Paul Giordano; 407-823-2472
Judaic Studies - Contact: Moshe Pelli; 407-823-5039
Latin American, Caribbean and Latin/o/a Studies - Contact: TBA; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225
Russian Studies - Contact: Vladimir Solonan; 407-823-6617

International Study Centers

Undergraduate Inter-institutional Transient Program

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

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

Programs, Tracks, and Degrees

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

Departments and Programs

Africana Studies: Program

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

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Latin American Studies, Political Science, Psychology, Sociology, Anthropology, Film, Theatre, and the Sciences. The program's 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: Africana Studies
American Studies: Program
Contact: Lynn Hepner
CAH 190; 407-823-2251

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

Degrees: None
Tracks: None
Minors: American Studies

Asian Studies: Program
Contact: Paul Giordano
CNH 523; 407-823-2472

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (Anthropology, Art History, Economics, English, Foreign Languages, History, Humanities, Philosophy, Political Science).

Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program
Program Director: TBA
VAB 117; 407-823-2676

A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for students who are majoring in Art, Music, Theatre, or English.

Degrees: None
Tracks: None
Minors: Community Arts

Department of English
Chair: Patrick Murphy
CNH 405; 407-823-1159
Email: english@ucf.edu
http://www.english.cah.ucf.edu/

Faculty: Angley, Applen, Bartkevics, Campbell, Casmier-Paz, Cato, Dombrowski, Flamma, Gleyzon, Grajeda, Hasanat, Hohenleitner, Hubbard, Jardaneh, A. Jones, D. Jones, Kamrath, Kesler, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwakanma, Oliver, Poissant, Pugh, Rodriguez-Milanes, Roney, Rushin, Schell, Seidel, Stap, Telep, Thaxton, Trouard, Uttich, Young; Professors Emeriti: Adicks, Barnes, Omans, Schillhorst

The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, Linguistics, rhetoric, and creative, expository, and technical writing. Students may concentrate in creative writing, technical communication, or literature. The Department serves the broad needs of the University with course offerings in writing and literature for students from other departments. The department has a Technical Documentation Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional students, leading to graduation with honors. Program description follows concentration in degree plans.

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

Department of History
Chair: John Sacher
CNH 551B; 407-823-2225
Email: history@ucf.edu
http://history.cah.ucf.edu/

Faculty: Adams, Beller, Cassanello, Clark, Crepeau, Dandrow, Darty, Farless, Fernandez, Foster, French, Gannon, Gordon, Head, Herring, Kallina, Larson, Lester, Lindsay, Long, Lyons, Martinez-Fernandez, Murphree, Nair, O’Shea, Oztoglu, Pineda, Sacher, Solonari, Walker, Walters, White, Zhang; Faculty Emeriti: Colbourn, Leckie-Reed, Pauley, Shofner

History is the study of the past. Its objective is to understand the past, and through the past, to understand the present. The discipline of history is more than 2,500 years old and remains a vital body of knowledge in the 21st century.

Students who are interested in becoming a lawyer should seriously consider a major in history as a foundation for law school. Law is a historical phenomenon and part of the political, social, and economic processes that have contributed to the success of the United States. An understanding of history lends great insight to the function of, and motives behind, the legal system. In addition, a careful study of history will enable the student to become effective in oral and written communication while developing intellectual skills in critical thought and analysis, both of which are invaluable to the study of law.

The Department participates in the programs in Women’s Studies, American Studies, Africana Studies, Asian Studies, Digital Humanities, Judaic Studies, Middle Eastern Studies, and Latin American, Caribbean and Latino Studies.

Degrees: History (BA, MA, Accelerated MA)
Tracks: None
Minors: Diplomacy, History, Middle Eastern Studies, Russian Studies

Judaic Studies: Program
Program Director: Moshe Pelli
CNH 415 E-J; 407-823-5039 or 823-5129
Email: judaicst@ucf.edu
http://www.judaicstudies.cah.ucf.edu

Faculty: Hanson, Pelli

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The program offers instruction, conducts research, and disseminates knowledge in the civilization of the Jewish people from Biblical times to the present day in the major dimensions of its creativity: literature, language, religion, philosophy, law, and social, political, and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university’s curricula.

The program enables students to acquire a foundation of knowledge of Jewish history, the Hebrew language, Jewish philosophy, culture, religious beliefs, and political aspirations; and to understand the contribution of Judaism to western civilization. The courses highlight major aspects of Jewish civilization, focusing on its interaction with other cultures and on the bodies of human knowledge upon which it draws. The program is designed to serve students pursuing careers in general or Jewish education, in communal works and Middle-Eastern affairs, in languages, humanities, or liberal arts, in the ministry or rabbinate, and in the community at large.

Degrees: None
Tracks: None
Minors: Judaic Studies
Certificates: Judaic Studies

Latin American Studies: Program
Program Director: TBA
CNH 122; 407-823-1173
Email: latinamerica@ucf.edu
http://las.cah.ucf.edu/

The Latin American Studies BA and Minor provide students with an interdisciplinary knowledge of and the necessary tools to understand Latin America, the Caribbean, and Latinos in the United States. Students completing the minor will be prepared to apply their knowledge on the areas covered by the minor in a variety of careers 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
College of Arts and Humanities

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

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

Degrees: None
Tracks: None
Minors: Middle Eastern Studies

Department of Modern Languages and Literatures
Chair: Paul Giordano
CNH 523; 407-823-2472
Email: flfaculty@ucf.edu
http://mll.cah.ucf.edu/


The Department provides instruction in Arabic, Chinese, French, Italian, Japanese, Portuguese, Russian, and Spanish, with majors in French, and Spanish. These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), TESOL (MA)
Tracks: None
Minors: French, Italian, Russian Studies, Spanish
Certificates: TEFL, Translation

Department of Philosophy
Chair: TBA
PSY 220; 407-823-2273
Email: philosophy2@ucf.edu
http://www.philosophy.cah.ucf.edu/

Faculty: Cash, Coverston, Dacey, DiBernardo, Evans, Fiore, Gleig, Janz, Jones, Kassim, Kuang, Mundale, Park, Rodgers, Schippert, Stanlick, Strawser, Walker; Professor Emeritus: Congdon, Flick

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

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

Department of Writing and Rhetoric
Chair: Elizabeth Wardle
CNH 307I; 407-823-0576
Email: writingandrhetoric@ucf.edu
http://writingandrhetoric.cah.ucf.edu/

Faculty: Barnickel, Bell, Bowdon, Bryan, Cavanagh, Ethridge, Gomrath, Guenzel, Hall, Henken, Hepner, Holic, Ives, Lauren, Marinaro, Martin, Martinez, McBride, Mohrenne, Owens, Pigg, Richardson, Ringfield, Rios, Rounsaville, Schell, Schutz, Scott, Stack, Taylor, Tripp, Walls, Wardle, Weaver, Wolcott, Wright, Zemlinsky

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

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

School of Performing Arts
Director: TBA

Music:
Chair: Jeffrey Moore
PAC M203; 407-823-2879; Fax: 407-823-3378
Email: music@ucf.edu
http://www.music.cah.ucf.edu/


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

Degrees: Music (BA, MA), Music Education (BME), Music Performance (BM)
Tracks: Music Performance, Composition, Jazz Studies
Minors: Music, Performing Arts Administration

Theatre:
Chair: Christopher Niess
PAC T210A; 407-823-2862
Email: theatre@ucf.edu
http://www.theatre.cah.ucf.edu/

Faculty: Boyd, Brotherton, Brown, Chicurel, Harris, Heil, Helsinger, Ingram, Lartonoix, Listengarten, McDonald, Niess, Perry, Routhier, Rusnock, Scott, Seay, Shaper, Siegfried, Snyder, St. Claire, Tan, Tolkeston, Weaver, Wood; 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

Women’s Studies: Program
Program Director: M.C. Santana
CNH 122; 407-823-6502
Email: womensst@ucf.edu
http://www.womensstudies.cah.ucf.edu/

Faculty: Preston-Sidler, Santana, Tweed

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

Degrees: BA (Interdisciplinary Studies)
Tracks: Women’s Studies Track in Interdisciplinary Studies
Minors: Women’s 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
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 College System institution and a minimum overall GPA of 2.0.
- Common Program Prerequisites with a minimum of a 2.0 GPA and "C" or better in each class.
- Completion of all Gordon Rule requirements.

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of “C” (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at Florida College System institutions do not substitute for upper division courses. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
BE 2020
UCF Business. . . the Best Undergraduate Business Education in Florida. In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 2000 (BE2000) curriculum focused on four competencies that are integrated throughout all coursework: Teamwork, Communication, Creativity, and Adapting to Change. These four competencies were expanded in 2002 to include Ethics and Diversity. Today the BE 2020 degree program is a continuing refinement of the curriculum based on the ever changing needs of business. Faculty working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

GEB 3031 Cornerstone
GEB 3356 Introduction to International Business
BUL 3130 Legal and Ethical Environments of Business
ECO 3411 Quantitative Business Tools II
FIN 3403 Business Finance
MAN 3025 Management of Organizations
MAR 3203 Supply Chain and Operations Management
MAR 3023 Marketing
MAN 4720 Strategic Management

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

College of Business majors must maintain a 2.0 or higher cumulative Grade Point Average in all classes taken within the College of Business Administration at UCF. Failure to maintain the required 2.0 GPA, will result in the student being placed on Lack of Progress (LOP) in the College. Lack of Progress in the College will continue until such time as the student’s cumulative GPA, in all business courses reaches 2.0 or higher. If a student on LOP in the College of Business, fails to achieve a 2.0 cumulative minimum GPA in all business classes in the subsequent term, that student will be dropped as a Business major. A student who is dropped may seek re-admission as a Business major by submitting a petition indicating the reasons for academic difficulties and positive plans for achieving a College of Business GPA of 2.0 or higher. Readmission is not automatic.

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

Community/Junior College Transfer Notes
1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida’s community and junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2101), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3411 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.
2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of “C” (2.0) or higher transfer into the program.
3. Florida College System institution students are advised to complete the Associate of Arts Degree including:
   a. The general education requirements, including Gordon Rule requirements;
   b. All of the common program prerequisite courses.

4. Courses taken at Florida College System institutions do not substitute for upper division courses.
5. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
6. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/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.

Advisement
Undergraduate Student Services
Director: TBA
BAZ 101; 407-823-2184

The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business. Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services staff in BAI 101 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/students/undergraduate/.

Programs and Degrees

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<td>Real Estate</td>
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Departments and Programs
Kenneth G. Dixon School of Accounting
Director: Sean Robb
BA 437; 407-823-2871

Assistant to Director: M. Hampton
BA 438; 407-823-5675

Faculty: Allen, Arnold, Dennis, Desai, Durham, Dwyer, Goldwater, Hampton, Hornik, Judd, Kelliher, Klintworth, Lako, Robb, Roberts, Roush, Schmitt, Smith, Sutton, Trompeter, Veit, Welch, Yu

Mission Statement
The mission of the Kenneth G. Dixon School of Accounting is to develop and deliver strong undergraduate and graduate programs, support and produce nationally and internationally relevant accounting research, and engage meaningfully with the academic and practitioner accounting communities.

Distinctive Benefits
- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching and research excellence.
- Over a dozen scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of the accounting and taxation programs.

Degrees: Accounting (BSBA, MSA, MST, Ph.D.)
Minor: Accounting
College of Business Administration

Department of Economics
Chair: M. Dickie
BA2 305-D; 407-823-3266;
Email: economics@ucf.edu

Faculty: Aysun, Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerking, Gibbs, Guld, Hofler, Martin, Milton, Moore, Pennington, Potter, Scroggin, Soksin, Underwood
Faculty Advisors: Michael Caputo
BA2 302Q, 407-823-1405
Email: mcaputo@ucf.edu;
D. Scroggin
BA 302U, 407-823-4129
N. Underwood
BA 302N; 407-823-1403

Economic issues dominate today’s news and public debates more than ever before. Inflation, unemployment, health care, economic growth, pollution, poverty, and international economic relations are a few of these issues. The primary strength of Economics is that it provides a logical, ordered way of looking at most problems and issues. Undergraduate education in Economics equips individuals to both understand and seek solutions to these issues.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields, or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.

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

Degrees: Business Economics (BSBA) Economics (BA)
Minors: Economics, Economic Policy

Department of Finance
Chair: A. Byrd
BA 409; 407-823-3575

Faculty: Ajayi, Anderson, Borde, Byrd, Chen, Choi, Curcio, Frye, Gao, Gilkeson, Gregg, Park, Ramanial, Schnitzlein, Smith, Strum, Swooe, Turnbull, Whyte

The program in finance is designed to provide the student with broad knowledge in finance, including business finance, investments, financial institutions, international finance, risk management and insurance, and real estate. The program provides the student with the theoretical background and tools of analysis required for making effective financial decisions. The study of finance prepares the student for careers in business financial management, investments, banking and real estate.

Distinctive Benefits
- Students prepare for career opportunities in business and corporate financial management, commercial banking, real estate, investment management and counseling, investment banking, mortgage banking, multinational business, insurance and government.
- Students who major in finance are sought by both financial and non-financial firms.
- The rapidly changing domestic and international economies need individuals who have the skills to make sound financial decisions.

Degrees: Finance (BSBA), Real Estate (BSBA)
Minors: International Business, Real Estate, Finance
Certificates: Banking, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

General Business
Faculty Advisor: S. Goodman
BA 335; 407-823-2679

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

Degrees: General Business (BSBA, MBA, Ph.D.)
Minors: For non-Business majors

Department of Management
Chair: Stephen Goodman
BA 309; 407-823-2679

Faculty: Ambrose, Baz, Becker, Blencze, Boettcher, Ciuchta, Cleavenger, Connell, Crossley, Dagher, Danneels, Ford, Harris, Holland, Jarley, Jones, Kulkut, Leo, Migenes, Nichols, O'Donnell, O'Neill, Porter, Quinn, Rains, Rockmore, Saunders, Schminke, Taylor, Viggiano

Tomorrow’s managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations.

The curriculum is designed so that students can choose to concentrate in either of two specialized areas: Entrepreneurship or Human Resource Management. Alternatively, students can choose to major in General Management which allows them to take a broader variety of course work and prepares them for general management responsibilities.

The department’s goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team player, but ideally a team leader. Whether the student is studying leadership, motivation, staffing, or international management, the curriculum will sharpen students’ skills in problem identification, analysis, and solution. This track can lead to a variety of rewarding careers in management positions throughout the organization. The department offers more specialized training - using the same approach - via our Human Resource Management track.

Career paths include positions in training and development, personnel and employee relations, equal opportunity and labor relations, human resource consulting, and more. For students interested in starting their own business or working for smaller fast growing organizations, the department offers specialized training via the Entrepreneurship Track.

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

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

Department of Marketing
Chair: Ronald E. Michaels
BAZ 307; 407-823-2108
http://www.bus.ucf.edu/marketing/

Faculty: Allen, Bhardwaj, Cole, Desiraju, Gundy, He, Joshi, Krishnamoorthy, Leon, Mao, Massiah, Mayfield-Garcia, Michaels, Quaintance, Sooder, Steiger, Stock, Tafaghodijami, Vadakkepatt, Valdez, Wang

The marketing major provides a superior education in foundation areas such as research, consumer behavior, professional selling,
marketing management, and strategy. Our curriculum focuses on building skills in communication, teamwork, critical thinking, analysis, and thinking strategically. Among the things you will learn are how to conduct sales calls, analyze sales and profit reports, prepare marketing plans, and construct marketing strategies—knowledge and skills that will make you highly marketable and successful. A wide assortment of marketing electives is designed to let each student round out his/her education according to individual career interests, whether that might be retailing, advertising, e-business, research, professional selling, sport marketing, healthcare marketing, entertainment marketing, or services. The curriculum is delivered by highly-talented faculty members and offers you a superior educational experience while at UCF. Students majoring in marketing have the opportunity to earn a personalized certificate in any of seven special interest areas. The certificate program combines elective courses with an internship, and enhances your value to potential employers.

The department’s highest visibility offering is the professional selling program (track within the major). Admission to this renowned program is competitive; application and interview are required. Scholarships for this program are available and awarded on a competitive basis. Please see our department website for more details.

A minor in marketing requires 19 hours. This course of study provides a strong basic education in marketing for College of Business students with majors other than marketing or students with majors from other Colleges. Earning a minor in marketing can add significant value and career flexibility for any UCF student with any major. Marketing internships are available (application necessary) and there are several vibrant marketing-related student organizations in which you can participate.

**Distinctive Benefits**
- Innovative curriculum for marketing majors and minors.
- Renowned Professional Selling Program is offered within the marketing major; application required.
- Seven certificate programs are available for marketing majors.
- A 19-hour marketing minor is available for students with majors other than marketing.
- Twenty dynamic faculty members are among the strongest teachers in the College.
- Comprehensive course offerings are available each semester and summer—you can finish!
- Strong emphasis on preparing students for careers in marketing management.
- Approximately 15 scholarships are awarded annually on a competitive basis.
- Opportunities to participate in internships and honors in the major programs.
- Opportunities to participate in student chapters of the Society for Marketing Professional Services, the Ad Club, and the Sales Club.

**Degrees:** Marketing (BSBA)

**Tracks:** Generalist, Professional Selling Program

**Minor:** Marketing

**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. The department’s office is located in BA2 307S.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: [http://www.oeas.ucf.edu/alc/alc_students_cba.htm](http://www.oeas.ucf.edu/alc/alc_students_cba.htm)
College of Education and Human Performance
Dean: Sandra L. Robinson
ED 308; 407-823-5529
http://education.ucf.edu

Executive Associate Dean for Academic Affairs: B. Grant Hayes
407-823-2046

Assistant Dean for Research: Andrew Daire
407-823-3906

The role of the College of Education and Human Performance at the undergraduate level is to provide a high-quality education for teacher candidates in preparation for careers in early childhood, elementary, secondary/K-12, technical education and industry training and students in sport and exercise science professions. The College of Education and Human Performance is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education and Human Performance is the leading source of education baccalaureate degrees in the State of Florida.

Art Education
Early Childhood Development and Education
Elementary Education
English Language Arts Education
Mathematics Education
Science Education
Social Science Education
Sport and Exercise Science
Technical Education and Industry Training
World Languages Education

Success to Significance
- Among America’s Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State program approval and National Accreditation
- Proven and promising practices
- Partnerships with twelve Central Florida school districts, including the Florida Virtual School
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies, such as TeachLive
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Teaching Academy
- Toni Jennings Exceptional Education Institute
- Morgridge International Reading Center
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- 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
- Elementary and English Language Arts Education majors 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 and Human Performance

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

- Complete the University General Education requirements or an equivalent (i.e., an AA degree from an approved Florida College System institution or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Development and Education.
- Pass all four parts of the General Knowledge Test (GKT). It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year. All teacher preparation programs require GKT.
- 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 common program prerequisite area.
- Complete State University Foreign Language Admission requirement: 2 years in high school or 1 year in college of the same foreign language or American Sign Language.
- Complete Gordon Rule Requirement.
- Complete a change of major request to move from education to the intended education major upon successful completion of admission requirements.

Transfer Notes:
Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida College System institution are 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. Be classified as education pending until admission requirements are met and a change of major request has been submitted.
2. Meet college advising representatives in a group setting during Orientation:
   a. Discuss College of Education and Human Performance admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
3. Be advised by the College of Education and Human Performance Undergraduate Advising office (ED 110) if their major is Elementary Education or Education Pending. Advising sessions may be scheduled by calling 407-823-3723.
4. Be assigned to an academic advisor in the area of their major upon completion of College of Education and Human Performance admission requirements. The advisor’s name and email address appear on the Degree Audit and in myUCF to assist students in making an advising appointment.
5. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education and Human Performance based on program requirements.

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

Office of Undergraduate Affairs and Partnerships

Executive Director: Bryan Zugelder
ED 110, 407-823-3723
http://education.ucf.edu

Located in the Education Complex in Suite 110, the Office of Undergraduate Affairs and Partnerships comprises Undergraduate Affairs, Undergraduate Advising, Recruitment & Retention, Clinical Experiences, and the UCF School & Community Partnership.

Mission Statement
The mission of Undergraduate Affairs and Partnerships is to promote student development and success through collaboration with College of Education and Human Performance faculty, staff, administrators and partners.

Clinical Experiences
Coordinator: Jodie Nichols
ED 110, 407-823-2518
http://www.education.ucf.edu/clinicalexp/

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

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

Application deadlines for all Internships are:
- February 15 for Fall semester
- September 15 for Spring semester

Internship I
Internship I is a three semester hour experience. Students are assigned to work with state-defined, qualified supervising teachers. Students are enrolled in additional courses during the experience, outlined in the program listing of the catalog. Additional courses may be taken only with the consent of the academic program coordinator and department chair. The Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

Admission to Internship I
Admission to Internship I will be granted to students who have been admitted to the College of Education and Human Performance and who meet the following additional requirements at the time of application:

- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a “C-” (1.75) or better in all prerequisite methods/specialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Complete a formal application for Internship I online by deadlines listed above.
- Meet any special departmental or program requirements.
- Be recommended by the faculty of the department of the student’s major.

NOTE: It is highly recommended that students take and pass the FTCE Subject Area Examination and Professional Education Test before applying for Internship II.
Internship II
Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program. Internship II is a 9-12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II
Admission to Internship II will be granted when students have met the following requirements at the time of application:
- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam and Professional Education Test before applying for Internship II.
- Possess a minimum overall GPA of 2.5
- Possess minimum professional preparation GPA of 2.5* (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas.
- Complete a formal application for Internship II by the published deadline
- Be recommended by the faculty of the department of the student’s major
- Meet any special departmental or program requirements

The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences in schools and districts where there are available placements.

*Some programs may specify a different GPA requirement for admission to Internship II.

Recruitment and Retention Program
Coordinator: Caroline Marrett
ED 110; 407-823-4409
http://education.ucf.edu/mtrrp/

Minority Teacher Recruitment and Retention Program (MTRRP)
The Minority Teacher Recruitment and Retention Program (MTRRP) is designed to recruit and retain diverse students as they prepare for a 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 and Human Performance as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application by the deadline
- Complete 20 hours of community service for each semester the scholarship is received

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

Undergraduate Advising
Director, Undergraduate Affairs: Andrea Small
ED 110, 407-823-3723

The Undergraduate Advising office assists students with orientation, registration information, general academic advisement, college and university academic requirements and graduation certification. Students are encouraged to make an early appointment with an academic advisor. All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in appointments and advising sessions. Information regarding majors offered by the College of Education and Human Performance can be obtained in the Office of Undergraduate Affairs and Partnerships or at http://education.ucf.edu/ugrad/Admission to the University of Central Florida does not imply admission to the College of Education and Human Performance. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education and Human Performance after they have been admitted to the College.

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

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 Human Performance and Teacher Education.

UCF School and Community Partnership
Executive Director: Bryan Zuegelder
ED 110; 407-823-3723

The UCF School and Community Partnership is a consortium of the university, schools, community organizations and professional associations (local, state, national) and is based on the National Council for Accreditation of Teacher Education standards for Professional Development Schools (PDSs).

Department of Child, Family, and Community Sciences
Chair: Edward “Mike” Robinson
ED 209-E; 407-823-6106
Faculty/Academic Administrator: Brenda Thompson
ED 206-E 407-823-6579

Faculty: Butler, Cintron, Conley, Cox, Daire, Dieker, Edwards, Ezell, Hagedorn, Hayes, Hines, Hundley, Jones, Lambie, Little, Lue-Stewart, Munyon, Pratt-Marrett, Marino, Martin, Owens, Reyes-Macpherson, Richardson, Robinson, Taub, Van Horn, Vasquez, Vitale, Whitman, Wience, Young

See individual program websites and the graduate catalog for additional details. You can start by going to the department’s website: http://education.ucf.edu/departments.cfm.

Department of Educational and Human Sciences
Chair: Jay R. Hoffman
ED 209-B; 407-823-1272
Faculty Administrator: TBA
http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences

Faculty: Bai, Berry, Biddle, Boote, Campbell, Clark, Duke, Fisher, Fragalla, Gunter, Hahs-Vaughn, Harsthorne, Hirumi, Hoffman, Kian, Kuminka, Lanier, Sivo, Stout, Valdes, Witta, Xu

The Department of Educational and Human Sciences (EHS) primarily offers graduate courses and programs to prepare students in areas of Instructional Design & Technology; Research, Measurement & Evaluation; as well as Sport & Exercise Science. The EHS Department has one bachelor’s level program: Sport and Exercise Science. Students majoring in Sport and Exercise Science B.S. can select one of the following areas: Coaching, Human Performance, or Community Sport & Fitness. The Department also offers a number...
of graduate programs and provides graduate courses in educational research, measurement and statistics that are required courses or electives in a number of programs offered in other divisions in the college. In addition, the EHS Department offers both a Coaching and a Fitness Training Minor.

School of Teaching, Learning and Leadership
Director: Michael Hynes
ED 209-D; 407-823-2005
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership

Faculty Administrators and Coordinators:
Lindsay Archambault
ED 206-F; 407-823-2881
Maria Cox
ED 206-D; 407-823-1763
Melissa Feyer
ED 209-F; 407-823-0303
Janet Zajac
ED 223H, 407-823-0523


The School of Teaching, Learning and Leadership prepares candidates to work in a variety of school and community settings, such as Elementary Education, Secondary Education, Educational Leadership, and Early Childhood Development and Education*. The Elementary Education program is designed for prospective teachers interested in the education of children, who are primarily ages five through twelve. Upon program completion, candidates are eligible for Florida teacher certification, including ESOL and Reading Endorsements. Secondary Education programs are designed for prospective teachers interested in working with students in a specific content area, in middle/junior high or high school. Preparation includes special training in Biology, Chemistry, English (with ESOL Endorsement), Mathematics, Physics, or Social Science Education. Programs are available in K-12 areas, such as Art Education, Reading Education, and World Language Education (French or Spanish). The Educational Leadership master's programs provide the theoretical and conceptual knowledge base required for the principalship in Florida and other states. Ed.S. and Ed.D. students have advanced academic and practical experiences preparing them for leadership roles at the school district level, including the superintendent.

*Early Childhood Development and Education: Early Childhood Careers is an A.S. to B.S. program restricted to students graduating with an A.S. in Early Childhood Education from Seminole State College and will prepare individuals to work with infants, toddlers, and families in early childhood settings.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education and Human Performance are located at: http://oeas.ucf.edu/alc/alc_students_coe.htm
College of Engineering and Computer Science
Interim Dean: Michael Georgiopoulos
HEC 114; 407-823-2156
http://www.cecs.ucf.edu

Associate Dean for Academic Affairs: Charles Reilly
ENG1 107; 407-823-2455
Associate Dean for Research and Administration:
Ranganathan Kumar; ENG2 202; 407-823-2156
Assistant Dean for Distributed and Distance Learning:
Alfred Ducharme; ENG1 289; 407-823-5765
Director, Academic Affairs: Kim A. Small
ENG1 107; 407-823-2455
Director, College Honors Programs: Charles Reilly
ENG1 107; 407-823-2455
Director, Diversity and Inclusion: Ola Nnadi
ENG1 281; 407-823-3466

Undergraduate Majors and Degrees
Aerospace Engineering  BSAE
Civil Engineering  BSCE
Computer Engineering  BSPE
Computer Science  BS
Construction Engineering  BScCE
Electrical Engineering  BSEE
Environmental Engineering  BSVE
Industrial Engineering  BSIE
Information Technology  BS
Mechanical Engineering  BSME

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

**College Mission Statement**

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

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

**College Organization**

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of five engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Electrical Engineering and Computer Science (EECS) Department, the Industrial Engineering and Management Systems (IEMS) Department, Material Sciences and Engineering (MSE) Department, and the Mechanical and Aerospace Engineering (MAE) Department. The Department of Electrical Engineering and Computer Science offers degree programs in Computer Science, Information Technology, 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, http://www.abet.org. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, http://www.abet.org.

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC program offers a minor in Military Science.

**The Honors Program in the College of Engineering and Computer Science**

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, as well as visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in The Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HIM).

**The Honors in the Major Program**

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and would like to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers.

The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

In order to be admitted to the Honors in the Major program, the student must:

1. Have at least 60 credit hours, including at least 12 graded, upper division credit hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division courses.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Dr. Charles Reilly, Engineering 1, Room 107. For more information about The Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

**The LEAD Scholars Program in the College of Engineering and Computer Science**

Engineering and computer science students may also participate in the LEAD (Leadership, Enrichment, and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

**Additional Information on UCF Baccalaureate Engineering and Computer Science Programs**

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see
Educational Objectives

3. 

7. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

4. 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

1. The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.

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 service to the profession and society.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.

2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.

3. Graduates will solve problems involving topics from physics such as vector mechanics and equilibrium.

4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.

5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.

6. Graduates will demonstrate 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 civil engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

The Environmental Engineering Program

The Environmental Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. To attain prominence in key areas of Environmental Engineering graduate education and research.

2. To provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.

3. To promote a commitment to continued scholarship and service among our graduates.

4. To foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.

5. To 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 stoichiometry, kinetics, equilibrium and gases.

4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.

5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.

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

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

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

9. Graduates will be able to complete a comprehensive environmental engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.
The Construction Engineering Program

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which synthesize various prerequisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The prerequisites needed for the various project courses vary.

Mission

The 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 lifelong 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 an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will 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.

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 2046C (3hrs), CHM 2046L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (3hrs), Water Resources Engineering 2 (3hrs), Environmental Engineering Operations & Processes 2 (3hrs), and an Environmental Design course (3hrs).

Civil Engineering Major Pursuing Construction Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 19 additional hours to earn a Bachelor of Science Construction Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: CCE 4004 (3hrs), CCE 4034 (3hrs), CCE 4402 (3hrs), CCE 4810C (3hrs), CCE 4813 (4hrs), ACG 2071 (3hrs).

Environmental Engineering Major Pursuing Civil Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Civil Engineering degree in addition to the Bachelor of Science Environmental Engineering degree. The additional courses are: CGN 3501C (3hrs), CE Measurements (4hrs), Highway Engineering (3hrs), CES 4100C (4hrs), CES 4605 (3hrs), CES 4702 (3hrs), and a Civil Design course (3hrs).

Department of Electrical Engineering and Computer Science

Computer Science Division

Chair: Gary T. Leavens
HEC 437D, 407-823-3957

Faculty: Abdallah, Bassiouni, Boloni, Chatterjee, da Vitoria Lobo, Dechev, Deo, Eisler, Foroosh, Gomez, Gonzalez, A. Guha, R. Guha, Heinrich, Hu, Hua, Hughes, Jha, Lang, LaViola, Leavens, Llewellyn, Marinescu, Montagne, Nedorost, Pattanaik, Shah, Stanley, Sukthankar, Tappen, Turgut, Wocjan, 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-based systems, neural networks, operating systems, parallel processing, quantum computing, software engineering and VLSI design tools and hardware algorithms.
Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds from EECS. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the EECS home page at http://www.eecs.ucf.edu/.

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

Educational Objectives
1. To give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. Prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance and administration.

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

The Information Technology Program
The Information Technology program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer software, hardware, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web server design. The program provides students a strong conceptual core, which will prepare 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 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
The objectives of the Information Technology Program at UCF are that:
1. Graduates demonstrate the technical competence necessary for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.
3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Program Outcomes
By graduation each student should be able to:
1. Apply knowledge of computing and mathematics appropriate to the discipline
2. Analyze a problem, and identify and define the computing requirements appropriate to its solution
3. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs
4. Function effectively on teams to accomplish a common goal
5. Understand professional, ethical, legal, security and social issues and responsibilities
6. Communicate effectively with a range of audiences
7. Analyze the local and global impact of computing on individuals, organizations, and society
8. Recognize the need for and an ability to engage in continuing professional development
9. Use current techniques, skills, and tools necessary for computing practice
10. Use and apply current technical concepts and practices in the core information technologies
11. Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems
12. Integrate IT-based solutions effectively into the user environment
13. Understand best practices and standards and their application
14. Assist in the creation of an effective project plan
**Electrical and Computer Engineering Division**  
Chair: Zhihua Qu  
HEC 439C; 407-823-5942  
Faculty: Abichar, Atia, Batarseh, Behal, Chan, DeMara, Elashhab, Fahim, Georgiopoulos, Gong, Haralambous, Jin, Jones, Lin, Liou, Loffard, Malocha, Mikhael, Qu, Richie, Shen, Seyedi, Simaan, Suboh, Sundaram, Vosoughi, Wahid, Wang, Weeks, Wei, T. Wu, Yuan  

The Electrical and Computer Engineering division offers baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BScPE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CPE), and Doctor of Philosophy (Ph.D.) are also offered (see online Graduate Catalog).  
The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of courses. Design experiences start with the first circuits course, EEL 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 4742C and EEL 4768), Computer Science I (COP 3502C) and Digital Systems (EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.  

**Mission**  
The mission of the UCF Computer Engineering Program is to develop and disseminate the theory and methods for the design, analysis, implementation, and improvement of computer hardware, software, and systems.  

**Educational Objectives**  
The objectives of the CPE Program at UCF are that:  
1. Graduates demonstrate the technical competence necessary for engineering work in the areas of computer hardware, software, and computer communications.  
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.  
3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.  

**Program Outcomes**  
Graduates of the Computer Engineering program should attain:  
1. An ability to apply knowledge of mathematics, science, and engineering  
2. An ability to design and conduct experiments, as well as to analyze and interpret data  
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability  
4. An ability to function on multidisciplinary teams  
5. An ability to identify, formulate, and solve engineering problems  
6. An understanding of professional and ethical responsibility  
7. An ability to communicate effectively  
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context  
9. A recognition of the need for, and an ability to engage in life-long learning  
10. A knowledge of contemporary issues  
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice,  
12. A knowledge of probability and statistics, mathematics through differential and integral calculus, basic sciences, computer science, and engineering sciences necessary to analyze and design complex electrical and electronic devices, software, and systems containing hardware and software components, and  

**The Electrical Engineering Program**  
The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (ECE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4742C), Networks and Systems (EEE 3123C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/ power electronics.  

**Mission**  
The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering  

**Educational Objectives**  
The objectives of the EE Program at UCF are that:  
1. Graduates demonstrate competence leading to success in technical career within the areas of Electrical Engineering.  
2. Graduates demonstrate competence in effective communication, teamwork, and leadership skills leading to a successful career in their profession.  
3. Graduates demonstrate the pursuit of lifelong learning in their areas of interest, including graduate studies, membership in professional societies, and participating in training opportunities.  

**Program Outcomes**  
Graduates of the Electrical Engineering program should attain:  
1. An ability to apply knowledge of mathematics, science, and engineering  
2. An ability to design and conduct experiments, as well as to analyze and interpret data  
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability  
4. An ability to function on multidisciplinary teams  
5. An ability to identify, formulate, and solve engineering problems  
6. An understanding of professional and ethical responsibility  
7. An ability to communicate effectively  
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context  
9. A recognition of the need for, and an ability to engage in life-long learning  
10. A knowledge of contemporary issues  
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice  
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 can be found on the home page at [http://www.eecs.ucf.edu](http://www.eecs.ucf.edu).  

**Department of Electrical and Computer Science Policies and Procedures**  
The Department’s website ([http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send email and letters, or make phone calls to faculty members and administrators.
Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.

Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufacturing, distribution, and management system of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and process flows in EIN 3314, and to facilities design and layout in EIN 4364. The design experience concludes with a real-world system design in the capstone course EIN 4891.

Mission
To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assure challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and interpersonal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:

1. To produce graduates who assume challenging or satisfying positions in the public or private sector.
2. To produce graduates who achieve professional growth through advanced studies and/or career development activities.
3. To produce industrial engineering professionals who recognize that engineering is a global service profession that must be practiced with integrity, honesty, and objectivity.

Program Outcomes:

1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations.
4. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
5. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.
6. Students will be able to work with persons of varied backgrounds in classroom and real world projects.
7. Students will incorporate contemporary global, economic, and social perspectives into the practice of industrial engineering.

8. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems.
9. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.
10. Students will explore options for professional growth, including graduate study, conference attendance, and professional participation.


Department of Materials Science and Engineering

Interim Chair: Kevin Coffey
ENG1 207; 407-823-2175; Fax: 407-882-1462

Faculty: An, Coffey, Fang, Seal, Sohn, Vaidyanathan

The Department of Materials Science and Engineering currently offers undergraduate courses in materials science and engineering and interdisciplinary programs with core courses leading to the Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Materials Science and Engineering. A Bachelor of Science may be instituted in the near future. Materials Science and Engineering provides a broadly-based foundation in nano/microstructure, processing and manufacturing, properties and performance of materials for applications in all aspects of science and engineering.

The department strives to meet the requirements for professional careers and research in materials science and engineering with foundational course work and emphasis on hands-on laboratories and independent research experience. MSE seeks to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to “materialize” their design process to solve modern and relevant socio-economic challenges.

Details of facilities available for teaching and research may be found by following links from the MSE home page at http://www.mse.ucf.edu/.

Mission: Department of Materials Science and Engineering

The mission of the Department is to serve the industrial and academic needs of the University, the State of Florida, the nation and the international community by providing materials scientists and/or engineers with

- Ability to use fundamental and applied knowledge and the skills of the discipline in order to perform effectively in a broad range of industrial, governmental and academic positions.
- Clear awareness of ethics, quality, environments, economy, and safety.
- Focused as life-long learners, pursuing their personal and professional development to rise to positions of prominence in the technical society of tomorrow.

The department further will serve as the focal point and catalyst for the development of high quality, coordinated and visionary research and educational programs for the materials-oriented students and faculty throughout UCF.

Department of Mechanical and Aerospace Engineering

Chair: Suhada Jayasuriya
ENG1 307; 407-823-2416; Fax: 407-823-0208


The Department of Mechanical and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is...
designed to provide a broadly-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in thermal fluids and mechanical systems, including topics such as solid mechanics, dynamics and controls, vibrations, CAD/CAM/FEM, fluid mechanics, heat transfer, and structure and properties of materials.

Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and concurrent design, and culminates in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

Mission: Aerospace Engineering
In support of the University and College missions, the Aerospace Engineering program at UCF is committed to provide the highest quality engineering programs and leaders. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our Aerospace Engineering program at UCF is committed to provide the highest quality engineering programs and leaders. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our aerospace engineering graduates will be well prepared 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 of contemporary topics in aerospace technology, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.

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

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

Program Outcomes
1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structures, propulsion, flight mechanics and stability and control. Students emphasizing astronautics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, and space systems concepts.

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

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

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

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

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

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

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

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 programs 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 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 of contemporary topics in aerospace technology, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.

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

4. Life-long Learning: To produce graduates who believe that their undergraduate 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 or energy systems 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 solutions 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 and their uses in engineering practice.

Department Policy for Double Degree in Mechanical and Aerospace Engineering
The faculty of the Mechanical and Aerospace 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 Mechanical and Aerospace Engineering desiring to obtain a double degree shall meet the following requirements:

- The student shall meet all major requirements for each degree.
- Additional 22 credit hours beyond the major courses for the double degree should be upper level engineering related course work approved by the department and cannot be counted toward both degree programs.
- 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.

Aerospace Engineering Major Pursuing Mechanical Engineering Additional Degree
Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Mechanical Engineering degree in addition to the Bachelor of Science Aerospace Engineering degree. The additional courses are: Must take EML 3500: Machine Design. Must select 2 courses from the following 5 options: EML 3101: Thermodynamics of Mechanical Systems (3hrs) or MEE 3400: Machine Design II (3hrs), or EML 4313: Intermediate Dynamics and Controls (3hrs), or EML 4143: Heat Transfer II (3hrs), or EML 4703: Fluid Mechanics II (3hrs). Must select 1 course from the following 2 options: EML 4306C: Energy Systems Lab (3hrs), or EML 4301C Mechanical Systems Laboratory (3hrs) and complete 10 credit hours of Approved Departmental Technical Electives.

Mechanical Engineering Major Pursuing Aerospace Engineering Additional Degree
Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Aerospace Engineering degree in addition to the Bachelor of Science Mechanical Engineering degree. The additional courses are: EAS 3101: Fundamentals of Aerodynamics (3hrs), EAS 3810C: Design of Experimental Structures (3hrs), EAS 4200C: Aerospace Structures (3hrs), EAS 4105: Flight Mechanics (3hrs), EAS 4134: High-Speed Aerodynamics (3hrs), EAS 4300: Propulsion Systems (3hrs) and 4 credit hours of Approved Departmental Technical Electives.

Reserve Officer Training Corps
Air Force ROTC (Aerospace Studies)
Chair: Colonel Todd Freese
Portable 501, Room 103; 407-823-1247, Fax: 407-823-2265
Faculty/Staff: Major Clark, Captain LaBrecque, Captain Pelquin, TSGT Stokes, SSgt Sutton, and Mrs. McCade, Office Manager

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers three-year, three and a half-year, and four-year, Air Force ROTC programs. The program provides on-campus study during the freshman through senior years to earn an Air Force commission while completing their studies. Also available is the Cross-Town program allowing community college transfer students to begin the Air Force ROTC program while dual enrolled in a designated community college for academic classes and at UCF as a non-degree seeking student for Air Force ROTC classes and activities. All programs offer scholarship opportunities to selected students. Students are invited to write requesting information. The Department of Aerospace Studies offers 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 seek a commission through the Air Force ROTC must complete the POC curriculum. The curriculum involves the study of concepts of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.

Leadership Laboratory
Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

Requirements for entry into the Professional Officer Course
- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 31 if entering Flight Training, or before age 30 (can be waives 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
- Cumulative GPA of 2.5 or higher
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course
- 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

Physical Conditioning
In addition to attending Leadership Laboratory, students enrolled in the Air Force ROTC program must also participate in physical conditioning. Physical conditioning is conducted on the UCF campus three days each week.

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. Air Force ROTC scholarships do not provide funds for room and board expenses. For additional information on Air Force ROTC call 407-823-1247 or visit our website at http://airforce.ucf.edu or email us at AFROTC@ucf.edu. This information is subject to change.

Summer Training
All students must complete a four week summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL, prior to their formal enrollment in the Professional Officer Course Curriculum. This course includes junior officer training, officer career orientation, and physical conditioning, and training for operations from austere forward deployed locations.

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 mini-
Army ROTC (Military Science)

Chair: LTC Mario Johnson

The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment or accept a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army’s Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus. Note: Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu.

Curriculum

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

1. Basic Military Science

A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MPL 1001C, MPL 1002C, MPL 2101C, MPL 2102C). Students will also participate in a Field Training Exercise (FTX). The FTX for students is 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 (MPL 3101C, MPL 3201C, MPL 3202C, MPL 4301C, MPL 4302C) consists of four semesters of classroom instruction of two hours each week and a two hour leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students enrolled in the Advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet pre-requisite requirements to contract and must obtain permission from the department chair (Professor of Military Science) through an interview process, prior to participating in the advanced course. They must also successfully complete a 32-day 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 during the Junior year and $500 during the Senior school year.

4. Scholarships

Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed $10,000 and $1,200 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

5. Placement Credit

Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service and Junior ROTC waives the Basic Course, a student that qualifies for placement credit may elect to enroll in the Basic Course.

6. Daytona Beach Campus Students

These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

Summer Training Courses

1. Basic Course Summer Training (Leader Training Course)

Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students attending the summer course receive approximately $800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. Specialized Summer Training Courses

Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include:

- a) Airborne Training
- b) Air Assault Training
- c) Northern Warfare Training
- d) Cadet Troop Leadership Training
- e) Mountain Training

3. Leadership Development and Assessment Course (LDAC)

All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Lewis Washington prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership performance and potential. LDAC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend LDAC the summer following their junior year and receive approximately $800 pay for the training.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at: http://oeas.ucf.edu/alc/alc_students_coecs.htm
College of Health and Public Affairs

Dean: Michael L. Frumkin
HPA1 365, 407-823-0171
http://www.co.hp.ucf.edu

Associate Dean, Academic Affairs and Technology:
Ross Wolf, HPA1 365, 407-823-0171

Associate Dean, Research: Thomas Wan
HPA1 219; 407-823-0171

Associate Dean, Student/Personnel Affairs: Melvin Rogers
HPA1 365; 407-823-0171

Associate Dean: Dawn Oetjen
HPA1 365, 407-823-0171

The College of Health and Public Affairs houses seven departments and schools: the School of Social Work, the School of Public Administration, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, and Health Management and Informatics.

The College fosters excellence in undergraduate and graduate education, research and community service in health, social services and justice and offers an interdisciplinary Ph.D. program in Public Affairs.

General Requirements for the Bachelor's Degree

Some programs in the College are limited access or restricted. Acceptance by or registration at the University does not constitute admission to the University.

The following School of Social Work, and the programs in Athletic Training and Health Informatics and Information Management. Separate application must be made to the appropriate program. Additional information regarding prerequisites and admission requirements may be found in this catalog.

Academic Advisement

Undergraduate Student Services

Director: Mariangelly Rente
HPA2 115, 407-823-0010
Email: hpainfo@ucf.edu

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

Programs and Degrees

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UNIVERSITY OF CENTRAL FLORIDA
Department of Communication Sciences and Disorders

Chair: Barbara Ehren
HPA2 101, 407-823-4798
http://www.cohpa.ucf.edu/comdis

Clinic Director: Debra Knox
Research Pavilion Suite 155, 407-882-0468


The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathologists or audiologists.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician's offices. The graduate program has been accredited by the Council on Academic Accreditation 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 courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA)
PhD in Education, Communication Sciences and Disorders Track

Tracks: None

Minors: Communication Sciences and Disorders

Certificates: Language Development and Disorders

Department of Criminal Justice

Interim Chair: Roberto Potter
HPA1 311 407-823-2603

Faculty: Adams, Bohm, Childs, Craig, Eastep, Flint, Ford, Gau, Henderson, Humiston, Jordan, Langworthy, Lucken, Mahan, Malendevych, Matusiak, Moreto, Paoline, Potter, Randall, Reynolds, Rhyne, Rosky, Ross, Sanborn, Surette, Watkins, Winton, Wolf

The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. Criminal Justice is a problem-based field of study which focuses on the nature of crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service. The Criminal Justice Department offers diverse courses and internships, leading to careers in the field, or preparation for graduate study. The department supports Lambda Alpha Epsilon, the professional Criminal Justice Fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society.

Degrees: Criminal Justice (BA, BS, MS)

Tracks: Scholars Track

Minors: Criminal Justice


Department of Health Management and Informatics

Interim Chair: Reid Oetjen
HPA2 210; 407-823-2359

Faculty: Cortelyou-Ward, Douglass, Falen, Fottler, Liberman, Malvey, Masri, Noblin, D. Oetjen, R. Oetjen, Ramirez, Rotarius, Sumner, Unruh, Wan, West

The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration

The Bachelor of Science in Health Services Administration program is an upper-division professional curriculum that focuses on the managerial side of the health care industry. The program curriculum is designed to provide students with the necessary industry knowledge and job skills needed by entry-level managers in a variety of health care organizations. Program graduates are prepared for entry-level management positions in all types of health care organizations, including hospitals, ambulatory care centers, medical group practices, long-term care facilities, and home health care agencies. This program will also prepare students for study in advanced degrees in Health Services Administration or related disciplines.

The program attracts a diverse student population interested in health care management. Students without a background in the health care industry are attracted to this major and are able to build a foundation in health services administration in order to enter the industry. Some students who enter the program have clinical work experience such as respiratory therapists, emergency medical technicians, radiographers, and medical laboratory technologists, while other students may hold an A.S. degree or a nationally recognized license.

The core requirements of the program have course work in areas such as health care systems, finance, administration, research, terminology, law, ethics, and economics. In addition, students are encouraged to take additional elective courses that will enhance their background in the health care industry. Participation in an internship is also required. All core courses are offered as web-based as well as face-to-face.

The Bachelor of Science in Health Services Administration program is fully certified by AUPHA-The Association of University Programs in Health Administration.

Program in Health Informatics and Information Management

Health information managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Informatics and Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

The HIIM Program is a limited access program and requires a separate application to the program by March 1 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).
Tracks

Minor

Degrees

the Legal Studies professional society. Sciences in Legal Studies. The department houses Phi Alpha Delta, requirements leads to the degree of Bachelor of Arts or Bachelor of available for law school advising. Satisfactory completion of program other graduate education. All of the full time Legal Studies faculty are legal system. The Legal Studies program, in addition to preparing stu- standing of basic principles of law and the role and function of the

Program in Athletic Training

This is a competitive program that requires a separate application pro- cess following acceptance into the University. The program in athletic training at the University of Central Florida is a six semester program where students complete educational requirements during each semester while engaged in clinical affiliations. The core of athletic training coursework empha- sizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic train- ers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an preceptor. These local affili- ation sites include but are not limited to, high schools, colleges, uni- versities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to apply to take the Board of Certification (BOC) Exam. By successfully pass- ing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

Degrees: Athletic Training (BS)
Tracks: None
Minors: None

Program in Health Sciences-Pre-Clinical Track

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to gradu- ate study or career advancement. This degree is designed to provide students with an educational background in basic and health- related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including, but not limited to: medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sci- ences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and phy- sician assistant, require a GPA of at least 3.0.

Degrees: Health Sciences (BS)
Tracks: Pre-Clinical
Minors: Health Sciences

Department of Legal Studies

Chair: James Beckman
HPA1 343; 407-823-1670

Faculty: Bast, Beckman, Brown, Cook, Cronon, Flagg, Fromang, Kirby, Koblasz, Meltzer, Milon, Pons, Scott, Slaughter, Wood

The Legal Studies Program provides students with a broad under- standing of basic principles of law and the role and function of the legal system. The Legal Studies program, in addition to preparing stu- dents for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Sciences in Legal Studies. The department houses Phi Alpha Delta, the Legal Studies professional society.

Degrees: Legal Studies (BA, BS)
Minor: Legal Studies

School of Social Work

Interim Director: Sophia Dziegielewski
HPA1 204; 407-823-2114

Faculty: Abel, Buckley, Burg, Gammonley, Hall, Hazlett-Knudsen, Kohn, Lawrence, Leon, Mann, Mazany, 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 cen- ters, 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 empha- sizing 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, Child’s Services

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at:  
http://oaeas.ucf.edu/alc/alc_students_cohpa.htm
College of Medicine

Vice-President for Medical Affairs and Dean: Deborah C. German
6850 Lake Nona Blvd., Suite 313, Orlando, FL 32827-7408
407-266-1000
http://www.med.ucf.edu

Associate Dean for Faculty and Academic Affairs and Interim Director, Burnett School of Biomedical Sciences: Richard Peppler
COM 313J; 407-266-1101
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White
Associate Director of Facilities (Burnett School of Biomedical Sciences): Robert Genarro
Associate Director of Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy
HPA2 335; 407-823-5932; Fax 407-823-3095

The University of Central Florida College of Medicine through its Burnett School of Biomedical Sciences (BSBS) offers the second largest undergraduate program in the university, B.S. in Biomedical Sciences, that meets the admission requirements for medical and other health professional school programs. The Burnett school is an integral part of the College of Medicine, making it a research-intensive medical school where cutting-edge medical research spans the entire spectrum from laboratory bench to bedside. BSBS is home to quality programs in the biomedical sciences as well as vigorous research programs focused on cancer, cardiovascular, neurological, and infectious diseases. The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. The college’s medical and biomedical programs capitalize on UCF’s existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

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

The Burnett school is educating over 2,700 undergraduate majors in the biomedical sciences including Biotechnology, Medical Laboratory Sciences, and Biomedical Sciences (also including the Biomedical Sciences Pre-professional concentration). BSBS also offers master’s degrees in Biomedical Sciences and in Biotechnology, as well as an interdisciplinary doctoral degree in Biomedical Sciences. The current graduate enrollment is approximately 120 masters and doctoral students. The college also offers an M.D. program at the new facilities. The M.D. program enrolled its first class in August 2009 and will annually increase the number of admitted students to a level that will produce 120 medical graduates each year. The current enrollment is approximately 360 M.D. students.

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

Programs and Degrees

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<tr>
<td>Medical Laboratory Sciences</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.
College of Medicine

for discovery, healing, health, and life, and for its ability to create partnerships to transform medical education and health care.

Goals

■ Achieve excellence in medical and biomedical education
■ Excel in research and discovery in biomedical science, medical education, and health care
■ Provide outstanding individualized patient care while transforming health care delivery
■ Be America’s leading partnership college of medicine
■ Establish a diversified self-sustaining infrastructure to support future operations

Burnett School of Biomedical Sciences

Interim Director: Richard Peppler
COM 313J; 407-266-1101
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White
Associate Director of Facilities (Burnett School of Biomedical Sciences): Robert Genarro
Associate Director of Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy
HPA2 335; 407-823-5932; Fax 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (including the Biomedical Sciences, Pre-professional Concentration) and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. BSBS also offers M.S. programs in Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advisement Office (PHPAO), 407-823-2670, to assist applicants with preparation for admission to professional schools in health sciences. At this time, the Burnett School has over 2,550 undergraduate students and approximately 120 graduate students. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, the Biomolecular Science Center, and the Pre-Health Professions Advisement Office.

Program in Biomedical Sciences

Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5932
Graduate Coordinator (M.S. program): Saleh Naser
BL 221; 407-823-0956
Graduate Coordinator (Ph.D. Program): Annette Khaled
BBS 355; 407-266-7035
Associate Graduate Coordinator (Ph.D. Program): Alexander Cole
BMS 236; 407-823-3633

The core curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optics, optometry, and chiropractic). The curriculum is designed to give students a thorough background in the physical and biological sciences; to develop the necessary laboratory skills and essential skills to assume leadership roles in management and education. It also prepares students in the development of a high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size to be selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st, but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS, 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119) and is approved as a training program by the State of Florida Board of Clinical Laboratory Personnel.

Degrees: Biomedical Sciences (B.S., M.S., Ph.D.)

Tracks: None

Minors: Biomedical Sciences

Program in Biotechnology

Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5932
Graduate Coordinator: Saleh Naser
BL 221; 407-823-0956

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree pro-
College of Nursing

Dean: Jean Leuner
UTWR 3RD floor; 407-823-5496
Email: ucfnurse@ucf.edu
http://www.nursing.ucf.edu

Associate Dean Undergraduate Affairs: Linda Hennig
UTWR 3RD floor; 407-823-4941

Associate Dean Graduate Affairs Susan Chase
UTWR 3rd floor; 407-823-3079

Faculty: Allred, Andrews, Aroian, Blackwell, Burr, Bushy, Chase, Conner, Covelli, D’Amato-Kubiet, Decker, Desmarais, Dever, DiChiara, Draves, Forlaw, Gibson-Young, Gonzales, Heglund, Hennig, Howe, Hoyt, Ladores, LaManna, Landreville, Leli, Leuner, Loerzel, Lopp, Mayer, MacDonald, Morse, Neubauer, Norris, Quelly, Ricci, Ritten, Sole, Talbert, Waldrop, Wink

The College of Nursing is the 11th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1981. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health care needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master’s and doctoral levels.

Today’s challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to offer high quality undergraduate and graduate academic programs designed to prepare nurses to practice in a continuously changing health care environment; to provide innovative access to education and research; to develop nurse clinicians, leaders and scholars who promote the health of diverse populations in local, national and global communities; and to touch lives lead by example and make a difference through clinical excellence, research and community service.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. 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 DNP programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access 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
Email: ucfnurse@ucf.edu
http://www.nursing.ucf.edu

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

Programs and Degrees

Major Degree
Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://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
Email: info@creol.ucf.edu
http://www.creol.ucf.edu

Associate Dean: David J. Hagan
Faculty: Abouraddy, Amezcua-Correa, Bass, Baudelet, Cerqua-Richardson, Chang, Christodoulides, Delfyett, Deppe, Dogariu, Fathpour, Glebov, Gaume, Hagan, Kar, Khajavikhan, Kik, Kuebler, Li, LiKamWa, Moharam, Richardson, Saleh, Schoenfeld, Schulzgen, Shah, Silfvast, Soileau, Stegeman, Van Stryland, Vodapyanov, Wu, Zeldovich

Undergraduate Degree
Photonic Science and Engineering

The College of Optics and Photonics (COP) was formed in 2004, as a result of the great success of CREOL (the Center for Research and Education in Optics and Lasers), which was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries. The College has offered MS and PhD degrees in Optics for many years and now offers the degree of Bachelor of Science in Photonic Science and Engineering in collaboration with the College of Engineering and Computer Science (CECS).

CREOL has become an internationally recognized institute with 30 faculty members, 63 Ph.D. level research scientists, and 120 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $50 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program.

The research activities, through centers such as CREOL, the Florida Photonics Center of Excellence (FPCE) and the Townes Laser Institute, span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include:

The faculty engage in research and education in fields utilizing radiation at wavelengths ranging from millimeter waves and THz to UV and X-rays. This includes several photonic technologies: 1) lasers, 2) optical fibers, 3) semiconductor and integrated photonic devices, 4) nonlinear and quantum optics, and 5) imaging, sensing and display. These technologies have applications in industry, communication and information technology, biology and medicine, energy and lighting, aerospace, and homeland security and defense. Design of optical systems, which has been the core of optical engineering, remains to be a principal component of the discipline, and advanced topics such as nanophotonics, attosecond optics, metamaterials, plasmonics, and biophotonics, have been embraced as areas of strength and future growth. These programs are supported by over $10 million of research grants and contracts annually from numerous federal and state agencies and industry.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 70 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.

Advisement

Since the Photonic Science and Engineering Bachelor’s degree is jointly offered with CECS, advisement on general engineering requirements is available through the CECS Academic Affairs Office. Program Specific Advisement is available through the COP Associate Director, Academic Support Services. Contact the CREOL main reception.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Optics and Photonics are located at:
http://oeas.ucf.edu/alc/academic_learning_compacts.htm
The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and pre-lawological 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 55 undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs. For information concerning graduate programs, please refer to the Graduate Catalog: http://www.graduatecatalog.ucf.edu.

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 as defined by each department (see program specific requirements). Some departments also require a minimum grade in specified courses and/or 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 (see “Foreign Language Requirements” under specific program requirements).

Preprofessional Programs

Prelaw Program
Prelaw Advisor: Roger Handberg
PH 302; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions

The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional Concentration for additional information.

Advisement

College of Sciences, Academic Services (COSAS)
Director of Undergraduate Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
Email: cosas@ucf.edu
http://undergraduate.cos.ucf.edu/

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COSAS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the “First Year” advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation as well as students with low major GPAs. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.

Programs and Degrees

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<td>Advertising-Public Relations</td>
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<td>Anthropology</td>
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<td>Computer Forensics</td>
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<td>Conservation Biology</td>
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<td>Mass Communication</td>
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<td>Medical Anthropology</td>
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<td>North American Indian Studies</td>
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<td>Physics</td>
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<td>BA, MA, PhD, Minor</td>
</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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</tbody>
</table>
Department of Chemistry

Chair: Kevin D. Belfield
PS 255; 407-823-2246
Email: chemstaff@ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino
Undergraduate Coordinator, Forensic Science: Gerald Mattson

Faculty: Ballantyne, Belfield, Blair, Campiglia, Chumbimuni-Torres, Clausen, Daoudi, Dixon, Elsheimer, Frazier, Harper, Hampton, Hernandez, Hickman, Igarashi, Kolpakshikh, Kuebler, Kujawa, Liao, Mattson, Miles, Miller, Patino, Rex, Richardson, Sigman, Ye, Yeh, Yoshibsky, Yuan, Zou

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)
Tracks: Biochemistry (BS), Forensic Analysis (BS, MS), Forensic Biochemistry (BS, MS)
Minors: Chemistry

Nicholson School of Communication

Director: 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;
Email: nassc@ucf.edu


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

1. Advertising-Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.
2. Human Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.
3. Journalism: Provides knowledge of theory and skills needed for careers as a mobile and digital journalist (newspapers, magazines, broadcast, and online forms of mass communication).
4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-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 multimedia instructional classrooms. The Radio-Television program has fully-equipped audio and video production facility, a complete multi-camera television studio, an online radio station and laboratories for interactive multimedia. The Journalism program has a computer writing and media lab. The Advertising-Public Relations program has a computer writing and media lab. The Human Communication program has a presentational speaking classroom equipped for audio/video record/playback and computerized visual presentation. The Human Communication program also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

Degrees: Advertising-Public Relations (BA), Communication (MA), Human Communication (BA), Journalism (BA), Radio-Television (BA)
Specializations: Broadcast Journalism, Production, Broadcast Generalist
Minors: Journalism Studies, Human Communication, Magazine Journalism, Mass Communication

Department of Mathematics
Chair: Piotr Mikusinski
MSB 209; 407-823-2826
Email: math@ucf.edu
http://math.cos.ucf.edu

Associate Chair: Joseph P. Brennan
MSB 212; 407-823-2710
Assistant Chair: Tammy M. Muhs
MSB 215A; 407-823-4424
Undergraduate Coordinator: Constance M. Schober
MSB 312; 407-823-6284

Faculty: Bolano-Delahoz, Brennan, Cannon, Capursi, Carlson, Choudhury, Dunlop-Pyle, Dutkay, Griffiths, Han, Higgins, Islas, Katsevich, Kau, Lee, Li, Martin, Michalak, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Neval, Pensky, Plemmons, Porchia, Qi, Reid, Richardson, Rollins, Ronkese, Schober, Shvamoggi, Shuai, Smith, Song, Sun, Swanson, Tamasan, Tovbis, Vajravelu, Yong, Young, Zhao

The Department of Mathematics offers courses and programs leading to a Bachelor of Science in Mathematics, a minor in Mathematics, a Graduate Certificate in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:
1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use mathematics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. The Department offers service courses in pre-calculus and calculus along with strong programs in the upper division in the areas of algebra and analysis as well as the areas of applied and computational mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who have mastered the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistantships are available for qualified graduate students.

Degrees: Mathematics (BS, MS, PhD)
Certificate: Mathematics (graduate)
Minors: Mathematics, Mathematical Biology
College of Sciences

- African American Studies: Contact Kurt Young.
- Asian Studies: Contact Houman Sadri or Myunghee Kim.
- Diplomacy: Contact Roger Handberg.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global Peace and Security Studies: Contact Paul Vasquez.
- International and Global Studies: Contact Waltraud Q. Morales or Paul Vasquez.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson.
- Middle Eastern Studies: Contact Houman Sadri.
- Space Studies: Contact Roger Handberg.
- Women’s Studies: Contact Terri S. Fine.

Degrees: Security Studies (PhD), Political Science (BA, MA), International and Global Studies (BA)

Tracks: Prelaw

Minors: Political Science, Political Science/Prelaw, Diplomacy, Global Peace and Security Studies, European Studies, International and Global Studies

Certificates: Diplomacy

Department of Psychology

Chair: Jeffrey Cassisi
PSY 301L; 407-823-2216
Email: psychinfo@ucf.edu
http://psychology.cos.ucf.edu/

Associate Chair: Bernard Jensen
Assistant Chair: Alisha Janowsky
Undergraduate Program Coordinator: Karen Cox


The undergraduate program of the Department of Psychology reflects the scientific nature of the field and has three primary goals. The first is to provide students graduating with a B.S. in psychology with knowledge of the basic theories and research in psychology. The second is to prepare students with the skills necessary for success in graduate programs in psychology or related fields.

Degrees: Psychology (BS, MA, MS, PhD)

Minors: Psychology

Certificates: Behavioral Forensics

Department of Sociology

Chair: Jana Jasinski
PH 403B; 407-823-3744
Email: sociology@ucf.edu
http://sociology.cos.ucf.edu/

Undergraduate Program Coordinator: Lin Huff-Corzine

Faculty: Canan, J. S. Carter, S. Carter, Cook, Corzine, Donley, Ford, Gay, Grauerholz, Huff-Corzine, Jasinski, Koontz, Loree, Lynxwiler, Mustaine, Pals, Pritchard, Reckdenwald, Rivera, Sikorska-Simmons, Warren, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today’s employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, healthcare, and changes in the family.

The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, information management specialist, and research analyst.

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

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

Tracks: Domestic Violence (MA)

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

Department of Statistics

Chair: D. Nickerson
CCII 206; 407-823-5528
Email: stats@ucf.edu
http://statistics.cos.ucf.edu/

Associate Chair: James Schott
Undergraduate Program Coordinator: Nizam Uddin

Faculty: Ingham, Jasen, Johnson, Maboudou-Tchao, Ni, Nickerson, J. Schott, S. Schott, Uddin, Wang, Yan

The Department of Statistics offers courses and programs leading to a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate program in statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS)

Tracks: Data Mining (MS)

Minors: Statistics, Actuarial Science

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://www.oeas.ucf.edu/alc/alc_students_cosci.htm
The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Office of Pre-Professional Advising, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbitrator for all undergraduate academic appeals.

Academic Services
Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2691
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
Interim Vice Provost and Dean: Elliot Vittes
MH 218; 407-823-2373
http://regionalcampuses.ucf.edu/program/applied-science

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Office of Experiential Learning
Director: TBA
CSEL 300; 407-823-2667
http://www.explearning.ucf.edu

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty advise students, teach co-op and internship courses, and facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships. They also develop and maintain productive relationships with employers, collect and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research and applications for national recognition. The primary goal is to ensure that students benefit academically by having access to and including experiential learning courses in their degree programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.
Office of Undergraduate Studies

McNair Scholars Program
Director: Michael Aldarondo-Jeffries
TC2 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 methods courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies
Director: Michael Hampton
CL1 302; 407-823-0144
Email: is@ucf.edu
http://is.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Jessica Simmons, Marcelle Turner, Peter Wallace

The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

Degrees: Interdisciplinary Studies (BA, BS, MA, MS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women’s Studies
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://oppa.ucf.edu

The Office of Pre-Professional Advising (OPPA) provides guidance and support to students interested in pursuing careers in the health and legal professions. OPPA provides information about the field of law and a wide variety of health-related fields such as allopathic (M.D.), osteopathic (D.O.), and veterinary (D.V.M.) medicine, dentistry, pharmacy, optometry, podiatry, chiropractic, physician assistant, physical therapy, occupational therapy, and public health. These careers require academic study in professional school settings beyond the baccalaureate degree, and OPPA assists “Pre-Professional” Students in any undergraduate major by offering academic advising, administrative support, and other activities related to preparing for and applying to professional schools. OPPA’s primary goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

Research and Mentoring Program
Director: Michael Aldarondo-Jeffries
TC2 221; 407-823-1815
http://ramp.ucf.edu

The Research and Mentoring Program (RAMP) prepares students for entry into graduate and professional school. Through involvement in research projects and working with faculty mentors, the program provides a supportive educational environment for students. In addition, the students participate in a variety of workshops designed to increase their awareness and knowledge of the graduate and professional school application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

Office of Undergraduate Research
Director: Kimberly Schneider
TC2 209; 407-823-3125
http://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.

EXCEL Program
Director: Michael Georgiopoulou
HEC 358; 407-823-5338
http://excel.ucf.edu

The goal of the EXCEL program is to increase the success of students who pursue a degree in a STEM area (science, technology, engineering, and mathematics) at UCF. To attain this goal, the EXCEL program offers enhanced educational opportunities for its recruits, such as common EXCEL mathematics courses, the EXCEL Tutoring Center for math and science, designated graduate teaching assistant mentors to closely monitor student performance in EXCEL math classes, consistent advising by a dedicated EXCEL first year advisor and the STEM college advisors, paid sophomore research experiences, and many social activities that build strong bonds among EXCEL students. The purpose of these EXCEL activities is to create a learning community which connects students, staff, and faculty, with the goal of increasing the college success of every student participant in the program.

The Quality Enhancement Plan Development Office
Director: Martha Marinara
CL1 206; 407-823-1342
http://qlf.ucf.edu

The Office of Information Fluency is dedicated to ensuring that students are information fluent upon graduation. By promoting and supporting a culture of information fluency and assisting academic faculty, library faculty, and professional staff, the Office fosters an environment in which students learn to navigate competently through an abundance of information choices, to evaluate the information, and to make ethical decisions concerning use of the information. The Office actively supports faculty development, funds curricular and co-curricular projects that promote information fluency, publishes the Journal of Information Fluency, and hosts the annual Information Fluency conference.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www.oeas.ucf.edu/alc/alc_students_us.htm
Rosen College of Hospitality Management

Dean: Abraham Fizam
9907 Universal Boulevard, Suite 231-H Orlando, FL 32819; 407-903-8000
http://www.hospitality.ucf.edu

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

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


The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities.

It is the destination for over 55 million tourists each year, has over 400 hotels with 120,000 rooms, 20,000 vacation ownership units, 5,300 restaurants, 176 golf courses, over 100 theme parks and attractions, 12 regional shopping malls, a top-ranked international airport, the second largest convention center in the nation, and a multitude of sport and entertainment venues. As a result of being the most visited destination in the United States, Orlando’s hospitality & tourism industry is the region’s largest employer, supplying approximately 360,000 jobs, with wages exceeding $14 billion annually.

The educational mission of the College is to provide students with the knowledge, skills, and 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, including Bachelor of Science degrees in Hospitality Management, Event Management, and Restaurant & Foodservice Management.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

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; Event Management (exclusive to College of Arts and Humanities majors)

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
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<th>UCF DEGREE PROGRAMS</th>
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<td>Accounting</td>
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<td>Advertising - Public Relations</td>
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<td>Aerospace Engineering</td>
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<td>Aerospace Engineering - Accelerated Undergraduate-Graduate Program</td>
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<td>Applied Science - A.S. to B.S. Track</td>
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<td>Art - History Track</td>
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<td>Art - Studio Track</td>
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<td>Art - Visual Arts and Emerging Media Management Track</td>
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<td>Art - B.F.A. - Emerging Media Track</td>
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<td>Civil Engineering</td>
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<td>Computer Science - Accelerated Undergraduate-Graduate Program</td>
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<td>Construction Engineering</td>
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<td>Criminal Justice</td>
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<td>Criminal Justice - A.S. to B.S. Track</td>
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<td>Digital Media</td>
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<td>Early Childhood Development and Education Track 1: Education: Pre-Kindergarten - Primary</td>
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<tr>
<td>Early Childhood Development and Education Track 2: Early Childhood Development</td>
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<td>Early Childhood Development and Education Track 3: Early Childhood Careers</td>
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<td>Forensic Science - Biochemistry Track</td>
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<tr>
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<tr>
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<td>General Business - A.S. to B.S. Track</td>
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<tr>
<td>Health Informatics and Information Management</td>
</tr>
<tr>
<td>Health Sciences - Pre-Clinical Track</td>
</tr>
<tr>
<td>Health Services Administration</td>
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<tr>
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<tr>
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<tr>
<td>Hospitality Management</td>
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<td>Hospitality Management - A.S. to B.S. Track</td>
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<td>Humanities - Philosophy, Religion, &amp; Popular Culture Track</td>
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<tr>
<td>Industrial Engineering</td>
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<td>Industrial Engineering - Accelerated Undergraduate-Graduate Program</td>
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<tr>
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<td>Interdisciplinary Studies - Women's Studies Track</td>
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<td>International and Global Studies</td>
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<td>Journalism</td>
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<td>Latin American Studies</td>
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<td>Legal Studies</td>
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<td>Liberal Studies</td>
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<tr>
<td>(See Interdisciplinary Studies) Management</td>
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<td>Marketing</td>
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<td>Mechanical Engineering</td>
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<td>Science Education - Physics</td>
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<td>Theatre - Musical Theatre Track</td>
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<td>Theatre Studies</td>
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<tr>
<td>World Languages Education - French</td>
</tr>
<tr>
<td>World Languages Education - Spanish</td>
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</table>
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/accounting
Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the General Education program and Gordon Rule, or an AA Degree from a Florida College System or State University System institution prior to admission to this degree.
- See Common Program Prerequisites.

Degree Requirements
- Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
- Students who change degree programs and select this major must adopt the most current catalog.
- 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 the student being placed on Lack of Progress in the major.
- Students must have at least a 2.0 GPA in the College of Business and the accounting major. Students must have at least a 2.0 GPA in the College of Business and in the accounting major.
- A grade of “C-” (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
- 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

D: Social Foundations (6 hrs)

Select 1: (3 hrs)
- Suggested: ECO 2013 Principles of Macroeconomics

Select 2: (3 hrs)
- Suggested: ECO 2023 Principles of Microeconomics

Select one of the following sequences of courses:
ECO 3401 Quantitative Business Tools I 3 hrs

or
MAC 2233 Concepts of Calculus and
STA 2023 Statistical Methods I and
Students must receive a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

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

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 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 Advanced Issues in Financial Accounting 3 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements (4 hrs)

MAN 4720 Strategic Management

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
MCM 4203 Supply Chain and Operations Management 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
### UCF Degree Programs

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

### Total Semester Hours Required
- 120

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

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

  **Take all of the following sequences:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 4903H</td>
<td>Honors Directed Reading I or II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 4904H</td>
<td>Honors Directed Reading II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 4970H</td>
<td>Undergraduate Honors Thesis</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Related Programs
  - None

**Certificates**
  - None

**Related Minors**
  - None

**Advising Notes**
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Professional courses should not be taken at a Florida College System institution 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.
- Lower division courses do not substitute for upper division courses.

**Acceptable Substitutes for Transfer Courses**

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2001 and ACG 2011

### Plan of Study

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist I*</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Psy/Ant/Soc</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>Science</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Art/Music/Lit</td>
<td></td>
<td>3 hrs</td>
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</table>

#### Sophomore Year - Fall

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<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPCE 1609</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td></td>
<td>3 hrs</td>
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<tr>
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<tr>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACG 3313</td>
<td>Intermediate Financial Accounting I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 3361</td>
<td>Cost Accounting I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
<td>1 hr</td>
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</table>

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<table>
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<tr>
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<tbody>
<tr>
<td>ACG 3141</td>
<td>Intermediate Financial Accounting II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 3501</td>
<td>Financial Accounting for Governmental and Nonprofit Organizations</td>
<td>3 hrs</td>
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<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3025</td>
<td>Management of Organizations</td>
<td>4 hrs</td>
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<td>3 hrs</td>
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<td>MAR 3203</td>
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<td>4 hrs</td>
</tr>
<tr>
<td>TAX 4001</td>
<td>Taxation of Business Entities and Transactions</td>
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<td>Free Elective</td>
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<td>3 hrs</td>
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#### Senior Year - Spring

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ACG 4651</td>
<td>Auditing</td>
<td>3 hrs</td>
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<tr>
<td>ACG 4803</td>
<td>Advanced Issues in Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
<td>4 hrs</td>
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</table>

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**Notes**

1 ACG 4651 Auditing 3 hrs

### Acceptable Substitutes for Transfer Courses

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2001 and ACG 2011

**Plan of Study**

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</table>
### Advertising-Public Relations (B.A.)

**College of Sciences**  
Nicholson School of Communication, NSC, Room: 143  
[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)  
Email: adpr@ucf.edu  

**Joan McCain - Area Coordinator, joan.mccain@ucf.edu**  
Nicholson Academic Student Services, nass@ucf.edu  
Phone: 407-823-2681

#### Admission Requirements
- Students should apply to become Advertising - Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student's GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Pass a grammar proficiency exam administered by UCF's Testing Center, unless the student has qualifying AP or IB scores, or a "B" is earned in both freshman GEP English classes.
- Contact NSC Advising for specifics of admission criteria.
- Students must receive a positive evaluation by the Nicholson School of Communication.
- For admission to the program, students must complete or be enrolled into and complete the following courses with a "C" or better (if in process at the time of admission, students who do not earn a "C" or better will be removed from the program):

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008 Principles of Advertising and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4000 Public Relations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Application Deadlines:**
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

#### Degree Requirements
- Students who change degree programs (other than from Ad-PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor's prior approval.
- Students should consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).

- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

**A: Communication Foundations** (9 hrs)

<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>
</tbody>
</table>

**Select either**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1603C Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select one course from group B 2.

**C: Mathematical Foundations** (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106 Finite Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1107 Explorations in Mathematics or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

May substitute a higher level math with appropriate scores on the Math Placement Exam.

**Statistics** (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C Principles of Statistics or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

May substitute a more advanced STA course.

**D: Social Foundations** (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Social Sciences** (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000 General Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012 General Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**E: Science Foundations** (6 hrs)

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

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

**Select either Economics course:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>GEP</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>GEP</td>
</tr>
</tbody>
</table>

**Select either Speech course:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication or</td>
<td>GEP</td>
</tr>
<tr>
<td>SPC 1603C Fundamentals of Technical Presentations</td>
<td>GEP</td>
</tr>
</tbody>
</table>

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

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following;
- Must be in progress or completed before applying to the program:
UCF Degree Programs

Complete all of the following: 6 hrs

- For admission to the program, students must complete or be enrolled into and complete the following courses with a "C" or better (in process at the time of admission, students who do not earn a "C" or better will be removed from the program).
  - ADV 3008 Principles of Advertising and 3 hrs
  - PUR 4000 Public Relations 3 hrs

May be completed before or after admission to the program:

Complete either economics class:
  - ECO 2023 Principles of Microeconomics or GEP/CPP
  - ECO 2013 Principles of Macroeconomics GEP/CPP

Complete either speech class
  - SPC 1608 Fundamentals of Oral Communication or GEP/CPP
  - SPC 1603C Fundamentals of Technical Presentations GEP/CPP

Complete either statistics class:
  - STA 2014C Principles of Statistics or GEP
  - STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (21 hrs)
Complete after admission to the program:

- ADV 4101 Advertising Copywriting 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 4411 Ad-PR Campaigns 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- PUR 3100 Writing for Public Relations 3 hrs

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

5. Restricted Electives (12 hrs)
Select from the following after admission to the program:

- PUR 3004 Public Relations and Society 3 hrs
- ADV 4103 Radio-Television Advertising 3 hrs
- ADV 4300 Advertising Media Planning 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
- PUR 4203 PR Advertising Ethics and Law 3 hrs
- PUR 4400 Crisis Communication 3 hrs
- PUR 4110C Public Relations Publications 3 hrs
- PUR 4801 Public Relations Case Studies 3 hrs
- VIC 3001 Visual Communication 3 hrs

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

6. Capstone Requirements

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

7. Foreign Language Requirements

- Admissions
  - Met by graduation requirement.

- Graduation
  - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
  - Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives

- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the disciplines represented within school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements

- None

10. Required Minors

- None required. However if a minor is desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements

- To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
- Achieve an overall “C” GPA (2.0) in Nicholson School of Communication courses used to satisfy the major.

12. University Minimum Exit Requirements

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

Total Semester Hours Required

120

Honors In Major

- None

Related Programs

- Marketing
- Certificates
  - None

Related Minors

- NOTE: Minors taught within the Nicholson School of Communication are not open to Ad-PR majors.
- Business
- Digital Media
- Writing and Rhetoric
- Hospitality Management
- Marketing
- Political Science
- Psychology
- Sociology

Advising Notes

- Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 13 hrs

- ENC 1101 Composition I 3 hrs
- Foreign Language 4 hrs
- GEP Math 3 hrs
- GEP 3 hrs

Freshman Year - Spring 13 hrs

- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs
Sophomore Year - Fall 15 hrs
ADV 3008 Principles of Advertising 3 hrs
GEP- Economics 3 hrs
GEP 3 hrs
GEP 3 hrs
Elective-take outside of NSC 3 hrs

Sophomore Year - Spring 15 hrs
Elective-take outside of NSC 3 hrs
PUR 4000 Public Relations 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
Apply to the program

Junior Year - Fall 15 hrs
Apply to program by Oct 1.
MMC 3420 Mass Media Research Methods 3 hrs
MMC 3630 Social Media as Mass Communication 3 hrs
Elective-take outside of NSC 3 hrs
Elective-take outside of NSC 3 hrs

Junior Year - Spring 15 hrs
If admitted, take the following;
PUR 3100 Writing for Public Relations 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Elective-take outside of NSC 3 hrs
Elective-take outside of NSC 3 hrs

Junior Year - Summer 9 hrs
Internship 3 hrs
Elective-take outside of NSC 3 hrs
Elective-take outside of NSC 3 hrs

Senior Year - Fall 13 hrs
ADV 4101 Advertising Copywriting 3 hrs
Restricted Elective 3 hrs
Elective-take outside of NSC 4 hrs
Elective-take outside of NSC 3 hrs
Graduation Review 3 hrs

Senior Year - Spring 12 hrs
MMC 4411 Ad-PR Campaigns 3 hrs
Restricted Elective Internship 3 hrs
Free Elective-take outside of NSC 3 hrs
Free Elective-take outside of NSC 3 hrs

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

Equipment Fees
Part-Time Student: $22 per term
Full-Time Student: $44 per term

Aerospace Engineering (B.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering 1, Room: 307
http://www.mmae.ucf.edu
Email: mmaeugrad@ucf.edu
Dr. Kuo-Chi Lin, Kurt.Lin@ucf.edu, 407-823-0137
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements
Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.

Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
None

1. UCF General Education Program (GEP) (38 hrs)
   The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Select 1: 3 hrs
   Prefer SPC 1603C Fundamentals of Technical Presentations or
   Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
   Select two classes from Historical Foundations 6 hrs
   Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
   Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Prefer ECO 2013 Principles of Microeconomics 3 hrs
   Prefer ECO 2023 Principles of Macroeconomics or
   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 2311C Calculus with Analytic Geometry I GEP
   2 MAC 2312 Calculus with Analytic Geometry II 4 hrs
   3 MAC 2313 Calculus with Analytic Geometry III 4 hrs
   4 MAP 2302 Ordinary Differential Equations I 3 hrs
   5 PHY 2048C Physics for Engineers & Scientists I GEP
   PHY 2049C Physics for Engineers and Scientists II 4 hrs

   1 A “C” (2.0) or better is required in this course.
   Select one of the following sequences of courses:
   -Preferred course
   CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
   or- First alternative: Select all of the following: 6 hrs
   CHM 2040 Chemistry Fundamentals IA and 3 hrs
   CHM 2041 Chemistry Fundamentals IB 3 hrs
   or- Second alternative
   CHM 2045C Chemistry Fundamentals I 4 hrs
3. Core Requirements: Basic Level (2 hrs)
- 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 (51 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.
- The tentative course schedule listed below is a guide to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered. http://mmae.ucf.edu/Academics/undergraduate.html

6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

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

Select 1: 3 hrs
- EAS 4710C Aerospace Design II or
- EGN 4413C Interdisciplinary Design II

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 25% of course work must be in residency at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- Double Degree/Double Major requirements listed under college section of the catalog.

Career and Academic Advising
- The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
- 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 Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses will be substituted by an approved Aerospace Engineering Elective for transfer students.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs

Select 1: 4 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2040 Chemistry Fundamentals IA or 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

Freshman Year - Spring
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Select 1: 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- GEP 3 hrs
Sophomore Year - Fall 13 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
EGN 3210 Engineering Analysis-Statics 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring 12 hrs
EML 3217 Engineering Mechanics - Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
EGM 3601 Solid Mechanics 3 hrs

Sophomore Year - Summer 9 hrs
GEP 3 hrs
GEP 3 hrs
Select 1: 3 hrs
ECC 2013 Principles of Macroeconomics or 3 hrs
ECC 2023 Principles of Microeconomics 3 hrs

Junior Year - Fall 15 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EAS 3800C Aerospace Engineering Measurements 3 hrs
EAS 3890 Aerospace Career and Academic Faculty Advising I 0 hrs
EML 3701 Fluid Mechanics I 3 hrs
GEP 3 hrs
EAS 4200 Analysis & Design of Aerospace Structures 3 hrs

Junior Year - Spring 15 hrs
EAS 3101 Fundamentals of Aerodynamics 3 hrs
EAS 3810C Design of Aerospace Experiments 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs
EML 4142 Heat Transfer 3 hrs
GEP 3 hrs

Senior Year - Fall 15 hrs
EAS 4105 Flight Mechanics 3 hrs
EAS 4134 High-Speed Aerodynamics 3 hrs
EAS 4991 Aerospace Career and Academic Faculty Advising II 0 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
Select 1: 3 hrs
EAS 4700C Aerospace Design I or 3 hrs
EGN 4412C Interdisciplinary Design I 3 hrs

Senior Year - Spring 12 hrs
EAS 4300 Aerothermodynamics of Propulsion 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs
Select 1: 3 hrs
EAS 4710C Aerospace Design II 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.oet.ucf.edu/aic/academic_learning_compaents.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Anthropology (B.A.)
College of Sciences
Department of Anthropology,
Howard Philips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Dr. John Schultz, jschultz@ucf.edu
Phone: 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations in Central America and the Caribbean.

Degree Requirements
- None

Admission Requirements
- None

Degree Requirements
- UCF students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department.
- Students must maintain a grade of "C"(2.0) or better in all courses used for the major.
- Co-op or internship credit cannot be used in the major without prior approval.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

Math: 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers
- Suggested STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Required ANT 2000 General Anthropology 3 hrs
- Select from GEP D.1 list 3 hrs

E: Science Foundations (6 hrs)
- Required ANT 2511 The Human Species 3 hrs
- Select from GEP E.1 list 3 hrs

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

ANT 2511 The Human Species 3 hrs

3. Core Requirements: Basic Level (6 hrs)

Core-Required, also satisfy the CPP
- ANT 2000 General Anthropology and 3 hrs
- ANT 2511 The Human Species 3 hrs
- GEP/CPP

Core-Additional requirements 6 hrs
- ANT 2140 Archaeology and the Rise of Human Culture and 3 hrs
- ANT 2410 Cultural Anthropology 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Core-Required, also satisfy the CPP
- ANT 3145 Archaeology of Complex Societies 3 hrs
- ANT 3610 Language and Culture 3 hrs
- ANT 4034 History of Anthropological Thought 3 hrs
- ANT 4586C Human Origins 3 hrs

Area Study 3 hrs

5. Restricted Electives (21 hrs)

- Select from the following courses:
  - ANT 3148 Life and Death in Ancient Egypt 3 hrs
  - ANT 3152 Indians of the Southwest 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3160 Americas Before Columbus 3 hrs
  - ANT 3161 Archaeology of Mexico 3 hrs
  - ANT 3163 Mesoamerican Archaeology 3 hrs
  - ANT 3164 Ancient Incas 3 hrs
  - ANT 3165 Archaeology of South America 3 hrs
  - ANT 3168 Maya Archaeology 3 hrs
  - ANT 3177 Archaeology of Caribbean Piracy 3 hrs
  - ANT 3311 Indians of the Southeastern United States 3 hrs

Full-Time Student: $90 per term
Part-Time Student: $45 per term
UCF Degree Programs

ANT 3312  Ethnology of North American Indians  3 hrs
ANT 3313  Indians of North America High Plains  3 hrs
ANT 3319  Anthropology of Diaspora  3 hrs
ANT 3344  Puerto Rican Culture  3 hrs
ANT 3362  Peoples of Southeast Asia  3 hrs
ANT 3363  Anthropology of Japan  3 hrs
ANT 4153  North American Archaeology  3 hrs
ANT 4332  People and Cultures of Latin America  3 hrs
ANT 4460  Caribbean Cultures  3 hrs
ANT 4552  African Societies and Cultures  3 hrs

Restricted Electives  18 hrs
- Select additional Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).
ANT 2511L  Physical Anthropology Lab  1 hr
ANT 3026  Mummies, Zombies, and Vampires: Anthropology of the Undead  3 hrs
ANT 3943  Caribbean Archaeology Practicum  3 hrs
ANT 3106  Archaeology and Popular Culture  3 hrs
ANT 3115  Archaeological Method and Theory  3 hrs
ANT 3142  Old World Prehistory  3 hrs
ANT 3173  Archaeology of Sex  3 hrs
ANT 3212  Peoples of the World  3 hrs
ANT 3241  Magic, Ritual, and Belief  3 hrs
ANT 3245  Native American Religions  3 hrs
ANT 3262  Rural Society  3 hrs
ANT 3273  Law and Culture  3 hrs
ANT 3302  Sex, Gender and Culture  3 hrs
ANT 3330  Cultural Ecology of Amazonia  3 hrs
ANT 3393  American Indian Literature and Culture in Florida  3 hrs
ANT 3398  Black/Seminole Relations  3 hrs
ANT 3541  Biobehavioral Anthropology  3 hrs
ANT 3550C  Primatology  3 hrs
ANT 3701  Applied Anthropology  3 hrs
ANT 3949  Cooperative Education in Anthropology  0 hrs
ANT 3955  Study Abroad  3 hrs
ANT 4027  Mummies, Life After Death  3 hrs
ANT 4013  Anthropological Perspectives on Fast Food  3 hrs
ANT 4180C  Seminar in Laboratory Analysis  3 hrs
ANT 4183  Archaeological Sciences  3 hrs
ANT 4184  Mortuary Archaeology  3 hrs
ANT 4266  Economic Anthropology: Production, Consumption, and Exchange  3 hrs
ANT 4303  Anthropology of Tourism  3 hrs
ANT 4408  Culture, Disease, and Healing  3 hrs
ANT 4462  Medical Anthropology  3 hrs
ANT 4467  Nutritional Anthropology  3 hrs
ANT 4516  Human Biological Diversity  3 hrs
ANT 4521  Forensic Anthropology  3 hrs
ANT 4525C  Human Osteology  4 hrs
ANT 4560  Anthropological Perspectives on Human Growth  3 hrs
ANT 4702  Culture, Power and Development  3 hrs
ANT 4802  Ethnographic Field Methods  3 hrs
ANT 4824  Advanced Archaeological Fieldwork  9 hrs
ANG 5166  Problems in Maya Studies  3 hrs
ANG 5167  Maya Hieroglyphs  3 hrs
ANG 5228  Maya Iconography  3 hrs
ANG 5622  Language, Culture and Pedagogy  3 hrs
ANG 5742  Problems in Forensic Anthropology  3 hrs
ANG 5822  Maya Field Research  3 hrs

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

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions - Met by graduation requirement
Graduation - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A grade of “C” (2.0) or better in all courses used for the major.
- Students will be required to take a standard exit exam.

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Social Sciences
- Sociology

Certificates
- None

Related Minors
- African Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- International and Global Studies
- Judaic Studies
- Latin American Area Studies
- Medical Anthropology
- Medical Sociology
- Sociology
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Although any ANT course satisfies the CPP, the specified courses are required in the core and must be taken regardless.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 15 hrs
ANT 2000  General Anthropology  3 hrs
ENC 1101  Composition I  3 hrs
COM 1000  Introduction to Communication  3 hrs
GEP-Math  3 hrs
GEP  3 hrs
Freshman Year - Spring 15 hrs
ANT 2511 The Human Species 3 hrs
ENC 1102 Composition II 3 hrs
GEP 3 hrs
GEP 3 hrs
Sophomore Year - Fall 15 hrs
ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
Sophomore Year - Spring 15 hrs
ANT 2610 Language and Culture 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Junior Year - Fall 15 hrs
ANT 3145 Archaeology of Complex Societies 3 hrs
Restricted Elective 3 hrs
Foreign Language 4 hrs
Elective / Minor 2 hrs
Elective / Minor 3 hrs
Junior Year - Spring 15 hrs
ANT 4034 History of Anthropological Thought 3 hrs
Restricted Elective 3 hrs
Foreign Language 4 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Senior Year - Fall 15 hrs
ANT 4586C Human Origins 3 hrs
Restricted Elective 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
Free Elective 3 hrs
Free Elective 3 hrs
Elective / Minor 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.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/
Email: architecture@ucf.edu
Phone: 407-582-5500

The Bachelor of Design in Architecture was created to meet the local need in Central Florida for an architecture program. The Bachelor of Design (B.Des.) degree program is a partnership with Valencia College and the University of Florida, as part of a 2+2+2 program to enable students to complete an NAAB accredited architectural program in Central Florida. Note: Architecture (B.Des.) majors must have continual access to a computer. Contact the Architecture advising office (407-582-5500) for the minimum hardware and software specifications.

Admission Requirements
- Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.
- Submission of a completed UCF application packet.
- Participation in a competitive review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.
- UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements are met.

Degree Requirements
- Students who change degree programs and select this major must adopt the current catalog.
- Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Students must earn at least a “C” (2.0) in each required course and maintain an overall GPA of at least 2.0.
- Co-op credit cannot be used in this major.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
- Completion of at least 120 semester hours of course work, including all required courses.

1. UCF General Education Program (GEP) (36 hrs)
- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.

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

2. Common Program Prerequisites (CPP)
- Completion of the A.A. in pre-Architecture from Valencia College or equivalent.

3. Core Requirements: Basic Level (34 hrs)
- A.A. Courses (completed in the A.A. in Architecture from Valencia College).
- ARC 2180 Introduction to Digital Architecture are electives in Valencia College’s architecture program but required for the B.Des. at UCF. See courses below.

ARC 1201 Theory of Architecture 3 hrs
ARC 1301 Architectural Design I 4 hrs
ARC 1302 Architectural Design II 4 hrs
ARC 1701 History of Architecture I or equivalent 3 hrs
ARC 2180 Introduction to Digital Architecture 3 hrs
ARC 2303 Architectural Design III 5 hrs
ARC 2304 Architectural Design IV 5 hrs
ARC 2461 Materials and Methods of Construction 4 hrs
ARC 2702 History of Architecture II or equivalent 3 hrs

4. Core Requirements: Advanced Level (45 hrs)
- Completed as part of the Bachelor of Design program at UCF.

ARC 3181 Advanced Topics in Digital Architecture 3 hrs
ARC 3320L Architectural Design 5 6 hrs
ARC 3321L Architectural Design 6 6 hrs
ARC 3463 Materials and Methods of Construction 2 3 hrs
ARC 3503 Architectural Structures 3 hrs
ARC 3610 Environmental Technology 1 3 hrs
ARC 3743 Architectural History 3 3 hrs
ARC 4220 Architectural Theory 2 3 hrs
ARC 4322L Architectural Design 7 6 hrs
ARC 4323L Architectural Design 8 6 hrs
ARC 4620 Environmental Technology 2 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None
UCF Degree Programs

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

8. Electives
   - Any combination of course credit at the 3000 or 4000 level and approved internship credit to equal at least 10 hours.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

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

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- Public and Professional Writing

Advising Notes
- http://svad.cah.ucf.edu/students
- architecture@ucf.edu

Transfer Notes
- Grades less than a “C” (2.0) are not accepted.
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study
- None

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

Equipment Fees
- Full-Time Student: $90 per term

Art - Emerging Media Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Humanities
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

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

The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image and the creative process are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
- Character Animation: students must satisfactorily complete the mandatory DIG3951 - Character Animation Portfolio Review before enrolling in any Character Animation restricted electives. The Character Animation portfolio review is only held in Spring, and typically takes place near the end of February.
- Experimental Animation: all junior level Experimental Animation students must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses or Experimental Animation restricted electives. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Graphic Design: students must satisfactorily complete the mandatory GRA3950 - Graphic Design Portfolio Application course before enrolling in any Graphic Design restricted electives. The Graphic Design portfolio review is only held in Spring, and typically takes place near the end of February.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, DIG 3951 - Character Animation Portfolio Review, or GRA 3950 - Graphic Design Portfolio Application, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- “C-” (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog year change with their degree change form.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a “C” (2.0) in each required course except DIG 2000, which requires a “B” (3.0) or better.
BFA students must maintain a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in this major.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

**UCF Degree Programs**

### 1. UCF General Education Program (GEP) (37 hrs)

#### A: Communication Foundations (9 hrs)

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

**Take all of the following:** 9 hrs

- Required ARH 2050 History of Western Art I and 3 hrs
- Required ARH 2051 History of Western Art II and 3 hrs
- Select a course from group B.1 3 hrs

#### C: Mathematical Foundations (7 hrs)

**Take all of the following:** 7 hrs

- Required MAC 1105C College Algebra and 3 hrs
- Required COP 2500C Concepts in Computer Science 4 hrs

#### D: Social Foundations (6 hrs)

**E: Science Foundations (6 hrs)**

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

- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II GEP
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs

Any ART prefix, studio, or media courses at the 2000-4000 levels

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

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

- ARH 2500 History of Non-Western Art 3 hrs
- ART 2023 Art as Interface 3 hrs
- COP 2500C Concepts in Computer Science GEP
- MAC 1105C College Algebra GEP
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs

### 4. Core Requirements: Advanced Level (12 hrs)

- DIG 3024 Digital Cultures & Narrative 3 hrs
- DIG 3480C Computer as a Medium 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 4780C Modeling for Realtime Systems 3 hrs

### 5. Restricted Electives (39 hrs)

#### Specializations

**Graphic Design**

- Graphic Design Basic Concentration - 18 hours
  - GRA 3950 Graphic Design Portfolio Application 0 hrs
  - GRA 3102C Intermediate Graphic Design I 3 hrs
  - GRA 3112C Intermediate Graphic Design II 3 hrs
  - GRA 3803C Intermediate Computer Graphic Design 3 hrs
  - GRA 4105C Advanced Graphic Design 3 hrs
  - GRA 4107C Special Problems in Graphic Design 3 hrs
  - GRA 3202C Type & Design 3 hrs

**Character Animation**

- Character Animation Core - 15 hours
  - DIG 3951 Character Animation Portfolio Review 0 hrs
  - ART 3643C Digital Effects & Compositing 3 hrs
  - DIG 4325C Look Modeling Workshop 3 hrs
  - DIG 4326C Geometrical Modeling Workshop 3 hrs
  - FIL 3720C Introduction to Animation 3 hrs
  - FIL 3734C Intermediate Animation 3 hrs

- Character Animation Basic Concentration - 24 hours
  - DIG 3355C Artificial Environments and Effects 3 hrs
  - DIG 3433C Visual Storytelling and Visual Development 3 hrs
  - DIG 4260C New Imagery in Motion Workshop 3 hrs
  - DIG 4359C Artificial Environments and Effects Workshop 3 hrs
  - DIG 4394C Motion Graphics: Advanced Compositing 3 hrs
  - DIG 4434C Narrative Techniques in the Moving Image 3 hrs
  - DIG 4451C Visual Storytelling and Visual Development Workshop 3 hrs
  - DIG 4486C Visual Language of Moving Image II 3 hrs

**Experimental Animation**

- Experimental Animation Core - 18 hours
  - ART 3950 Portfolio Review 0 hrs
  - ART 3643C Digital Effects & Compositing 3 hrs
  - DIG 4325C Look Modeling Workshop 3 hrs
  - DIG 4326C Geometrical Modeling Workshop 3 hrs
  - FIL 3720C Introduction to Animation 3 hrs
  - FIL 3734C Intermediate Animation 3 hrs
  - ART 4935 BFA Exhibit/Seminar 3 hrs

- Experimental Animation Restricted Electives - 15 hours

- Experimental Animation Restricted Electives - 15 hours
  - Complete 15 hours of credits from the following areas: 15 hrs
  - Co-op credit cannot be used in this major.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- Met by graduation requirement

### 8. Electives

- Unrestricted electives - credit hours varies with specialization. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted)
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Maintain at least a “B” (3.0) GPA in all major requirements.

### 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

- 124

### Honors In Major

- None

### Related Programs

- Art
- English - Technical Communication

### Certificates

- None
Art - History Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/

Email: svadadvising@ucf.edu
Margaret Zaho
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
■ None

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

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ARH 2050 History of Western Art I 3 hrs
   Required ARH 2051 History of Western Art II 3 hrs
   Select a course from group B.1 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   Required ARH 2050 History of Western Art I 3 hrs
   Required ARH 2051 History of Western Art II 3 hrs

   C: Mathematical Foundations (6 hrs)
   Math: 3 hrs
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

   Statistics - Computers 3 hrs
   Select a course from GEP C.2 list 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ARH 2050 History of Western Art I GEP
   ARH 2051 History of Western Art II GEP
   ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   ART 2300C Drawing Fundamentals I 3 hrs

3. Core Requirements: Basic Level (3 hrs)
   ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   ARH 3520 African Art 3 hrs
   ARH 3670 20th Century Latin American Art 3 hrs
   ARH 4130 Greek Art and Architecture 3 hrs
   ARH 4150 Roman Art and Architecture 3 hrs
   ARH 4540 Art of India 3 hrs
   ARH 4653 Meso American Art 3 hrs

   One of the following courses: 3 hrs
   ARH 4200 Medieval Art 3 hrs
   ARH 4350 Baroque Art 3 hrs
   ARH 4871 Women in Art 3 hrs

   Select 18 additional hours from the following: 18 hrs
   ARH 3471 Art in the Last 25 Years 3 hrs
   ARH 3520 African Art 3 hrs
   ARH 3610 American Art 3 hrs
   ARH 3670 20th Century Latin American Art 3 hrs
   ARH 3710 History of Photography I 3 hrs
   ARH 3713 20th Century Photographic History 3 hrs
   ARH 3720 History of Prints 3 hrs
   ARH 3728 History of Illustration 3 hrs
   ARH 3820 Visual Arts Administration Vitas 3 hrs
   ARH 4130 Greek Art and Architecture 3 hrs
   ARH 4150 Roman Art and Architecture 3 hrs
   ARH 4200 Medieval Art 3 hrs
   ARH 4350 Baroque Art 3 hrs
   ARH 4352 Italian Baroque Art 3 hrs
   ARH 4653 Meso American Art 3 hrs
   ARH 4871 Women in Art 3 hrs
   ARH 5897 Advanced Seminar in Art History 3 hrs
   ARH 3XXX-4XXX Additional Art History course 3 hrs

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

6. Capstone Requirements
■ None

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

Graduation
■ Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor.

Standardized examinations for foreign languages may be used to meet the requirement.

Equipment Fees
■ Part-Time Student: $31.50 per term
■ Full-Time Student: $63 per term

Transfer Notes
■ Grades less than a “C” (2.0) are not accepted.
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ 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

Undergraduate Catalog 2013-2014
8. Electives
- Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve at least a "C" (2.0) GPA average in courses in the major.
- Computer Competency met by one of the following:
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - GRI 2101C Introduction to Computer Art 3 hrs
  - ARH 3820 Visual Arts Administration Vitas 3 hrs

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

Total Semester Hours Required
- 120

Honors In Major
- None

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

Certificates
- None

Related Minors
- Art - Studio
- Community Arts - PAVE

Advising Notes
- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 12 hrs
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Freshman Year - Spring 15 hrs
- ARH 2051 History of Western Art II 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Fall 15 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- ENC 3315 Argumentative Writing 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Spring 15 hrs
- ARH 4871 Women in Art 3 hrs
- ANT 2000 General Anthropology 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Junior Year - Fall 16 hrs
- ARH 3720 History of Prints 3 hrs
- ARH 4130 Greek Art and Architecture 3 hrs
- ARH 4430 19th Century Art 3 hrs
- ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Junior Year - Spring 18 hrs
- ARH 3610 American Art 3 hrs
- ARH 3610 Italian Renaissance Art 3 hrs
- ARH 4450 20th Century Art 3 hrs
- ARH 4200 Medieval Art 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- ARH 4350 Baroque Art 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ARH 4XXX 3 hrs

Senior Year - Spring 15 hrs
- ARH 4150 Roman Art and Architecture 3 hrs
- Restricted Elective 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.oecs.ucf.edu/alacademic_learning_compakts.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://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
UCF Degree Programs

- Students unable to satisfactorily complete ART 3950-Portfolio Review may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year if they maintain a 3.0 overall average in upper level courses in the major. Students who do not meet these requirements may petition the BFA committee for acceptance.
- "C-" (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements

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

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

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

2. Common Program Prerequisites (CPP) (18 hrs)
   - ARH 2050 History of Western Art I GEP
   - ARH 2051 History of Western Art II GEP
   - ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   - ART 2202C Design Fundamentals-Three Dimensional 3 hrs
   - ART 2300C Drawing Fundamentals I 3 hrs
   - ART 2301C Drawing Fundamentals II 3 hrs
   - GRA 2101C Introduction to Computer Art 3 hrs
   - Any ART prefix, studio, or media courses at the 2000-4000 levels 3 hrs

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

3. Core Requirements: Basic Level (6 hrs)
   - ARH 2500 History of Non-Western Art 3 hrs
   - ART 2823 Art as Interface 3 hrs

4. Core Requirements: Advanced Level (6 hrs)
   - ART 3950 Portfolio Review 0 hrs

5. Restricted Electives (42 hrs)
   - a. Specialization: 18 hrs
      - Select six upper division courses from one area:

       **Book Arts**
       - ART 3170C Book Binding or 3 hrs
       - ART 3171C Materials for Artist Books or 3 hrs
       - ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs
       - ART 3176C The Illuminated Book or 3 hrs
       - ART 3737C Narrative Sculpture or 3 hrs
       - ART 4172C Book Repair and Restoration or 3 hrs
       - ART 4173C The Artist Book or 3 hrs
       - ART 4174C The Printed Book or 3 hrs
       - ART 4177C Commercial Book Design and Publishing or 3 hrs
       - ART 4644C Books Without Books 3 hrs

       **Ceramics/Sculpture Combination**
       - ART 3761C Intermediate Ceramics or 3 hrs
       - ART 3764C Ceramic Handbuilding I or 3 hrs
       - ART 4783C Advanced Ceramics or 3 hrs
       - ART 4786C Ceramic Raw Material or 3 hrs
       - ART 3709C Intermediate Sculpture or 3 hrs
       - ART 4710C Advanced Sculpture 3 hrs

       **Drawing**
       - ART 3332C Intermediate Drawing or 3 hrs
       - ART 4320C Advanced Drawing 3 hrs

       **Drawing/Printmaking Combination**
       - ART 3332C Intermediate Drawing or 3 hrs
       - ART 4320C Advanced Drawing or 3 hrs
       - ART 3433C Screenprinting or 3 hrs
       - ART 4402C Advanced Printmaking 3 hrs

       **Drawing/Illustration Combination**
       - ART 3332C Intermediate Drawing or 3 hrs
       - ART 4320C Advanced Drawing or 3 hrs
       - GRA 3747C Intermediate Illustration I or 3 hrs
       - GRA 4154C Advanced Illustration 3 hrs

       **Painting**
       - ART 3504C Intermediate Painting or 3 hrs
       - ART 4505C Advanced Painting 3 hrs

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

   - 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 and a maximum of six hours of Independent Study, Practicum, and Internship are permitted.

6. Capstone Requirements

   - None

7. Foreign Language Requirements

   Admissions

   - Met by graduation requirement

   Graduation

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

8. Electives

   - Select primarily from upper level courses, with school advisor's approval. May be outside of the department.

9. Additional Requirements

   - None

   - None
11. Departmental Exit Requirements  
- ART 4935 BFA Exhibit/Seminar required. (BFA Exhibit Seminar is only offered during Spring Semester.)  
- Maintain at least a "B" (3.0) GPA in all major requirements.  
- Each senior is required to submit a portfolio of representative work in the student’s specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.  
- Computer Competency met by STA 1063C or GRA 2101C.

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

Total Semester Hours Required  
- 120  

Honors In Major  
- None  

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

Certificates  
- None  

Related Minors  
- Community Arts - PAVE  

Advising Notes  
- [http://svad.cah.ucf.edu/students](http://svad.cah.ucf.edu/students)  
- svadadvising@ucf.edu  

Transfer Notes  
- Lower division courses do not substitute for upper division courses.  
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.  

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

Plan of Study  
- None  

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

Equipment Fees  
- Part-Time Student: $31.50 per term  
- Full-Time Student: $63 per term  

Art - Studio Track (B.A.)  

College of Arts and Humanities  
School of Visual Arts and Design,  
Visual Arts Building, Room: 117  
Email: svadadvising@ucf.edu  
Phone: 407-823-2676  

Note: Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements  
- All students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.  
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.  

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

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

A: Communication Foundations (9 hrs)  

B: Cultural & Historical Foundations (9 hrs)  
- Required ARH 2050 History of Western Art I 3 hrs  
- Required ARH 2051 History of Western Art II 3 hrs  
- Select a course from group B.1 3 hrs  

C: Mathematical Foundations (6 hrs)  
- Math: 3 hrs  
  - Suggested MGF 1106 Finite Mathematics or 3 hrs  
  - Suggested MGF 1107 Explorations in Mathematics or 3 hrs  
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.  

Statistics - Computers  
- Select a course from GEP C.2 list 3 hrs  
- 3 hrs  

D: Social Foundations (6 hrs)  

E: Science Foundations (6 hrs)  

2. Common Program Prerequisites (CPP) (18 hrs)  
- Required ARH 2050 History of Western Art I GEP 3 hrs  
- Required ARH 2051 History of Western Art II GEP 3 hrs  
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs  
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs  
- ART 2300C Drawing Fundamentals I 3 hrs  
- ART 2301C Drawing Fundamentals II 3 hrs  
- GRA 2101C Introduction to Computer Art 3 hrs  
- Any ART 2000-4000 studio or media course. 3 hrs  

3. Core Requirements: Basic Level (6 hrs)  
- Required ARH 2050 History of Western Art I GEP 3 hrs  
- Required ART 2203C Art as Interface 3 hrs  
- Required ART 3950 Portfolio Review 0 hrs  

4. Core Requirements: Advanced Level  
- None  

5. Restricted Electives (27 hrs)  
- Select nine upper division courses representative from at least three different areas:  

Art History  
- Any upper-level ARH course(s)
## UCF Degree Programs

### Book Arts

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3170C</td>
<td>Book Binding</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3171C</td>
<td>Materials for Artist Books</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3175C</td>
<td>Advanced Issues in Contemporary Book Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3176C</td>
<td>The Illuminated Book</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 3373C</td>
<td>Narrative Sculpture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4172C</td>
<td>Book Repair and Restoration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4173C</td>
<td>The Artist Book</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4174C</td>
<td>The Printed Book</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4177C</td>
<td>Commercial Book Design and Publishing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4644C</td>
<td>Books Without Books</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. May be repeated for credit.

### Ceramics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3761C</td>
<td>Intermediate Ceramics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4783C</td>
<td>Advanced Ceramics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. May be repeated for credit.

### Drawing and Printmaking

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3332C</td>
<td>Intermediate Drawing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3433C</td>
<td>Screenprinting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4320C</td>
<td>Advanced Drawing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4402C</td>
<td>Advanced Printmaking</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. May be repeated for credit.

### Illustration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRA 3747C</td>
<td>Intermediate Illustration I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 GRA 4154C</td>
<td>Advanced Illustration</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. May be repeated for credit.

### Painting

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3504C</td>
<td>Intermediate Painting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4505C</td>
<td>Advanced Painting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. May be repeated for credit.

### Photography

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 3410C</td>
<td>Intermediate Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 PGY 4420C</td>
<td>Advanced Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 4440C</td>
<td>Special Problems in Photography</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. May be repeated for credit.

### Sculpture

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3709C</td>
<td>Intermediate Sculpture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4710C</td>
<td>Advanced Sculpture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. May be repeated for credit.

### Time Arts

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3161</td>
<td>Mixed Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3833C</td>
<td>Processes and Ideas in Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4634C</td>
<td>Web Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 FIL 4735C</td>
<td>Advanced Animation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 FIL 4750C</td>
<td>Animation Workshop</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. May be repeated for credit.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Met by graduation requirement.

#### Graduation

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

#### 8. Electives

- Select primarily from upper level courses, with school advisor’s approval. May be outside of the school. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted.)

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Achieve at least a GPA (2.0) overall in courses within the major.
- Computer Competency met by:
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs

### 12. University Minimum Exit Requirements

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

#### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- Art Education
- Art - Emerging Media Track

### Certificates

- None

### Related Minors

- Digital Media

### Advising Notes

- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

### Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

For common program prerequisites if taken.
- GRA 2101C Introduction to Computer Art 3 hrs
- May be substituted with:
- Plan of Study
- Freshman Year - Fall 15 hrs
  - ARH 2050 History of Western Art I 3 hrs
  - ENC 1101 Composition I 3 hrs
  - HUM 2210 Humanistic Tradition I 3 hrs
  - MGF 1106 Finite Mathematics 3 hrs
  - ART 2823 Art as Interface 3 hrs
- Freshman Year - Spring 15 hrs
  - ARH 2051 History of Western Art II 3 hrs
  - ENC 1102 Composition II 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - ART 2201C Design Fundamentals-Two Dimensional 3 hrs
  - Restricted Elective 3 hrs
- Sophomore Year - Fall 15 hrs
  - COM 1000 Introduction to Communication 3 hrs
  - POS 2041 American National Government 3 hrs
  - ART 2200C Design Fundamentals-Three Dimensional 3 hrs
  - ART 2300C Drawing Fundamentals I 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs
- Sophomore Year - Spring 15 hrs
  - ANT 2000 General Anthropology 3 hrs
  - BSC 1005 Biological Principles 3 hrs
  - CHM 1020 Concepts in Chemistry 3 hrs
  - ARH 2500 History of Non-Western Art 3 hrs
  - ART 3950 Portfolio Review 0 hrs
- Junior Year - Fall 16 hrs
  - ART 3332C Intermediate Drawing 3 hrs
  - GRA 3747C Intermediate Illustration I 3 hrs
  - 1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs

1. Any language at this level is acceptable.
Art - Visual Arts and Emerging Media Management

Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadvising@ucf.edu
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Co-op internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

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

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

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

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers
- 3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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

3. Core Requirements: Basic Level (6 hrs)
ART 2823 Art as Interface
ART 2400 History of Non-Western Art

4. Core Requirements: Advanced Level (3 hrs)
GEB 3031 Cornerstone: Professional Skills for Business

3. ART 3950 Portfolio Review

1 Only required if the student intends to enroll in courses that require this as a pre-requisite

5. Restricted Electives (21 hrs)

1 See Transfer Notes for possible substitutes

Aesthetics and Theory 6 hrs

Select 2:

133

Business

DIG 3024 Digital Cultures & Narrative or
ENC 3241 Writing for the Technical Professional or
ENC 3250 Professional Writing or
ENC 3311 Essay as Cultural Commentary or
ENC 4416 Writing in Digital Environments

Written Communication 3 hrs

Select 1: 3 hrs

DIG 3043 Evolution of Video Games or
DIG 3525 Digital Media Production I or
DIG 3480C Computer as a Medium or
DIG 3563 Information Management and Entrepreneurship or
DIG 3716C Internet Interaction or
DIG 4630C Media Business Practices or
DIG 5565C Digital Asset Management Systems or
FIL 4040 Animation Film History for Non Film Majors

Information Management 6 hrs

Select 2: 6 hrs

1 These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship
Business  3 hrs
Select 1:  3 hrs
  1. GEB 3131 Creativity and Entrepreneurship or  3 hrs
  MAR 3023 Marketing  4 hrs
  MAB 3025 Management of Organizations  4 hrs
  BUL 3130 Legal and Ethical Environment of Business  4 hrs

1. These courses may also be applied toward an 18 credit minor in...

Technological Entrepreneurship

Arts Management  3 hrs
  Select one:
  FIL 5612 Film and Internet Business  3 hrs
  ARE 3944 Community Arts Practicum  3 hrs
  ARE 4260 Methods in Art Administration  3 hrs
  ARH 3820 Visual Arts Administration Vitas  3 hrs
  FIL 4647 Film Production Management  3 hrs
  PGY 3480 Museum and Gallery Practices  3 hrs

6. Capstone Requirements
  DIG 4855 Converging Media Capstone  3 hrs

7. Foreign Language Requirements

Admissions
  Met by graduation requirement

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

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, or Internship permitted)

9. Additional Requirements
  None

10. Required Minors
  None

11. Departmental Exit Requirements
  None

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

Total Semester Hours Required
  120

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
  http://svad.cah.ucf.edu/students
  svadadvising@ucf.edu

Transfer Notes
  Grades less than a “C” (2.0) are not accepted.
  Lower division courses do not substitute for upper division courses.
  Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide supporting information.

Acceptable Substitutes for Transfer Courses
  Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will be taken for the major.

Plan of Study

Freshman Year - Fall  15 hrs
  ARH 2050 History of Western Art I  3 hrs
  ENC 1101 Composition I  3 hrs
  1. HUM 2210 Humanistic Tradition I  3 hrs
  2. MGF 1106 Finite Mathematics  3 hrs
  ART 2823 Art as Interface  3 hrs

1. req #IB1-GEP
2. req #IC1-GEP

Freshman Year - Spring  15 hrs
  ARH 2051 History of Western Art II  3 hrs
  ENC 1102 Composition II  3 hrs
  STA 1063C Basic Statistics Using Microsoft Excel  3 hrs
  ART 2201C Design Fundamentals-Two Dimensional  3 hrs
  1. Supporting Elective  3 hrs

1. Check restrictions

Sophomore Year - Fall  15 hrs
  1. COM 1000 Introduction to Communication  3 hrs
  2. POS 2041 American National Government  3 hrs
  ART 2203C Drawing Fundamentals I  3 hrs
  GRA 2101C Introduction to Computer Art  3 hrs

1. req #IA3-GEP
2. req #ID1-GEP

Sophomore Year - Spring  15 hrs
  1. ANT 2000 General Anthropology  3 hrs
  2. BSC 1005 Biological Principles  3 hrs
  3. CHM 1020 Concepts in Chemistry  3 hrs
  ART 2300C Drawing Fundamentals II  3 hrs
  ARH 2500 History of Non-Western Art  3 hrs
  ART 3950 Portfolio Review  0 hrs

1. req #ID2-GEP
2. req #IE2-GEP
3. req #IE1-GEP

Junior Year - Fall  15 hrs
  GEB 3031 Cornerstone: Professional Skills for Business  3 hrs
  1. SPN 1120C Elementary Spanish Language and Civilization I  4 hrs
  2. Restricted Elective  3 hrs
  3. Supporting Elective  1 hr
  3. Supporting Elective  3 hrs

1. req #Lang/Elect
2. req #5
3. Check restrictions

Junior Year - Spring  16 hrs
  1. SPN 1121C Elementary Spanish Language and Civilization II  4 hrs
  2. Restricted Elective  3 hrs
  2. Restricted Elective  3 hrs
  2. Supporting Elective  3 hrs
  3. Supporting Elective  3 hrs

1. req #Lang/Elect
2. req #5
3. Check restrictions

Senior Year - Fall  15 hrs
  1. Restricted Elective  3 hrs
  1. Restricted Elective  3 hrs
  2. Supporting Elective  3 hrs
  2. Supporting Elective  3 hrs
  2. Supporting Elective  3 hrs

1. req #5
2. Check restrictions
Senior Year - Spring 15 hrs
1. Restricted Elective 3 hrs
2. Restricted Elective 3 hrs
2. Supporting Elective 3 hrs
2. Supporting Elective 3 hrs
DIG 4855 Converging Media Capstone 3 hrs

Art Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/arted
Dr. Thomas Brewer, ED 122U, Thomas.Brewer@ucf.edu, 407-823-3714
Dr. Janet Andreason, ED 123Q, Janet.Andreason@ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternates 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.

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer AMH 2010 U.S. History: 1492-1877</td>
</tr>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present</td>
</tr>
<tr>
<td>Required ARH 2050 History of Western Art I</td>
</tr>
</tbody>
</table>

1 A grade of “C-” (1.75) or better is required.
UCF Degree Programs

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- ARE 3940 Internship 3 hrs

Specialization Requirements 15 hrs
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ARE 4351 Teaching Art in the Elementary School 3 hrs
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ARE 4250 Art for Exceptionalities 3 hrs
- ARE 4453 Studio Experiences in Art Education 3 hrs

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

6. Capstone Requirements (12 hrs)
- Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- All art courses and all methods courses must be completed with a letter grade of "C" 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 Florida Educator Accomplished Practices in accordance with State Board of Education rule 6A-5.066.
- ARE 4941 Internship 12 hrs

7. Foreign Language Requirements
Admissions
- State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)
Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
- 126

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- The program of study will be affected by course offerings and availability. Please see the Art Education website at http://education.ucf.edu/arted/ for the advising policy.

Freshman Year - Fall 15 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs

Freshman Year - Summer 6 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- PSC 1121 Physical Science 3 hrs

Sophomore Year - Fall 12 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs

Select 1:
- STA 2014C Basic Statistics Using Microsoft Excel 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring 15 hrs
- GMA 2101C Introduction to Computer Art 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Summer 6 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- Students in Schools
- ART 2301C Drawing Fundamentals II 3 hrs

Junior Year - Fall 15 hrs
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- PGY 2401C Beginning Photography 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- ART 2500C Beginning Painting 3 hrs

Junior Year - Spring 15 hrs
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ARE 4453 Studio Experiences in Art Education 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 6 hrs
- ART 2754C Beginning Ceramics 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

UNIVERSITY OF CENTRAL FLORIDA 136 Undergraduate Catalog 2013-2014
Senior Year - Fall 12 hrs
ARE 4351 Teaching Art in the Elementary School 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
ARE 3940 Internship 3 hrs
Restricted Electives (Any ART/ARH/ARE/PGY 3/4XXX w/ Advisor approval) 3 hrs

Senior Year - Spring 12 hrs
ARE 4941 Internship 12 hrs

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

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Athletic Training (B.S.)
College of Health and Public Affairs
Department of Health Professions,
Health & Public Affairs II, Room: 118/119
http://www.cohpa.ucf.edu/athletictraining
Email: atinfo@ucf.edu
Kristen C. Schellhase
Phone: 407-823-2747

Admission Requirements
- Students may only begin the athletic training program track in the Summer B semester and must have:
  - A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training 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 College or completion of UCF’s General Education Program.
  - This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
  - Consent of Program Director.
  - A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

Technical Standards Requirement
- The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program’s technical standards does not guarantee a student’s eligibility for the BOC examination.
  - Candidates for selection to the Program in Athletic Training will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program’s technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internship deemed essential to graduation. Each candidate must provide a copy of a recent physical examination by a physician.
  - The technical standards for admission into the Program in Athletic Training include:
    - The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm;
    - Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients;
    - The ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice;
    - The ability to record the physical examination results and a treatment plan clearly and accurately;
    - The capacity to maintain composure and continue to function well during periods of high stress;
    - The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;
    - Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations; and
    - Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Degree Requirements
- Students who are accepted into the Program in Athletic Training must adopt the most current catalog
- Students should complete the General Education Program, Admission Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida College System or State University System
- Students should consult with a departmental advisor
- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Program in Athletic Training, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflicts
- The courses designated in sections 1 and 2 below may be taken at a Florida College, and should usually be completed in the first 60 hours.
- UCF Residency Requirement: 30 hours
## UCF Degree Programs

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

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested Materials:</td>
<td></td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP) (15 hrs)

- The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a "C" (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>必修课程</th>
<th>学分</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>GEP</td>
</tr>
<tr>
<td>ZOO 3733C Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 2201 Fundamentals of Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>GEP</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level (None)

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

#### Professional Phase

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

<table>
<thead>
<tr>
<th>必修课程</th>
<th>学分</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 4014C Introduction to Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3102 Principles of Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3012C Clinical Skills for Athletic Trainers I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ATR 3812L Practicum in Athletic Training I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HSC 3147 Introduction to Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3212C Recognition and Evaluation of Athletic Injuries I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4315C Biomechanics of Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3822L Practicum in Athletic Training II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4213C Recognition and Evaluation of Athletic Injuries II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 3013C Clinical Skills for Athletic Training II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ATR 4313C Therapeutic Exercise in Athletic Training</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4202C Therapeutic Modalities in Athletic Training</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4512C Organization and Administration of Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3510C Physiologic &amp; Metabolic Basis of Human Movement &amp; Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4315C Advanced Rehabilitation in Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4832L Practicum in Athletic Training III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 4606 Applied Fitness in Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4842L Practicum in Athletic Training IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4103 Case Studies in Sports Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4933 Athletic Training Seminar</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (None)

### 6. Capstone Requirements (None)

### 7. Foreign Language Requirements

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

- Graduation
  - None

### 8. Electives

- Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport and Exercise Science.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- A minimum overall GPA of 2.75 and a minimum grade of "C" (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Program in Athletic Training.

- Two years of successful clinical rotation under the direct supervision of an approved preceptor.

### 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

120

### Honors In Major

- None

### Related Programs

- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

### Certificate

- None

### Related Minors

- Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

<table>
<thead>
<tr>
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</tr>
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<tbody>
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<td>4 hrs</td>
</tr>
<tr>
<td>HUN 2201 Fundamentals of Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>GEP</td>
</tr>
</tbody>
</table>

### Advising Notes

- None

### Transfer Notes

- None
Acceptable Substitutes for Transfer Courses
- Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086)
- Biology I with Lab (BSC 1010 and BSC 1010L)
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring 13 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- BSC 2010C Biology I 4 hrs
- MAC 1114C 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 2201 Fundamentals of Human Nutrition 3 hrs
- PCB 3703C Human Physiology 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Select 1: 3 hrs
  - MUL 2101 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 3102 Principles of Athletic Training 3 hrs
- Foreign Language (if not satisfied in high school) 4 hrs
- Junior Year - Fall 12 hrs
- ATR 3812L Practicum in Athletic Training I 4 hrs
- ATR 3012C Clinical Skills for Athletic Trainers I 2 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
- Free Elective 3 hrs

Junior Year - Spring 12 hrs
- 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
- Free Elective 3 hrs

Junior Year - Summer 8 hrs
- ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
- ATR 4323C Therapeutic Modalities in Athletic Training 4 hrs

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

Senior Year - Spring 11 hrs
- ATR 4933 Athletic Training Seminar 1 hr
- PET 4606 Applied Fitness in Sport 3 hrs
- ATR 4842L Practicum in Athletic Training IV 4 hrs
- ATR 4103 Case Studies in Sports Medicine 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: $19.50 per term
- Full-Time Student: $39 per term

Biology (B.S.)
College of Sciences
Department of Biology, BL, Room: 301
http://www.cos.ucf.edu/biology
Email: biology@ucf.edu
Frank Logiudice
Phone: 407-823-2141

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- Biology majors must earn a “C” (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate 2 hrs
  - Biology
- Upon reaching junior standing, Biology majors are expected to have completed the following courses and associate chemistry laboratories. These classes are prerequisites for advanced science classes and students entering the major without these classes will be unable to register for most of the advanced courses:
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - PHY 2053C College Physics I 4 hrs
  - PHY 2054C College Physics II 4 hrs

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.
UCF Degree Programs

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Mathematics:
- Note: Prior to enrolling in Math, take Math Placement Test – http://utcm.sdes.ucf.edu
- Suggested MAC 2333 Concepts of Calculus or 3 hrs
- Suggested MAC 2253 Applied Calculus or 3 hrs
- Prefer MAC 2311C Calculus with Analytic Geometry I 4 hrs

Statistics
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses.

Biology:
- Required BSC 2010C Biology I 4 hrs
- Required BSC 2011C Biology II 3 hrs

Chemistry:
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- or: 9 hrs
- or - Students with little chemistry background should take this two semester equivalent instead.
- Required CHM 2040 Chemistry Fundamentals IA 3 hrs
- Required CHM 2041 Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic Level (8 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core;
- Basic Core: Required, satisfies the CPP

Select the sequence identified by the Chemistry Placement exam;
- Prior to enrolling in Chemistry, take Chemistry Placement Test- http://chemplacement.sdes.ucf.edu
- For students with a strong chemistry background and a high Chemistry Placement score:
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- or - Students with little chemistry background should take this two semester equivalent instead.
- Required CHM 2040 Chemistry Fundamentals IA and 3 hrs
- Required CHM 2041 Chemistry Fundamentals IB 3 hrs

Note: a minimum grade of “C” (2.0) is required for this Biology course to be used as a prerequisite.

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses.

Biology:
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Chemistry:
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- or - CHM 2040 Chemistry Fundamentals IA and 3 hrs
- or - CHM 2041 Chemistry Fundamentals IB 3 hrs

and - both of the following:
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Math:
- Select one math course and this statistics course.
  - MAC 2333 Concepts of Calculus or GEP
  - MAC 2253 Applied Calculus or GEP
  - MAC 2311C Calculus with Analytic Geometry I or GEP
  - STA 2023 Statistical Methods I GEP

Physics: Complete one entire sequence
- 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
- or PHY 2049C Physics for Engineers and Scientists II 4 hrs

Basic Core: Additional Requirements

Chemistry:
- Students planning on entering professional or graduate school should take Biochemistry and will thus need a year of Organic Chemistry. Students are urged to consult their departmental advisor.

Complete one entire sequence
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- or:
  - CHM 2205 Introduction to Organic and Biochemistry 3 hrs
  - CHM 3120 Analytical Chemistry and 3 hrs
  - CHM 3120L Analytical Chemistry Laboratory 1 hr

4. Core Requirements: Advanced Level (13 hrs)
- Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

Complete one entire sequence
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs

5. Restricted Electives (22 hrs)
- Courses must be selected from the groupings listed below.
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department. Courses offered by the Department of Biology have been identified. Additional courses may be used to meet a group requirement with approval of the undergraduate program coordinator via petition.
Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.

Courses at the 5000 level are only open to seniors and beginning graduate students.

Form/Function
Complete a minimum of one lecture course

from this group

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 4223C</td>
<td>Plant Anatomy or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BOT 4303C</td>
<td>Plant Kingdom or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BOT 4503</td>
<td>Plant Physiology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063L</td>
<td>Genetics Laboratory or</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3233</td>
<td>Immunology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 4514</td>
<td>Genetics II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4524</td>
<td>Molecular Biology II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4678</td>
<td>Evolution and Medicine or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4683L</td>
<td>Evolutionary Biology Lab or</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 4684</td>
<td>Population Genetics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4733</td>
<td>Animal Physiology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 5295</td>
<td>Population Genetics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3713C</td>
<td>Comparative Vertebrate Anatomy or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4063C</td>
<td>Embryology/Development or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>Vertebrate Histology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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

Environmental
Complete a minimum of one lecture course

from this group

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 3018C</td>
<td>Culinary Botany Across the Cultures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3152C</td>
<td>Local Flora or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3802</td>
<td>Ethnobotany or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 4650</td>
<td>Medicinal Botany or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 3052</td>
<td>Conservation Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 3312</td>
<td>Principles of Marine Biology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 4312C</td>
<td>Advanced Marine Biology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 4330</td>
<td>Invasion Biology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 4501</td>
<td>Biogeography or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 4861L</td>
<td>SL Sustainability:Socially &amp; Economically Viable Environmental Protection or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 5258L</td>
<td>Tropical Biology Research and Conservation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044L</td>
<td>Principles of Ecology Laboratory or</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3343L</td>
<td>Principles of Field Ecology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PCB 3354</td>
<td>Tropical Ecology and Conservation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3355L</td>
<td>Tropical Marine Biology or</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3442</td>
<td>Aquatic Ecology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4553C</td>
<td>Marine Ecology of Florida or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 5485</td>
<td>Models in Ecology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAZ 4234</td>
<td>Zoo and Aquarium Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 4513</td>
<td>Animal Behavior</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Fulfills Botany requirement. Offered in Biology department.
2. Fulfills Zoology requirement. Offered in Biology department.
3. variable credit 2-5 hrs

Systematic
Complete a minimum of one lecture course

from this group

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3505C</td>
<td>Primatology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 4434C</td>
<td>General Mycology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BOT 4713C</td>
<td>Plant Taxonomy or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ENV 4004C</td>
<td>General Entomology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENV 5006C</td>
<td>Entomology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4205C</td>
<td>Biology and Ecology of Metazoon Invertebrates or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4480</td>
<td>Mammalogy or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 5456C</td>
<td>Ichthyology or</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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

Form/Function
Complete a minimum of one lecture course

from this group

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 5463C</td>
<td>Herpetology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 5475L</td>
<td>Field Ornithology or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

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

Graduation
■ None

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

Foreign Language Requirements

Admissions
■ None

Required Minors
■ None

Departmental Exit Requirements
■ A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives used to satisfy the requirement.

Students will be required to take a comprehensive exam in biology during their last semester. Students must take the exam during their term of graduation.

Biology majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where the first semester of a two semester sequence has already been taken at a Florida College System institution.

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

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Environmental Engineering
■ Biomedical Sciences
■ Science Education - Biology
■ Interdisciplinary Studies - Environmental Studies Track

Certificates
■ None

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.
UCF Degree Programs

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010 and BOT X010 with labs.
  - CHM 2045C: may use CHM X040 plus CHM X041.
  - Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
  - Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test at http://utc.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt

Freshman Year - Fall 15 hrs
- BSC 2010C  Biology I  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- Math Course, depending on placement score  4 hrs
- ENC 1101  Composition I  3 hrs

Freshman Year - Spring 14 hrs
- BSC 2011C  Biology II  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- Note: This lab may be taken in a later term if seats are not available.
- ENC 1102  Composition II  3 hrs
- Elective or Math course if needed  3 hrs

Sophomore Year - Fall 13 hrs
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs
- CHM 2210  Organic Chemistry I  3 hrs
- PCB 3063  Genetics  3 hrs
- PCB 3044  Principles of Ecology  3 hrs

Sophomore Year - Spring 16 hrs
- CHM 2211  Organic Chemistry II  3 hrs
- CHM 2211L  Organic Laboratory Techniques I  2 hrs
- Note: This lab may be taken in a later term if seats are not available.
- STA 2023  Statistical Methods I  3 hrs
- Restricted Elective  5 hrs
- GEP  3 hrs

Junior Year - Fall 15 hrs
- PHY 2053C  College Physics I  4 hrs
- PCB 3023  Molecular Cell Biology  3 hrs
- Restricted Elective  5 hrs
- Elective  3 hrs

Junior Year - Spring 15 hrs
- PHY 2054C  College Physics II  4 hrs
- Restricted Elective  4 hrs
- GEP  3 hrs
- Elective  4 hrs

Senior Year - Fall 16 hrs
- PCB 4683  Evolutionary Biology  4 hrs
- Restricted Elective  4 hrs
- GEP  3 hrs
- GEP  3 hrs
- Elective  3 hrs
- Elective  3 hrs

Senior Year - Spring 16 hrs
- Restricted Elective  4 hrs
- GEP  3 hrs
- GEP  3 hrs

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

Equipment Fees
- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term

Biology - Preprofessional Concentration (B.S.)

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

Email: biology@ucf.edu
Frank Logiudice
Phone: 407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine. This curriculum suggests choices within the Biology major that may be more relevant to preprofessional majors.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Biology majors must earn a “C” (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L  Biology Laboratory Techniques  1 hr
  - BSC 4937  Instructional Experiences in Undergraduate Biology  2 hrs
Upon reaching junior standing (60 hours), Biology majors are expected to have completed the following courses. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses. BSC 2010C Biology I 4 hrs BSC 2011C Biology II 4 hrs CHM 2045C Chemistry Fundamentals I 4 hrs CHM 2046 Chemistry Fundamentals II 3 hrs CHM 2046L Chemistry Fundamentals Laboratory 1 hr CHM 2210 Organic Chemistry I 3 hrs CHM 2211 Organic Chemistry II 3 hrs CHM 2211L Organic Laboratory Techniques I 2 hrs PHY 2053C College Physics I 4 hrs PHY 2054C College Physics II 4 hrs

1. UCF General Education Program (GEP) (39 hrs)

Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Note: Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

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

D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1603C Fundamentals of Technical Presentations 3 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/
- For students with a strong chemistry background and a high Chemistry Placement score
  - Required CHM 2045C Chemistry Fundamentals I 4 hrs
  - or - Students with little chemistry background should take this two semester equivalent instead.
  - Required CHM 2040 Chemistry Fundamentals IA and 3 hrs
    - Required CHM 2041 Chemistry Fundamentals IB 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.
- Although other courses may satisfy the CPP, these specifically satisfy the major requirements or are better for preprofessional students.

Biology: 4 hrs
- Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite. BSC 2010C Biology I and 4 hrs BSC 2011C Biology II 4 hrs

Chemistry:
- Take Placement test before starting chemistry;
  http://chemplacement.sdes.ucf.edu
  CHM 2045C Chemistry Fundamentals I GEP
  or:
  CHM 2040 Chemistry Fundamentals IA and 4 hrs
  CHM 2041 Chemistry Fundamentals IB GEP
  - and:
  CHM 2046 Chemistry Fundamentals II and 3 hrs
  CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Math:
MAC 2311C Calculus with Analytic Geometry I and 3 hrs
STA 2023 Statistical Methods I 3 hrs

Physics:
PHY 2048C Physics for Engineers & Scientists I and 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (8 hrs)

All courses specifically identified in the proceeding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

Basic Core: Required, satisfies the CPP

Biology:
- Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite. BSC 2010C Biology I and 4 hrs BSC 2011C Biology II 4 hrs

Chemistry:
CHM 2045C Chemistry Fundamentals I GEP/CPP
- or:
CHM 2040 Chemistry Fundamentals IA and 4 hrs
CHM 2041 Chemistry Fundamentals IB GEP/CPP
- and:
CHM 2046 Chemistry Fundamentals II and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Math:
MAC 2311C Calculus with Analytic Geometry I and 3 hrs
STA 2023 Statistical Methods I 3 hrs

Physics:
PHY 2048C Physics for Engineers & Scientists I and 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

4. Core Requirements: Advanced Level (13 hrs)

- Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

PCB 3023 Molecular Cell Biology 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3063 Genetics 3 hrs
PCB 4683 Evolutionary Biology 4 hrs

5. Restricted Electives (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be more appropriate for many professional schools.
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
UCF Degree Programs

- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.

Form/Function

Complete a minimum of one lecture course 3 hrs from this group.

- Because of the large number of courses taught in other departments, students must ensure they complete the required hours to be taken within the UCF Biology Department.

Environmental

Complete a minimum of one lecture course 3 hrs from this group.

- Students will be required to take a comprehensive exam during their term of graduation, and must earn a passing score.
- 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.
- Biology majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where the first semester of a two semester sequence has already been taken at a Florida College System institution.

12. University Minimum Exit Requirements

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

Total Semester Hours Required

120

Honors in Major

None

Related Programs

- Biology
- Chemistry
- Biomedical Sciences

Certificates

None

Related Minors

- Biology
- Biomedical Sciences

Advising Notes

- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are strongly encouraged to work with the Office of Pre-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 407-823-3033).
- An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses (sections 3 and 4) and the following courses prior to taking the MCAT exam:
  - MCB 3020C General Microbiology 5 hrs
  - PCB 4524 Molecular Biology II 3 hrs

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010C and BOT X010C.
  - CHM 2045C: may use CHM X040 plus CHM X041.
  - Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
  - Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

- Acceptable Substitutes for Transfer Courses
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://utcmas.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

**Freshman Year - Fall**  15 hrs
- BSC 2010C  Biology I  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- ENC 1101  Composition I  3 hrs
- Math course, depending on placement score  4 hrs

**Freshman Year - Spring**  15 hrs
- BSC 2011C  Biology II  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- Math course  4 hrs
- ENC 1102  Composition II  3 hrs

**Sophomore Year - Fall**  16 hrs
- CHM 2210  Organic Chemistry I  3 hrs
- PCB 3044  Principles of Ecology  3 hrs
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs
- STA 2023  Statistical Methods I  3 hrs
- GEP  3 hrs

**Sophomore Year - Spring**  15 hrs
- CHM 2211  Organic Chemistry II  3 hrs
- CHM 2211L  Organic Laboratory Techniques I  2 hrs
- May be taken in a later term if seats are not available.
- PCB 3063  Genetics  3 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- GEP  3 hrs

**Junior Year - Fall**  16 hrs
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs
- PCB 4683  Evolutionary Biology  4 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- GEP  3 hrs

**Junior Year - Spring**  14 hrs
- PHY 2049C  Physics for Engineers & Scientists II  4 hrs
- PCB 4684  Evolutionary Biology  4 hrs
- Restricted Elective  3 hrs
- GEP  3 hrs

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

**Senior Year - Spring**  14 hrs
- Restricted Elective  4 hrs
- Restricted Elective  3 hrs
- Free Elective  4 hrs
- Free Elective  3 hrs

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

**Equipment Fees**
- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term

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**Biomedical Sciences (B.S.)**
**College of Medicine**
**Burnett School of Biomedical Sciences**
**Department of Molecular and Microbiology,**
**Health & Public Affairs II, Room: 335**
http://www.biomed.ucf.edu

**Email:** bcbinfo@ucf.edu

Dr. Richard Peppler, Interim Director
Phone: 407-823-5932

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below "C-" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students should consult with a departmental advisor.

1. **UCF General Education Program (GEP)**  (38 hrs)
- Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: **Communication Foundations**
- Required **ENC 1101**  Composition I  3 hrs
- Select 1: **MAC 2311C**  Calculus with Analytic Geometry I or
- Suggested **CGS 1060C**  Introduction to Computers  3 hrs

B: **Cultural & Historical Foundations**  (9 hrs)
- **Select 1:**  4 hrs
- Suggested **MAC 2253**  Applied Calculus  3 hrs

C: **Mathematical Foundations**
- **Select 1:**  3 hrs
- Suggested **SPC 1603C**  Fundamentals of Technical Presentations  3 hrs

D: **Social Foundations**  (6 hrs)
- **Select 1:**  3 hrs
- Suggested **STA 2023**  Statistical Methods I or
- Suggested **STA 2024**  Statistical Methods II or

E: **Science Foundations**  (8 hrs)
- **Select 1:**  4 hrs
- Required **BSC 2010C**  Biology I  4 hrs
- Required **CHM 2046**  Chemistry Fundamentals I  4 hrs
- **Select 2:**  4 hrs
- Required **CHM 2046L**  Chemistry Fundamentals Laboratory  1 hr
- **Select 3:**  4 hrs
- Required **MAC 2311C**  Calculus with Analytic Geometry I  4 hrs

2. **Common Program Prerequisites (CPP)**  (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- **Select one of the following sequences of courses:**

   - **PHY 2053C**  College Physics I and
   - **PHY 2054C**  College Physics II and
   - **PHY 2048C**  Physics for Engineers & Scientists I and
   - **PHY 2049C**  Physics for Engineers and Scientists II and

   1. See Transfer Notes for possible substitutions.

3. **Core Requirements: Basic Level**  (8 hrs)
- **Math, Statistics, Computer**
- **Select 1:**  4 hrs
- Required **MAC 2311C**  Calculus with Analytic Geometry I or
- Required **MAC 2253**  Applied Calculus
- **Select 1:**  3 hrs
- Required **STA 2023**  Statistical Methods I or
- Required **CGS 1060C**  Introduction to Computers
4. Core Requirements: Advanced Level (25 hrs)

Chemistry

- BCH 4053  Biochemistry I  3 hrs
- BCH 4103L  Biochemical Methods  2 hrs
- MCB 3203  Pathogenic Microbiology  5 hrs
- MCB 4404  Bacterial Genetics and Physiology  3 hrs
- MCB 414C  Determinative & Systemic Microbiology  4 hrs
- MCB 4207  Infectious Processes  3 hrs
- MCB 4204  Cellular Microbiology: Host-Pathogen Interactions  3 hrs
- MCB 4276  Epidemiology of Infectious Diseases  3 hrs
- MCB 4312  Molecular Biotechnology  3 hrs
- MCB 4503C  Virology  3 hrs
- MCB 4603  Environmental Microbiology  3 hrs
- MCB 4721C  Methods in Biotechnology  4 hrs
- MCB 5222  Molecular Biology of Disease  3 hrs
- MCB 5564  Applied Microbiology  3 hrs
- MCB 5932  Current Topics in Molecular Biology  3 hrs
- MLS 3205C  Techniques in Clinical Microscopy  3 hrs
- MLS 4334  Hemostasis  3 hrs
- MLS 4430C  Clinical Parasitology  3 hrs
- MLS 4505C  Immunodiagnostics  3 hrs
- MCB 4625  Advanced Clinical Chemistry I  3 hrs
- MCB 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 4521  Tissue Engineering  3 hrs
- PCB 4514  Genetics II  3 hrs
- PCB 4529  Experimental Molecular Biology  3 hrs
- PCB 4805  Endocrinology  3 hrs
- PCB 5238  Immunology  3 hrs
- PCB 5236  Cancer Biology  3 hrs
- PCB 5275  Signal Transduction Mechanics  3 hrs
- ZOO 3701C  Human Gross Anatomy & Dissection  3 hrs
- ZOO 3733C  Human Anatomy  4 hrs
- ZOO 3744  Neurobiology  3 hrs
- ZOO 4603C  Embryology/Development  5 hrs
- ZOO 4605  Human Clinical Embryology and Congenital Malformation  3 hrs
- ZOO 4743C  Clinical Neuropathology and Neuroscience  4 hrs
- ZOO 4753C  Vertebrate Histology  4 hrs
- ZOO 5745C  Essentials of Neuroanatomy  4 hrs
- MCB 3203L  Pathogenic Microbiology Lab  1 hr
- MCB 4970H  Honors Undergraduate Thesis II  3 hrs
- BOT 4434C  General Mycology  4 hrs
- MCB 3202  Principles of Infectious Disease  3 hrs
- PCB 4234  Cancer Biology  3 hrs
- ZOO 4747C  Clinical Neuroscience  4 hrs
- PCB 4264  Stem Cell Biology  3 hrs

1 Recommended for Preprofessional students
UCF Degree Programs

Transfer Notes

- Students who begin a two semester sequence course (e.g., General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2011C Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2041</td>
<td></td>
</tr>
</tbody>
</table>

Select 1:

- 3 hrs

Sophomore Year - Fall

- 15 hrs

Select 1:

- 4 hrs

Sophomore Year - Spring

- 15 hrs

Select 1:

- 3 hrs

Junior Year - Fall

- 17 hrs

Select 1:

- 4 hrs

Junior Year - Spring

- 16 hrs

Select 1:

- 3 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Program Academic Learning Compacts

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

Equipment Fees

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

Biomedical Sciences - Preprofessional Concentration (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology, Health & Public Affairs II, Room: 335 http://www.biomed.ucf.edu

Email: bcbcsinfo@ucf.edu

Dr. Richard Peppler, Interim Director

Phone: 407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult the General Education Program before transferring within the Florida College System or State University System.
- Grades below “C-” in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA1 124.

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

- Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs
- Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

1 Or BSC 3403C.

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

B: Cultural & Historical Foundations (9 hrs)
UCF Degree Programs

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
- Required CGS 1060C Introduction to Computers or STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

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

3. Core Requirements: Basic Level (10 hrs)
Life Sciences: Basic
- SLS 2311C Overview of Select Medical Careers 2 hrs

Math, Statistics, Computers
Select 1: 4 hrs
- MAC 2311C Calculus with Analytic Geometry I or GEP
- MAC 2253 Applied Calculus GEP

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

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

4. Core Requirements: Advanced Level (25 hrs)
Life Sciences: Advanced
- MCB 3020C General Microbiology 5 hrs
- MCB 4414 Microbiol Metabolism 3 hrs
- PCB 4280 Molecular Immunology 3 hrs
- PCB 3238L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry
BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives
7 courses minimum
- Seven courses from below, from which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.
- Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:
  - BCH 4054 Biochemistry II 3 hrs
  - MCB 3203 Pathogenic Microbiology 3 hrs
  - MCB 4404 Bacterial Genetics and Physiology 3 hrs
  - MCB 4207 Infectious Processes 3 hrs
  - MCB 4276 Epidemiology of Infectious Diseases 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 3 hrs
  - MLS 4505C Immunodiagnosics 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
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- Minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

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

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following with a grade of B or better (4 credits)
  - BSC 3403C Honors Quantitative Biological Methods 4 hrs
## UCF Degree Programs

### biotechnology (B.S.)

**College of Medicine**

**Burnett School of Biomedical Sciences**

**Department of Molecular and Microbiology, Health & Public Affairs II, Room: 335**

**Email**: bcbsinfo@ucf.edu

Dr. Richard Peppler, Interim Director

Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a Departmental advisor
- Courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours

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### Plan of Study

- **Freshman Year - Fall**
  - ENC 1101 Composition I or 3 hrs
  - CHM 2045C Chemistry Fundamentals I or 4 hrs
  - MAC 1105C College Algebra or 3 hrs

- **Select 1:**
  - PSY 2012 General Psychology or 3 hrs
  - SYG 2000 Introduction to Sociology or 3 hrs
  - ANT 2000 General Anthropology or 3 hrs

- **Freshman Year - Spring**
  - ENC 1102 Composition II or 3 hrs
  - CHM 2046 Chemistry Fundamentals II or 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory or 1 hr
  - BSC 2010C Biology I or 4 hrs
  - MAC 1114C College Trigonometry or 3 hrs

- **Sophomore Year - Fall**
  - CHM 2210 Organic Chemistry I or 3 hrs
  - MCB 3020C General Microbiology or 5 hrs

- **Select 1:**
  - MAC 2311C Calculus with Analytic Geometry I or 4 hrs
  - MCB 2253 Applied Calculus or 3 hrs

- **Junior Year - Fall**
  - PCB 3522 Molecular Biology I or 3 hrs
  - MCB 2011C Biology II or 4 hrs

- **Select 1:**
  - PHY 2053C College Physics I or 4 hrs
  - PHY 2048C Physics for Engineers & Scientists I or 4 hrs

- **Senior Year - Fall**
  - PCB 4524 Molecular Biology II or 3 hrs
  - PCB 4280 Molecular Immunology or 3 hrs
  - PCB 3233L Immunology Laboratory or 1 hr
  - SPC 1603C Fundamentals of Technical Presentations or 3 hrs
  - Restricted Elective or 3 hrs

- **Sophomore Year - Spring**
  - ENC 1102 Composition II or 3 hrs
  - CHM 2210 Organic Chemistry I or 3 hrs
  - BSC 2011C Biology II or 4 hrs

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

- **Select 1:**
  - 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 or 3 hrs

- **Junior Year - Spring**
  - PCB 4524 Molecular Biology II or 3 hrs
  - PHY 2049C Physics for Engineers & Scientists II or 4 hrs

- **Select 1:**
  - ENC 2102 Composition III or 3 hrs
  - MAC 2312 College Trigonometry or 3 hrs

- **Senior Year - Spring**
  - PCB 4524 Molecular Biology II or 3 hrs
  - PHY 2049C Physics for Engineers & Scientists II or 4 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](http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

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

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### Related Programs

- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

### Certificates

- None

### Transfer Notes

- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses do not substitute for upper division courses.

### Acceptable Substitutes for Transfer Courses

- BSC 3403C may be substituted with: CHM 2040
- MCB 4970H Honors Undergraduate Thesis II or 1 hr

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**UNIVERSITY OF CENTRAL FLORIDA**
UCF Degree Programs

- 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
- Preferred SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required STA 2023 Statistical Methods I 3 hrs

Select 1: 4 hrs
- Required MAC 2311C Calculus with Analytic Geometry I or
- Required MAC 2253 Applied Calculus 3 hrs

C: Mathematical Foundations
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- Required BSC 2010C Biology I 4 hrs

F: Basic Level (21 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 2045C Chemistry Fundamentals I GEP

CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
STA 2023 Statistical Methods I GEP
MAC 2311C 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 4280 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs

Chemistry
- BCH 4053 Biochemistry I 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2211L Organic Laboratory Techniques I 2 hrs

Physics

Select one of the following sequences of courses:
- PHY 2053C College Physics I and
- PHY 2054C College Physics II 4 hrs
- or
- PHY 2048C Physics for Engineers & Scientists I and
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Math

Select 1: 3 hrs
- MAC 2311C Calculus with Analytic Geometry I or
- MAC 2253 Applied Calculus GEP

5. Restricted Electives (6 hrs)
- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
- Those students who do not qualify for the MCB 4970H may elect MCB 4912. Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.

BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
MCB 3203 Pathogenic Microbiology 3 hrs
MCB 4404 Bacterial Genetics and Physiology 3 hrs
MCB 4207 Infectious Processes 3 hrs
MCB 4204 Cellular Microbiology: Host-Pathogen 3 hrs

Interactions
- MCB 4503C Virology 3 hrs
- MCB 4603 Environmental Microbiology 3 hrs
- MCB 5225 Molecular Biology of Disease 3 hrs
- MCB 5505 Molecular Virology 3 hrs
- MCB 5564 Applied Microbiology 3 hrs
- MCB 5932 Current Topics in Molecular Biology 3 hrs

PCB 3063 Genetics 3 hrs
PCB 3703C Human Physiology 4 hrs
PCB 4521 Tissue Engineering 3 hrs
PCB 4805 Endocrinology 3 hrs
PCB 5238 Immunobiology 3 hrs
PCB 5275 Signal Transduction Mechanics 3 hrs
PCB 5236 Cancer Biology 3 hrs
MCB 4912 Directed Independent Research 3 hrs
MCB 4970H Honors Undergraduate Thesis II 3 hrs
MCB 3203L Pathogenic Microbiology Lab 1 hr

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester

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

Total Semester Hours Required
- 120
## UCF Degree Programs

### Honors In Major
- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution
- Complete the following with a grade of B or better:
  - BSC 3403C Honors Quantitative Biological Methods 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis

### Related Programs
- Biology
- Chemistry
- Medical Laboratory Sciences
- Biomedical Sciences

### Certificates
- None

### Related Minors
- Biology
- Chemistry
- Biomedical Sciences

### Advising Notes
- None

### Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.

### Acceptable Substitutes for Transfer Courses
- Substitutes for Common Program Prerequisites
  - MAC X311 or MAC X233 or MAC X353 or MAC X281
  - PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
  - STA X023 or STA X122 or STA X014 or STA X024 or STA X321

### Acceptable Substitutes
- CHM 2045C may be substituted with CHM 2040 and CHM 2041
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs

### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Select 1: 3 hrs
  - PSY 2012 General Psychology or
  - SYG 2000 Introduction to Sociology or
  - ANT 2000 General Anthropology 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 4 hrs

#### Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- Select 1: 4 hrs
  - MAC 2211C Calculus with Analytic Geometry I or
  - MAC 2253 Applied Calculus 4 hrs

#### Sophomore Year - Spring
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

#### Select 1: 3 hrs
- STA 2023 Statistical Methods I or
- CJS 1000 Introduction to Computers 3 hrs

#### Select 1: 3 hrs
- EUH 2000 Western Civilization I or
- AMH 2010 U.S. History: 1492-1877 or
- WOH 2012 World Civilization I or
- HUM 2210 Humanistic Tradition I 3 hrs

#### Junior Year - Fall
- PCB 3522 Molecular Biology I 3 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs

#### Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or
- POS 2041 American National Government 3 hrs

#### Select 1: 3 hrs
- PHY 2053C College Physics I or
- 1 PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Senior Year - Fall
- BCH 4053 Biochemistry I 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Spring
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- Restricted Elective 3 hrs

### Notes
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

### Related Programs
- Medical Laboratory Sciences
- Biomedical Sciences

### Advising Notes
- None

### Transfer Notes
- Students who transfer in their junior year from a Florida College System institution, the revised sequence of courses is provided. It is assumed that GEP and physics will be completed at an FCS institution:

#### Junior Year - Fall
- PCB 3522 Molecular Biology I 3 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Fall
- MCB 4414 Microbial Metabolism 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- Elective 3000 level 3 hrs

### Notes
- For students who transfer in their junior year from a Florida College System institution, the revised sequence of courses is provided.

### Undergraduate Catalog 2013-2014
UCF Degree Programs

Senior Year - Spring
PCB 4524  Molecular Biology II  3 hrs
PCB 4280  Molecular Immunology  3 hrs
PCB 3233L  Immunology Laboratory  1 hr
PCB 4529  Experimental Molecular Biology  3 hrs
PCB 4174  Foundation of Bio-Imaging Science  3 hrs

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

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Business Administration (B.A.B.A.)
College of Business Administration

Department of Management,
Business Administration II, Room: 101
Only offered at Regional Campuses.
http://www.bus.ucf.edu
Email: cba@bus.ucf.edu
Selena Forrest (Clermont Advising), 352-536-2174
Angelia Jones (Cocoa Advising), 321-433-7889
Christine Davis (Daytona Advising), 386-506-4021
Melba Sanchez (College of Business), 407-823-2184
Phone: 407-823-2184

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, a B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF’s undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor. Not eligible for a double degree or double major with another CBA major.

Admission Requirements
- 2.0 GPA and completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of “C” (2.0) or better in each course applied toward the major.

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

A: Communication Foundations (9 hrs)
  Prefer SPC 1608  Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
  Required STA 2023  Statistical Methods I  3 hrs
  Prefer MAC 1105C  College Algebra  3 hrs

D: Social Foundations (6 hrs)
  Select 1: 3 hrs
  Suggested ECO 2013  Principles of Macroeconomics or 3 hrs
  Suggested ECO 2023  Principles of Microeconomics  3 hrs

Select one of the following sequences of courses: (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 2003  Principles of Macroeconomics  3 hrs
  ECO 2023  Principles of Microeconomics  3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select one of the following sequences of courses: (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 3301L  Cornerstone: Professional Skills for Business  1 hr
2 GEB 3301L  Cornerstone Lab: Professional Skills for Business  1 hr
ECO 3401  Quantitative Business Tools I  3 hrs
or
MAC 2323  Concepts of Calculus and Business Calculus  3 hrs
STB 2023  Statistics  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 3301L  Cornerstone: Professional Skills for Business  1 hr
2 GEB 3301L  Cornerstone Lab: Professional Skills for Business  1 hr
MAN 3025  Management of Organizations  4 hrs
MAR 3023  Marketing  4 hrs
MAR 3023  Supply Chain and Operations Management  4 hrs

1 Required in the 1st or 2nd semester
2 Must be taken with GEB 3301

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 3301L  Cornerstone: Professional Skills for Business  1 hr
  2 GEB 3301L  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 3301

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
- Students in the Bachelor of Arts Business Administration (BABA) major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher, Business courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Business courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Business courses in a subsequent term, that student will be dropped as an BABA major. A student who is dropped may seek remittance as an BABA major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Business GPA of 2.0 or higher. Readmission is not automatic.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Florida College System institution students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 18 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.academiclearningcompacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Chemistry (B.S.)

College of Sciences

Department of Chemistry,
Physical Sciences Building, Room: 255
http://chemistry.cos.ucf.edu/
Email: pedro.patino@ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours,
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major.
- These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
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<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
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<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
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<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
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<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Dr. Pedro Patino
UCF Degree Programs

1. UCF General Education Program (GEP) (39 hrs)
   - Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Prefer STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (24 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - Prior to enrolling in Chemistry, you must take the Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu

Select either:
   CHM 2045C Chemistry Fundamentals I 4 hrs
   - or
   CHM 2040 Chemistry Fundamentals IA and IB 6 hrs
   CHM 2041 Chemistry Fundamentals IB 3 hrs
   - and complete all the following
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   CHM 2210 Organic Chemistry I 3 hrs
   CHM 2211 Organic Chemistry II 3 hrs
   CHM 2211L Organic Laboratory Techniques I 2 hrs
   MAC 2311C Calculus with Analytic Geometry I GEP
   MAC 2312 Calculus with Analytic Geometry II 4 hrs
   PHY 2048C Physics for Engineers & Scientists I GEP
   PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (4 hrs)
   - All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   - Basic Core: Required, satisfies the CPP
   Select either:
   CHM 2045C Chemistry Fundamentals I CPP
   - or
   CHM 2040 Chemistry Fundamentals IA and CPP
   CHM 2041 Chemistry Fundamentals IB CPP
   - and complete all the following
   CHM 2046 Chemistry Fundamentals II and CPP
   CHM 2046L Chemistry Fundamentals Laboratory and CPP
   CHM 2210 Organic Chemistry I and CPP
   CHM 2211 Organic Chemistry II and CPP
   CHM 2211L Organic Laboratory Techniques I and CPP
   MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
   MAC 2312 Calculus with Analytic Geometry II and CPP
   PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
   PHY 2049C Physics for Engineers and Scientists II and CPP

Core: Additional requirements
   BSC 2010C Biology I GEP
   MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - and either:
   STA 1063C Basic Statistics Using Microsoft Excel or GEP
   STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (34 hrs)
   BCH 4053 Biochemistry I 3 hrs
   CHM 3120 Analytical Chemistry 3 hrs
   CHM 3120L Analytical Chemistry Laboratory 1 hr
   CHM 3121L Organic Laboratory Techniques II 2 hrs
   CHM 3410 Physical Chemistry I 4 hrs
   CHM 3411 Physical Chemistry II 3 hrs
   CHM 3411L Physical Chemistry Laboratory 2 hrs
   CHM 4510 Inorganic Chemistry 3 hrs
   CHM 4510L Inorganic Chemistry Laboratory 2 hrs
   CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
   CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
   CHM 4912 Directed Independent Research 4 hrs
   CHM 4930 Chemistry Seminar I 1 hr
   CHM 4931 Chemistry Seminar II 1 hr

5. Restricted Electives (6 hrs)
   Select from the following courses:
   BCH 4054 Biochemistry II 3 hrs
   CHM 4220 Organic Chemistry III 3 hrs
   CHM 5225 Advanced Organic Chemistry 3 hrs
   CHM 5235 Applied Molecular Spectroscopy 3 hrs
   CHM 5450 Polymer Chemistry 3 hrs
   CHM 5451C Techniques in Polymer Science 3 hrs
   CHM 5580 Advanced Physical Chemistry 3 hrs
   CHS 4615 Environmental Chemistry 3 hrs

Directed Electives 3 hrs
   - Course will be selected with the aid of a departmental advisor and approved in advance by the department chair.
   - Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation
   - None

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
   - Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
   - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
   - Grades earned in the following will not be applied in the determination of the Chemistry GPA:
     CHM 4912 Directed Independent Research 4 hrs
     CHM 4930 Chemistry Seminar I 1 hr
     CHM 4931 Chemistry Seminar II 1 hr

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
    - Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.

UNIVERSITY OF CENTRAL FLORIDA
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted. Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences
- Science Education - Chemistry
- Chemistry - Biochemistry Track

Certificates
- None

Related Minors
- Chemistry
- Biomedical Sciences
- Biology
- Physics

Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
- Lower division courses 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://utc.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- MAC 2311C: Calculus with Analytic Geometry I 4 hrs
- BSC 2010C: Biology I 4 hrs
- ENC 1101: Composition I 3 hrs

Freshman Year - Spring
- CHM 2046: Chemistry Fundamentals II 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- Lab may be taken in a later term if seats are not available.
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- ENC 1102: Composition II 3 hrs
- GEP 3 hrs

Sophomore Year - Fall
- CHM 2210: Organic Chemistry I 3 hrs
- PHY 2048C: Physics for Engineers & Scientists I 4 hrs
- MAC 2313: Calculus with Analytic Geometry III 4 hrs
- Statistics 3 hrs

Sophomore Year - Spring
- CHM 2211: Organic Chemistry II 3 hrs
- CHM 2211L: Organic Laboratory Techniques I 2 hrs
- Lab may be taken in a later term if seats are not available.
- PHY 2049C: Physics for Engineers and Scientists II 4 hrs
- GEP 3 hrs
- Free Elective 2 hrs

Junior Year - Fall
- BCH 4053: Biochemistry I 3 hrs
- CHM 3120: Analytical Chemistry 3 hrs
- CHM 3120L: Analytical Chemistry Laboratory 1 hr
- CHM 3215L: Organic Laboratory Techniques II 2 hrs
- CHM 3410: Physical Chemistry I 4 hrs
- GEP 3 hrs

Junior Year - Spring
- CHM 3411: Physical Chemistry II 3 hrs
- CHM 3411L: Physical Chemistry Laboratory 2 hrs
- CHM 4130: Advanced Analytical Laboratory Technique 3 hrs
- CHM 4610: Inorganic Chemistry 3 hrs
- CHM 4130L: Advanced Analytical Chemistry Laboratory 2 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- CHM 4610L: Inorganic Chemistry Laboratory 2 hrs
- CHM 4930: Chemistry Seminar I 1 hr
- CHM 4912: Directed Independent Research 2 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs

Senior Year - Spring
- CHM 4912: Directed Independent Research 2 hrs
- CHM 4931: Chemistry Seminar II 1 hr
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Chemistry - Biochemistry Track (B.S.)

College of Sciences

Department of Chemistry,
Physical Sciences Building, Room: 255
http://www.cos.ucf.edu/chemistry
Email: pedro.patino@ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor before registering.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level course taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
UCF Degree Programs

- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) are typically spread throughout the 120 hours.
- AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

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.

2. Communication Foundations (9 hrs)
   - Select from the following:
     - CHM 2045C Chemistry Fundamentals I and 4 hrs
     - CHM 2046 Chemistry Fundamentals II and 3 hrs
     - CHM 2046L Chemistry Fundamentals Laboratory and 2 hrs
     - CHM 2210 Organic Chemistry I and 3 hrs
     - CHM 2211 Organic Chemistry II and 3 hrs
     - CHM 2211L Organic Laboratory Techniques I and 2 hrs
     - MAC 2311C Calculus with Analytic Geometry I and 4 hrs
     - MAC 2312 Calculus with Analytic Geometry II and 4 hrs
     - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
     - PHY 2049C Physics for Engineers and Scientists II and 4 hrs

B: Cultural & Historical Foundations (9 hrs)
   - Required ENC 1101 Composition I and 3 hrs
   - Required ENC 1102 Composition II and 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication and 3 hrs

C: Mathematical Foundations (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I and 4 hrs
   - Prefer STA 2023 Statistical Methods I and 3 hrs

D: Social Foundations (6 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I and 4 hrs
   - Required BSC 2010C Biology I and 4 hrs

E: Science Foundations (8 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I and 4 hrs
   - Required BSC 2010C Biology I and 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
   - Select either:
     - CHM 2045C Chemistry Fundamentals I and 4 hrs
     - CHM 2046 Chemistry Fundamentals II and 3 hrs
     - CHM 2046L Chemistry Fundamentals Laboratory and 2 hrs
     - CHM 2210 Organic Chemistry I and 3 hrs
     - CHM 2211 Organic Chemistry II and 3 hrs
     - CHM 2211L Organic Laboratory Techniques I and 2 hrs
     - MAC 2311C Calculus with Analytic Geometry I and 4 hrs
     - MAC 2312 Calculus with Analytic Geometry II and 4 hrs
     - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
     - PHY 2049C Physics for Engineers and Scientists II and 4 hrs

3. Core Requirements: Basic Level (10 hrs)
   - All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

   Basic Core: Required, satisfies the CPP
   - Select either:
     - CHM 2045C Chemistry Fundamentals I and 4 hrs
     - CHM 2046 Chemistry Fundamentals II and 3 hrs
     - CHM 2046L Chemistry Fundamentals Laboratory and 2 hrs
     - CHM 2210 Organic Chemistry I and 3 hrs
     - CHM 2211 Organic Chemistry II and 3 hrs
     - CHM 2211L Organic Laboratory Techniques I and 2 hrs
     - MAC 2311C Calculus with Analytic Geometry I and 4 hrs
     - MAC 2312 Calculus with Analytic Geometry II and 4 hrs
     - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
     - PHY 2049C Physics for Engineers and Scientists II and 4 hrs

MAC 2312 Calculus with Analytic Geometry II and CPP
PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
PHY 2049C Physics for Engineers and Scientists II and CPP

Basic Core: Additional Requirements 10 hrs
   - Required Minors

BSC 2010C Biology I and GEP
CHM 3120 Analytical Chemistry and GEP
CHM 3120L Analytical Chemistry Laboratory and 1 hr
CHM 3215L Organic Laboratory Techniques I and 2 hrs
MAC 2313 Calculus with Analytic Geometry III and 4 hrs

- and either
  - STA 2023 Statistical Methods I or GEP
  - STA 1063C Basic Statistics Using Microsoft Excel and GEP

4. Core Requirements: Advanced Level (37 hrs)
   - Select from the following:
     - BCH 4053 Biochemistry I and 3 hrs
     - BCH 4054 Biochemistry II and 3 hrs
     - BCH 4103L Biochemical Methods and 2 hrs
     - CHM 3410 Physical Chemistry I and 4 hrs
     - CHM 3411 Physical Chemistry II and 3 hrs
     - CHM 3411L Physical Chemistry Laboratory and 2 hrs
     - CHM 4610 Inorganic Chemistry and 3 hrs
     - CHM 4912 Directed Independent Research and 4 hrs
     - CHM 4930 Chemistry Seminar I and 1 hr
     - CHM 4931 Chemistry Seminar II and 1 hr
     - MCB 3020C General Microbiology and 5 hrs
     - PCB 3023 Molecular Cell Biology and 3 hrs
     - PCB 3063 Genetics and 3 hrs

5. Restricted Electives (10 hrs)
   - Select from the following:
     - CHM 4130 Advanced Analytical Laboratory Technique and 3 hrs
     - CHM 4906 Directed Independent Study and 1 hr
     - CHM 5225 Advanced Organic Chemistry and 3 hrs
     - PCB 3522 Molecular Biology I and 3 hrs
     - Additional upper level courses as approved by a departmental advisor

   One of the following may be used as a
   Restricted Elective:
     - CHM 4220 Organic Chemistry III or 3 hrs
     - CHM 5225 Advanced Organic Chemistry and 3 hrs

   Additional physical, biological, and mathematical sciences courses.
     - In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
     - These courses should be at least at the 3000 level.

6. Capstone Requirements
     - None

7. Foreign Language Requirements
   - Admissions
     - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
   - Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
     - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
   - Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:
     - CHM 4912 Directed Independent Research and 4 hrs
     - CHM 4930 Chemistry Seminar I and 1 hr
     - CHM 4931 Chemistry Seminar II and 1 hr

10. Required Minors
     - None
### 11. Departmental Exit Requirements
- Students are required to take a nationally normed test in chemistry and biochemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.

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

### Total Semester Hours Required
- 120

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<th>Honors In Major</th>
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<tr>
<td>Related Programs</td>
<td>Biochemistry, Forensic Science - Analysis and Forensic Science - Biochemistry Track, Biomedical Sciences</td>
</tr>
<tr>
<td>Certificates</td>
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<td>Related Minors</td>
<td>Chemistry, Biology, Biomedical Sciences</td>
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</tbody>
</table>
| Transfer Notes   | Lower division courses do not substitute for upper division courses. Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information. Acceptable Substitutes for Transfer Courses: The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF: CHM 2045C: May use CHM X040C plus CHM X041C. Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken. Plan of Study: This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections. Prior to enrolling in Chemistry, take Chemistry Placement Test at http://chemplacement.sdes.ucf.edu/. Prior to enrolling in Math, take Math Placement Test at http://utc.sdes.ucf.edu/ Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt. Freshman Year - Fall: CHM 2045C Chemistry Fundamentals I 4 hrs MAC 2311C Calculus with Analytic Geometry I 4 hrs BSC 2010C Biology I 4 hrs ENC 1101 Composition I 3 hrs Freshman Year - Spring: CHM 2046 Chemistry Fundamentals II 3 hrs CHM 2046L Chemistry Fundamentals Laboratory 1 hr Lab may be taken in a later term if seats are not available. MAC 2312 Calculus with Analytic Geometry II 4 hrs ENC 1102 Composition II 3 hrs GEP 3 hrs GEP 3 hrs Sophomore Year - Fall: CHM 2210 Organic Chemistry I 3 hrs PHY 2048C Physics for Engineers & Scientists I 4 hrs MAC 2313 Calculus with Analytic Geometry III 4 hrs Statistics 3 hrs Sophomore Year - Spring: CHM 2211 Organic Chemistry II 3 hrs CHM 2211L Organic Laboratory Techniques I 2 hrs Lab may be taken in a later term if seats are not available. CHM 3120 Analytical Chemistry 3 hrs CHM 3120L Analytical Chemistry Laboratory 1 hr PHY 2049C Physics for Engineers and Scientists II 4 hrs PCB 3063 Genetics 3 hrs Junior Year - Fall: BCH 4053 Biochemistry I 3 hrs CHM 3215L Organic Laboratory Techniques II 2 hrs PCB 3023 Molecular Cell Biology 3 hrs GEP 3 hrs GEP 3 hrs Junior Year - Spring: BCH 4054 Biochemistry II 3 hrs BCH 4103L Biochemical Methods 2 hrs MCB 3020C General Microbiology 5 hrs GEP 3 hrs Senior Year - Fall: CHM 3410 Physical Chemistry I 4 hrs CHM 4912 Directed Independent Research 1 hr CHM 4930 Chemistry Seminar I 1 hr Restricted Elective 3 hrs Restricted Elective 4 hrs Restricted Elective 3 hrs Senior Year - Spring: CHM 4931 Chemistry Seminar II 1 hr CHM 3411 Physical Chemistry II 3 hrs CHM 3411L Physical Chemistry Laboratory 2 hrs CHM 4610 Inorganic Chemistry 3 hrs CHM 4912 Directed Independent Research 2 hrs GEP 4 hrs Program Academic Learning Compacts: Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecas.ucf.edu/alc/academic_learning_compacts.htm Equipment Fees: Part-Time Student: $45 per term Full-Time Student: $90 per term 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 Carole Ann Pohl, caroleann.pohl@ucf.edu Dr. F. Necati Catbas, necati.catbas@ucf.edu Phone: 407-823-2841 Admission Requirements: Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C or CHM 2040 AND CHM 2041. Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.
Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College Systems or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one class from Social Foundation Group 1 3 hrs
- Select one class from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.
- MAC 2311C Calculus with Analytic Geometry I GEP
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2048C Physics for Engineers & Scientists I GEP
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- Select one of the following sequences of courses:
  - Preferred course CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
  - First alternative: Select all of the following: CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - Second alternative: CHM 2045C Chemistry Fundamentals I 4 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

3. Core Requirements: Basic Level (2 hrs)

4. Core Requirements: Advanced Level (63 hrs)
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- CGN 3700C Civil Engineering Measurements 4 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CWR 3201E 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 4005 Steel Structures 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs

Select 3:
- Take 3 from the following:
  - CEG 4012 Geotechnical Engineering II or 3 hrs
  - CWR 4633C Water Resources Engineering II or 3 hrs
  - ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
  - TTE 4274 Transportation Engineering Systems 3 hrs

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives
- Some students may need to take technical electives to satisfy hour shortages because of transfer status.
- Technical electives are available in the BSCOE 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
  - CEG Geotechnical Engineering Design or 3 hrs
  - CES 4743C Structural Design or 3 hrs
  - CWR Water Resources Design or 3 hrs
  - ENV 4562C Environmental Engineering Water Treatment Design or 3 hrs
  - 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
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 128

### Honors In Major
- None

### Related Programs
- Construction Engineering
- Environmental Engineering

### Certificates
- None

### Related Minors
- Mathematics
- Engineering Leadership

### Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

### Transfer Notes
- Courses taken from Florida College System institutions 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 2311C Calculus with Analytic Geometry I 4 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 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 Ordinary Differential Equations I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- GEP 3 hrs

### Sophomore Year - Summer
- 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
- CEG 4011C Geotechnical Engineering I 3 hrs
- TTE 3810 Highway Engineering 3 hrs

### Junior Year - Spring
- GEP 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs
- CEG 4011C Geotechnical Engineering II or
- CWR 4632C Water Resources Engineering I 4 hrs
- TTE 4274 Transportation Engineering Systems or

### Senior Year - Fall
- CES 4605 Steel Structures 3 hrs
- ENV 4531 Environmental Engineering Operations & Processes I 3 hrs

### Discipline Depth
- 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 or 3 hrs

### Design Elective
- CEG 4801C Geotechnical Engineering Design or 3 hrs
- CES 4743C Structural Design or 3 hrs
- CWR 4812C Water Resources Design or 3 hrs
- ENV 4562C Environmental Engineering Water Treatment Design or 3 hrs
- TTE 4601C Urban Systems Design 3 hrs

### Senior Year - Spring
- CEG 4012 Geotechnical Engineering II or 3 hrs
- CWR 4633C Water Resources Engineering II 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/al/academic_learning_compacts.htm](http://www.oears.ucf.edu/al/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $33 per term
- Full-Time Student: $66 per term
## Communication Sciences and Disorders (B.A. / B.S.)

### College of Health and Public Affairs

**Department of Communication Sciences and Disorders, Health & Public Affairs II, Room: 101**


**Email:** csundergraduate@ucf.edu

Dr. Cecyle Carson, Undergraduate Program Coordinator

Phone: 407-823-4798

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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 should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in section 1 below may be taken at a Florida College System institution, and usually should be completed in the first 60 hours.
- 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)

**A: Communication Foundations**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**B: Cultural & Historical Foundations**

**C: Mathematical Foundations**

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

Suggested

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Explorations in Mathematics</td>
<td>3 hrs</td>
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**D: Social Foundations**

Suggested

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
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</table>

Select 1:

Suggested

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**E: Science Foundations**

Required

- PHY, PSC, or CHM course listed in GEP E.1
- Any BSC course listed in GEP E.2 or ANT 2511

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

<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>GEP</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>Biological Principles</td>
<td>GEP</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY, PSC or CHM</td>
<td>GEP</td>
<td></td>
</tr>
</tbody>
</table>

**3. Core Requirements: Basic Level**

- None

**4. Core Requirements: Advanced Level**

**Core Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 2004C</td>
<td>Developmental Psychology</td>
<td>2 hrs</td>
</tr>
<tr>
<td>SPA 3471</td>
<td>Communication Disorders in Literature and Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3101</td>
<td>Physiological Bases of Speech and Hearing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 3112</td>
<td>Basic Phonetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3112L</td>
<td>Basic Phonetics Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>SPA 3011</td>
<td>Speech Science I Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3011L</td>
<td>Speech Production lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>SPA 3104</td>
<td>Neural Bases of Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3123</td>
<td>Speech Science II: Perception</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3123L</td>
<td>Speech Perception Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>SPA 4476</td>
<td>Speech Disorders Across the Lifespan</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4032</td>
<td>Audiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4478</td>
<td>Multicultural Aspects of Communication Disorders &amp; Differences</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3713</td>
<td>Language Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4870C</td>
<td>Capstone Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4326</td>
<td>Hearing Disorders Across the Lifespan</td>
<td>3 hrs</td>
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</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EAB 3703C</td>
<td>Principles of Behavior Modification</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4601</td>
<td>Introduction to Behavior Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 3303</td>
<td>Learning Environments and Guidance for Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3472</td>
<td>Guidance of Young Children with Communication Disorders or Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450</td>
<td></td>
<td>3 hrs</td>
</tr>
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</table>

**Statistics Requirement**

- Students have two options for completing this requirement:

**Option 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I and GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4163</td>
<td>Statistical Methods II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Option 2:**

<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 and GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4803</td>
<td>Research Methods in Communication Sciences and Disorders</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

or

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I and GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4803</td>
<td>Research Methods in Communication Sciences and Disorders</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**5. Restricted Electives**

- An additional nine credit hours of upper division coursework in Communication Sciences and Disorders selected in consultation with an academic advisor.

**B.A./B.S. Option:**

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

**6. Capstone Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 4870C</td>
<td>Capstone Course</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**7. Foreign Language Requirements**

**Admissions**

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

**Graduation**

- None

**8. Electives**

- Students can choose 12 hours of electives. A minor or certificate is encouraged.

**9. Additional Requirements**

- None

- 10. Required Minors

- None
11. Departmental Exit Requirements
- Students must achieve a minimum grade of "C-" (1.75) in all prerequisite courses, core courses, restricted electives, and B.A./B.S. electives in the department.
- Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

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

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with the undergraduate program coordinator.

Related Programs
- Health Services Administration
- Psychology
- Social Work
- Exceptional Student Education
- Early Childhood Education
- Physical Therapy

Certificates
- None

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Human Communication
- Linguistics
- Psychology
- Spanish

Advising Notes
- Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master's degree in Communication Sciences and Disorders.

Transfer Notes
- "D" (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2045 or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
Freshman Year - Fall
- ENC 1102 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- Any BSC course or ANT XS11 3 hrs
- Free Electives 6 hrs

Select 1:
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- 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
- ENC 1102 Composition II 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

Select 1:
- PHY, PSC, or CHM Course 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- SPA 3471 Communication Disorders in Literature and Media 3 hrs

Select 1:
- MGF 1106 Finite Mathematics or 3 hrs
- MAC 1105C College Algebra 3 hrs

Sophomore Year - Spring
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- SPA 3112 Basic Phonetics 3 hrs
- SPA 3112L Basic Phonetics Lab 1 hr
- Foreign Language I (B.A.) or Health Sciences (B.S.) elective

Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I or 3 hrs

Sophomore Year - Summer
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- Foreign Language II (B.A.) or Health Sciences (B.S.) elective
- Free Elective 3 hrs

Junior Year - Fall
- SPA 3011 Speech Science I: Production 3 hrs
- SPA 3011L Speech Production Lab 1 hr
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- LIN 3713 Language Science 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- SPA 3123 Speech Science II: Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs
- SPA 3104 Neural Bases of Communication 3 hrs
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs
UCF Degree Programs

Senior Year - Fall
SPA 4032  Audiology  3 hrs
SPA 4400  Language Disorders Across the Life Span  3 hrs
SPA 4478  Multicultural Aspects of Communication Disorders & Differences  3 hrs
Select 1:  3 hrs
STA 4163  Statistical Methods II or  3 hrs
SPA 4803  Research Methods in Communication Sciences and Disorders  3 hrs

Senior Year - Spring
SPA 4326  Hearing Disorders Across the Lifespan  3 hrs
SPA 4870C  Capstone Course  3 hrs
Free Elective  3 hrs
Restricted Elective  3 hrs

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

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35 per term

Computer Engineering (B.S.P.E.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center, Room: 346
http://www.eecs.ucf.edu
Email: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- None

1. UCF General Education Program (GEP)  (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations  (9 hrs)
Required ENC 1101  Composition I  3 hrs
Required ENC 1102  Composition II  3 hrs
Select 1:  3 hrs
Suggested SPC 1603  Fundamentals of Technical Presentations or  3 hrs
Suggested SPC 1608  Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations  (9 hrs)
Select two courses from Historical Foundations  6 hrs
Select one course from Cultural Foundations  3 hrs

C: Mathematical Foundations  (7 hrs)
Required  MAC 2311C  Calculus with Analytic Geometry I  4 hrs
Required STA 3032  Probability and Statistics for Engineers  3 hrs

D: Social Foundations  (6 hrs)
Select 1:  3 hrs
Prefer ECO 2013  Principles of Macroeconomics or  3 hrs
Prefer ECO 2023  Principles of Microeconomics  3 hrs
Select one class from Social Foundations  3 hrs

E: Science Foundations  (7 hrs)
Required PHY 2048C  Physics for Engineers & Scientists I  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 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.

Select 1:  4 hrs
1 MAC 2311C  Calculus with Analytic Geometry I  GEP
2 MAC 2312  Calculus with Analytic Geometry II  4 hrs
3 MAC 2313  Calculus with Analytic Geometry III  4 hrs
4 MAP 2302  Ordinary Differential Equations I  3 hrs
5 PHY 2048C  Physics for Engineers & Scientists I  GEP
Select 1:  4 hrs
1 PHY 2048C  Physics for Engineers & Scientists II  4 hrs
2 CHS 1440  Fundamentals of Chemistry for Engineers or  4 hrs
3 CHM 2045C  Chemistry Fundamentals I  4 hrs
4 A “C” (2.0) or better is required in this course.
5 Preferred

3. Core Requirements: Basic Level  (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

EGN 1000C  Introduction to the Engineering Profession  1 hr
EGN 1007C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level  (57 hrs)

Engineering Core  6 hrs
EGN 3310  Engineering Analysis-Statics  3 hrs
STA 3032  Probability and Statistics for Engineers  3 hrs
Select 1:  3 hrs
EGN 3321  Engineering Analysis-Dynamics or  3 hrs
EGN 3358  Thermo-Fluids-Heat Transfer  3 hrs

Courses Required for the Major  48 hrs
COT 3100C  Introduction to Discrete Structures  3 hrs
COP 3502C  Computer Science I  3 hrs
COP 3503C  Computer Science II  3 hrs
COP 3330  Object Oriented Programming  3 hrs
COP 4331C  Processes for Object-Oriented Software Development  3 hrs
EEL 3004C  Electrical Networks  3 hrs
EEL 3123C  Networks and Systems  4 hrs
EEE 3307C  Electronics I  4 hrs
EEE 3342C  Digital Systems  3 hrs
EEL 3801C  Computer Organization  3 hrs
EEL 4742C  Embedded Systems  4 hrs
EEL 4768  Computer Architecture  3 hrs
EEL 4781  Computer Communication Networks  3 hrs
COP 4600  Operating Systems  3 hrs
EGN 3211  Engineering Analysis and Computation  3 hrs

5. Restricted Electives  (9 hrs)
- Technical electives are available in the BSCpE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.
6. Capstone Requirements (6 hrs)
   EEL 4914 Senior Design I 3 hrs
   EEL 4915L Senior Design II 3 hrs

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

9. Additional Requirements
   - Computer engineering students must earn at least 32 hours in residence at UCF.
   - 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the EECS Department at UCF and applicable to the degree program.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in 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, and nine hours of Summer credit.

13. Total Semester Hours Required
    - 129

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Information Technology
- Computer Science
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet regularly with an academic advisor in the major department.
- Students are assumed to have knowledge of a higher level 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 Florida College System Institutions 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 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP- Historical Foundation 3 hrs

Select 1
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Sophomore Year - Fall
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- EEL 4742C Embedded Systems 4 hrs
- GEP- Historical Foundation 3 hrs

Sophomore Year - Spring
- EGN 1102 Composition II 3 hrs
- ENC 1102 Composition II 3 hrs
- ENC 3100C Introduction to Discrete Structures 3 hrs

Sophomore Year - Summer
- EEL 4914 Senior Design I 3 hrs
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- GEP- Social Foundation 3 hrs

Junior Year - Fall
- COP 3502C Computer Science I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EEE 3307C Electronics I 4 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring
- COP 3503C Computer Science II 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- GEP- Social Foundation 3 hrs

Senior Year - Fall
- COP 3503C Computer Science II 3 hrs
- EEL 4768 Computer Architecture 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Restricted Elective 3 hrs

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

UNIVERSITY OF CENTRAL FLORIDA
Senior Year - Spring  
12 hrs
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: $30 per term
- Full-Time Student: $60 per term

Computer Science (B.S.)
College of Engineering and Computer Science  
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,  
Room: 346
http://www.eecs.ucf.edu  
Email: undergraduate@eecs.ucf.edu
Dr. Ali Orooji  
Julie Faris  
Phone: 407-823-3327

Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

Admission Requirements
- None

Degree Requirements
- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the Computer Science Division at UCF
- 18 of the 24 Residency hours must be at the 4000-5000 level
- Students must earn at least a 2.0 in each course

1. UCF General Education Program (GEP) (39 hrs)
A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs
D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
- Prefer BSC 2010C Biology I 4 hrs
- Prefer PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Common Program Prerequisites (CPP) (17 hrs)
- A “C” (2.0) or better is required in all courses in this area.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- COP 3223 Introduction to Programming with C 3 hrs
- MAC 2311C Calculus with Analytic Geometry I GEP
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I GEP
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 2: 6 hrs
- 4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.
- BSC 2010C Biology I or GEP
- BSC 211C Biology II or 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2046 Chemistry Fundamentals II or 3 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

3. Core Requirements: Basic Level (24 hrs)
- A “C” (2.0) or better is required in all courses in this area.
- STA 2023 Statistical Methods I GEP
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- CDA 3103 Computer Logic and Organization 3 hrs
- COT 3402 Operating Systems 3 hrs
- CIS 3360 Security in Computing 3 hrs
- COP 3402 Systems Software 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 3 hrs

4. Core Requirements: Advanced Level (21 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 3 hrs
- EEL 4768 Computer Architecture 3 hrs
- COP 4210 Discrete Structures II 3 hrs
- COP 4602 Programming Languages I 3 hrs
- COP 4600 Operating Systems 3 hrs
- COP 3934 Senior Design I 3 hrs
- COP 4935 Senior Design II 3 hrs

5. Restricted Electives (15 hrs)
- A “C” (2.0) or better is required in all courses in this area.
- 4000-5000 level Computer Science courses 9 hrs
- Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

Advanced mathematics or statistics 6 hrs
- Choose at least two courses from the following list of approved choices to satisfy this requirement:
- Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
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 (4 hrs)
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

Advising Notes
- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs
- Total Semester Hours Required 12 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- COP 3502C Computer Science I 3 hrs
- CDA 3103 Computer Logic and Organization 3 hrs
- COT 3960 CS Foundation Exam 0 hrs
- Total Semester Hours Required 13 hrs

Freshman Year - Summer
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- COP 3330 Object Oriented Programming 3 hrs
- Total Semester Hours Required 7 hrs

Sophomore Year - Fall
- COP 3402 Systems Software 3 hrs
- COP 3503C Computer Science II 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- GEP 3 hrs
- Total Semester Hours Required 14 hrs

Sophomore Year - Spring
- COP 4321C Processes for Object-Oriented Software Development 3 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
- Total Semester Hours Required 14 hrs

Sophomore Year - Summer
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs
- Total Semester Hours Required 6 hrs

Junior Year - Fall
- EEL 4768 Computer Architecture 3 hrs
- COP 4020 Programming Languages I 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs
- Total Semester Hours Required 14 hrs

Junior Year - Spring
- COP 4600 Operating Systems 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Math/Stat Restricted Elective 3 hrs
- CS Restricted Elective 3 hrs
- Total Semester Hours Required 13 hrs

Senior Year - Fall
- COP 4935 Senior Design I 3 hrs
- COP 4934 Senior Design II 3 hrs
- Multicultural Elective 3 hrs
- Total Semester Hours Required 12 hrs

Senior Year - Spring
- COP 4935 Senior Design II 3 hrs
- GEU 3 hrs
- Math/Stat Restricted Elective 3 hrs
- COP 4934 Senior Design I 3 hrs
- Total Semester Hours Required 15 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: $9 per term
- Full-Time Student: $18 per term

Construction Engineering (B.S.Con.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Amr A. Oloufa, amr.oulofa@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHM 2040 and CHM 2041.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University system should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs
### UCF Degree Programs

#### B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one course from Cultural Foundations 3 hrs

#### C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

#### D: Social Foundations (6 hrs)
- Select one 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. Note: MAC 2311C and PHY 2048/48L also satisfy UCF GEP.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Select one of the following sequences of courses:
- Preferred course CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
  - or - First alternative: Select both of the following: CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - or - Second alternative: CHM 2041 Chemistry Fundamentals IB 3 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-Statics 3 hrs
- 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 3301 Engineering Fluid Mechanics 3 hrs
- 1 CCE 4003 Introduction to the Construction Industry 3 hrs
- 1 CCE 4034 Construction Estimating and Scheduling 3 hrs
- 1 CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
- CCE 4402 Construction Equipment and Productivity 3 hrs
- 1 CCE 4004 Construction Methods 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CGN 3700C Civil Engineering Measurements 4 hrs
- CWR 4632C Water Resources Engineering I 4 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- 1 CES 4100C Structural Analysis I and Lab 4 hrs

Structural Depth 3 hrs
- CES 4605 Steel Structures 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs

### Additional Area Depth Sequence
- Geotechnical Engineering
  - CEG 4011C Geotechnical Engineering I and 4 hrs
  - CEG 4012 Geotechnical Engineering II 3 hrs
- or - Transportation Engineering
  - TTE 3810 Highway Engineering and 3 hrs
  - TTE 4274 Transportation Engineering Systems 3 hrs

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives (3 hrs)
- Technical electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Required Senior Design Courses
  - 1 CCE 4810C Construction Design Project 3 hrs
  - CGN 4808C CECE Capstone Design 3 hrs

1 A “C” (2.0) or better is required in this course.

7. Foreign Language Requirements

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

Graduation
- None

Electives
- None

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, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Civil Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership
- Business

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
### UCF Degree Programs

- **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 Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study** (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- 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 Ordinary Differential Equations I 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- GEP 3 hrs

#### Sophomore Year - Summer
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- EGN 3321 Engineering Analytical Dynamics 3 hrs

#### Junior Year - Fall
- CES 4100C Structural Analysis I and Lab 4 hrs
- GEP 3 hrs
- CCE 4034 Construction Estimating and Scheduling 3 hrs
- CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

#### Junior Year - Spring
- CCE 4004 Construction Methods 3 hrs
- CCE 4402 Construction Equipment and Productivity 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CGN 3700C Civil Engineering Measurements 4 hrs

#### Concrete or Steel
- CES 4605 Steel Structures or 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs

#### Senior Year - Fall
- CCE 4810C Construction Design Project 3 hrs
- CWR 4832C Water Resources Engineering I 4 hrs
- Approved Technical Elective 3 hrs

**Select 1:**
- CEG 4011C Geotechnical Engineering I or 4 hrs
- TTE 3810 Highway Engineering 3 hrs

#### Senior Year - Spring
- 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.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $33 per term
- Full-Time Student: $66 per term

**Criminal Justice (B.A. / B.S.)**

**College of Health and Public Affairs**

**Department of Criminal Justice, Health & Public Affairs I, Room: 311**


**Email:** cjadvise@mail.ucf.edu

Mary Ann Eastep
Phone: 407-823-2603

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University system.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A:** Communication Foundations (9 hrs)
   - **B:** Cultural & Historical Foundations (9 hrs)
   - **C:** Mathematical Foundations (6 hrs)
   - **Select 1:**
     - Suggested: CJS 1006C Introduction to Computers or 3 hrs
     - Suggested: STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
     - Suggested: STA 2014C Principles of Statistics 3 hrs
   - **Select 1:**
     - Suggested: MGF 1105 Finite Mathematics or 3 hrs
     - Suggested: MGF 1107 Explorations in Mathematics 3 hrs

2. **D:** Social Foundations (6 hrs)
3. **E:** Science Foundations (6 hrs)
4. **2. Common Program Prerequisites (CPP)**
   - None

5. **3. Core Requirements: Basic Level**
   - None

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4. Core Requirements: Advanced Level (21 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 3014 Crime in America 3 hrs
   - CJC 3510 Prosecution and Adjudication 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. Restricted Electives (39 hrs)
   - 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

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

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with a faculty advisor.

Related Programs
- Legal Studies

Certificates
- Crime Analysis and Crime Mapping
- Criminal Profiling
- Security Management

- Crime Scene Investigation
- Victim Advocacy

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- “D” (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- Select 1: 3 hrs
- MGF 1106 Finite Mathematics or 3 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
- 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

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- CGS 1000C Introduction to Computers 3 hrs
- Select 1: 3 hrs
- PSC 1121 Physical Science or 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- Select 1: 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs
- Select 1: 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Sophomore Year - Fall 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Free Elective 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
- Select 1: 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering or 3 hrs
- GLY 1030 Geology and its Applications or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- ANT 2511 The Human Species 3 hrs
- Select 1: 3 hrs
- POS 2041 American National Government or 3 hrs
- ECO 2013 Principles of Macrom Economics 3 hrs

Sophomore Year - Spring 15 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

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Criminal Justice Scholar’s Track (B.A. / B.S.)

College of Health and Public Affairs
Department of Criminal Justice,
Health & Public Affairs 1, Room 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@ucf.edu
Mary Ann Eastep, UG Program Coordinator
Phone: 407-823-2603

Admission Requirements
- An application is required. Minimum GPA of 3.0 for Admission.
- Applicant must declare this specific track.
- A grade of “B” (3.0) or better in ENC 1101 and ENC 1102 is required.
- Writing sample may be required if above requirement is not met.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

Select 1
- Suggested CGS 1060C Introduction to Computers or 3 hrs
- Suggested STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Suggested STA 2014C Principles of Statistics 3 hrs

2. Core Requirements: Basic Level
- None

3. Core Requirements: Advanced Level (33 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3010 Corrections and Penology 3 hrs
- CCJ 3510 Prosecution and Adjudication 3 hrs
- CJE 4014 Police and Society 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- CCJ 4746 Data Analysis for Criminal Justice 3 hrs

Scholar’s Seminar 12 hrs
- Students accepted into CJ Scholar’s Track will take CCJ 4934 four times with different topics for a total of 12 hours.
- CCJ 4934 Emergent Criminal Justice Issues 3 hrs

5. Restricted Electives (27 hrs)
- 15 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of Program standards must be met to be eligible for either internship or independent study credit.
- 12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but included selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester credit hours.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- Students pursuing a B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. Electives
- None

9. Additional Requirements
- Students whose GPA falls below 3.0 out of a possible 4.0 will not be permitted to continue in the track and will be transferred to the Criminal Justice BA/BS degree.

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

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

**Related Programs**
- Legal Studies
- Security Management
- Crime Scene Investigation
- Victim Advocacy

**Related Minors**
- Legal Studies
- Public Administration
- Psychology

**Advising Notes**
- Students are not accepted into Internship Program with grades less than a "C" in core courses.

**Transfer Notes**
- "D" (1.0) grades are not accepted.

**Acceptable Substitutes for Transfer Courses**
- None

### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- Select 1: MGF 1106 Finite Mathematics or MAC 1105C College Algebra 3 hrs
- Select 1: PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology 3 hrs
- Select 1: EIH 2000 Western Civilization I or HUM 2210 Humanistic Tradition I or AMH 2010 U.S. History: 1492-1877 3 hrs

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- Select 1: PSC 1121 Physical Science or CHM 1020 Concepts in Chemistry 3 hrs
- Select 1: PHI 2010 Introduction to Philosophy or MUL 2010 Enjoyment of Music 3 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 3 hrs

### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Free Elective 3 hrs
- Select 1: EIH 2001 Western Civilization II or HUM 2230 Humanistic Tradition II or AMH 2020 U.S. History: 1877-Present 3 hrs

### Sophomore Year - Spring
- 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 3 hrs

### Junior Year - Fall
- CJE 3010 Prosecution and Adjudication 3 hrs
- CJ 3014 Corrections and Penology 3 hrs
- CCJ 4934 Emergent Criminal Justice Issues 1 hr
- Supporting Elective 3 hrs
- CJC Elective 3 hrs

### Junior Year - Spring
- CJE 4014 Police and Society 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- CCJ 4934 Emergent Criminal Justice Issues 1 hr
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

### Senior Year - Fall
- CCJ 4934 Emergent Criminal Justice Issues 1 hr
- CCJ 4746 Data Analysis for Criminal Justice 3 hrs
- Supporting Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

### Senior Year - Spring
- Free Elective 3 hrs
- Restricted Elective or CCJ Internship 3 hrs

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

### Digital Media (B.A.)

**College of Arts and Humanities**

**School of Visual Arts and Design,**

**Visual Arts Building, Room: 117**


**Email:** svadadvising@ucf.edu

**Phone:** 407-823-2676

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations -Game Design and Web Design - lead to a Bachelor of Arts degree.

Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website [http://www.cstore.ucf.edu](http://www.cstore.ucf.edu) for the minimum hardware and software specifications.
1. UCF General Education Program (GEP) (37 hrs)
   A: Communication Foundations (9 hrs)
   Required ARH 2050 History of Western Art I 3 hrs
   Required ARH 2051 History of Western Art II 3 hrs
   Select one additional course from approved list 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   Required ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   DIG 2109C Digital Imaging Fundamentals 3 hrs
   DIG 2030C Digital Video Fundamentals 3 hrs
   DIG 2000 Introduction to Digital Media 3 hrs
   Required COP 2500C Concepts in Computer Science 4 hrs
   1 Required MAC 1105C College Algebra 3 hrs
   1 (May substitute more advanced version)
   C: Mathematical Foundations (7 hrs)
   Required COP 2500C Concepts in Computer Science 4 hrs
   Required MAC 1105C College Algebra 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
   ARH 2050 History of Western Art I GEP
   ARH 2051 History of Western Art II GEP
   ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   ART 2300C Drawing Fundamentals I 3 hrs
   COP 2500C Concepts in Computer Science GEP
   MAC 1105C College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)
   Admission to all courses after DIG 2000 is dependent on the student achieving at least a “B” (3.0) in DIG 2000.
   Digital Media Core: Basic
   DIG 2000 Introduction to Digital Media 3 hrs
   DIG 2030C Digital Video Fundamentals 3 hrs
   DIG 2109C Digital Imaging Fundamentals 3 hrs
   DIG 2500C Fundamentals of Interactive Design 3 hrs
   Digital Media Core: Advanced
   DIG 3024 Digital Cultures & Narrative 3 hrs
   DIG 3480C Computer as a Medium 3 hrs
   DIG 3525 Digital Media Production 3 hrs
   DIG 4780C Modeling for Realtime Systems 3 hrs
   Game Design
   DIG 4713 Game Design and 3 hrs
   Game Design: Basic Concentration 24 hrs
   COP 3223 Introduction to Programming with C and 3 hrs
   COP 3330 Object Oriented Programming and 3 hrs
   DIG 4630C Media Business Practices and 3 hrs
   DIG 4713 Game Design and 3 hrs
   DIG 4715C Game Production and 3 hrs
   DIG 4720C Casual Game Production and 3 hrs
   FIL 3720C Introduction to Animation and 3 hrs
   GRA 2151C Illustration 3 hrs
   Game Design: Restricted Electives 18 hrs
   Complete 18 hours of credits from the following areas:
   NOTE: DIG 4725C Must be taken at least two times. It is repeatable for credit.
   12 Additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level courses approved by the school.
   DIG 4725C Game Design Workshop 6 hrs

4. Core Requirements: Advanced Level (12 hrs)
   DIG 4104C Web Design Workshop 6 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 6 hrs

5. Restricted Electives
   None

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   Met by graduation requirement.

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

8. Electives
   Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    None

12. University Minimum Exit Requirements
    None

   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 39 hours of course work must be completed in residency at UCF.
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

   Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   120

Honors In Major
   None

Related Programs
   Art
   Computer Science
   English - Creative Writing
   English - Literature
   English - Technical Communication
   Film - Cinema Studies Track
   Music

Certificates
   None

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

Advising Notes
- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

Transfer Notes
- Grades less than 'C' (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- 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

Early Childhood Development and Education Track

1: Education: Pre-Kindergarten - Primary (PK-3) (B.S.)

College of Education and Human Performance
School of Teaching, Learning and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ece/
Email: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu
Phone: 407-823-4615

EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK

Early Childhood Development and Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL Endorsement and Reading Endorsement. Students in this track take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Pass all four parts of the General Knowledge Test.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

- Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites.
- FTCE General Knowledge Test (GKT)-passing scores on the GKT is required prior to admission to the major.
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- FTCE General Knowledge Test (GKT) - passing scores on the GKT is strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- 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.
   - Select 1: 3 hrs
   - Select 2: 3 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
- General Education Program elective from section B1: 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
- Select 2: 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs

E: Science Foundations (6 hrs)
- Select 1: 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 Prerequisites  
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs  
EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs  
Select 1: 3 hrs  
MAC 1105C College Algebra or 3 hrs  
MAE 2801 Elementary School Mathematics 4 hrs  
Select 1: 3 hrs  
ARE 2000 Early Childhood Art and Creativity or 3 hrs  
MUE 2211 Early Childhood Music and Movement 3 hrs  
Elective 3 hrs  
1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)  
All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.

Semester I 15 hrs  
1 Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to admission to the major.  
EEC 3700 Social and Emotional Development of Young Children 3 hrs  
EEC 4661 Early Childhood Education Theory and Practice 3 hrs  
RED 3310 Early Reading, Writing and Language Arts 3 hrs  
EEX 4751 Parent Involvement in Education 3 hrs  
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Semester II 15 hrs  
1 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 4804 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

Summer 6 hrs  
1 Passing score on the Subject Area Examination (Pre-kindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship.  
EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs  
RED 3012 Basic Foundations of Reading 3 hrs

Semester III 12 hrs  
1 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 Internship.  
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 4253C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs

Semester IV 12 hrs  
1 Satisfactory completion of Internship requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices.  
EEC 4943 Student Teaching 12 hrs

5. Restricted Electives  
None

6. Capstone Requirements  
None

7. Foreign Language Requirements  
Admissions  
State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation  
None

8. Electives  
None

9. Additional Requirements  
None

10. Required Minors  
None

11. Departmental Exit Requirements  
Achieve a minimum overall 2.75 GPA in all courses within the major.  
Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.  
Complete a TESOL notebook as required for ESOL Endorsement.  
Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites.

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

Total Semester Hours Required  
120

Honors In Major  
None

Related Programs  
None

Certificates  
None

Related Minors  
None

Advising Notes  
None

Transfer Notes  
None

Acceptable Substitutes for Transfer Courses  
None

Acceptable Substitutes for Transfer Courses

Related Programs

Certificates

Related Minors

Advising Notes

Transfer Notes

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
- EDP 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

**Freshman Year - Spring** 15 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- PSC 1121 Physical Science 3 hrs

**Select 1:** 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

**Freshman Year - Summer** 6 hrs
- POS 2041 American National Government 3 hrs

**Select 1:** 3 hrs
- ARE 2000 Early Childhood Art and Creativity or 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

**Sophomore Year - Fall** 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

**Select 1:** 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- ANT 2511 The Human Species 3 hrs

**Select 1:** 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- GEP B1 Elective (Prefer AMH 2010) 3 hrs

**Sophomore Year - Spring** 12 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- GEP B3 Elective (Prefer AMH 2020) 3 hrs
- Elective 3 hrs

1. Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.

**Sophomore Year - Summer**

- **Satisfaction of the GKT is required for admission to the program and thus must be completed prior to the Junior Year. Refer to [http://www.fldoe.org](http://www.fldoe.org) for test dates and sites.**

**Junior Year - Fall** 15 hrs
- Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE. Refer to [http://www.fldoe.org](http://www.fldoe.org) for test dates and sites.
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- Students in Schools 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
- EEX 3450 Young Children With Special Needs 3 hrs

**Junior Year - Summer** 6 hrs
- Please note: It is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE prior to entering the Senior Year, and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portion of the FTCE prior to entry into student teaching (EEC 4943 Internship).
- EEC 4303 Planning Creative Activities in Early Childhood 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

**Senior Year - Fall** 12 hrs
- MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
- SCE 4304 Teaching Science and Technology to Young Children 3 hrs
- RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
- EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs

**Senior Year - Spring** 12 hrs
- EEC 4893 Student Teaching 12 hrs

**Program Academic Learning Compacts**

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

### Early Childhood Development and Education Track

#### 2: Early Childhood Development (B.S.)

**College of Education and Human Performance**

**School of Teaching, Learning and Leadership, Education Complex, Room: 209**

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

**Email:** ece@ucf.edu

Dr. Judy Levin, 122L, Judith.Levin@ucf.edu, 407-823-4615

Phone: 407-823-4615

**EARLY CHILDHOOD DEVELOPMENT TRACK** Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete Child Development prerequisite courses with a minimum letter grade of “C” (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

**Degree Requirements**

- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
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 1603 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - General Education Program elective from section B2:
     - Prefer REL 2300 World Religions or 3 hrs
     - Prefer PHI 2100 Introduction to Philosophy or 3 hrs
     - Prefer LIT 2110 World Literature I or 3 hrs
     - Prefer LIT 2120 World Literature II 3 hrs
   - General Education Program elective from section B1 to meet Gordon Rule Requirement.
   - General Education Program elective: Prefer a second course from GEP section B1.

   C: Mathematical Foundations (6 hrs)
   - Select 1:
     - Prefer MGF 1106 Finite Mathematics or 3 hrs
     - Prefer MGF 1107 Explorations in Mathematics 3 hrs
   - Select 1:
     - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
     - Prefer STA 2014C Principles of Statistics 3 hrs

   D: Social Foundations (6 hrs)
   - Prefer PSY 2102 General Psychology 3 hrs
   - Prefer POS 2041 American National Government 3 hrs

   E: Science Foundations (6 hrs)
   - Prefer PSC 1121 Physical Science 3 hrs
   - Select 1:
     - 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.
   - EDP 2065 Introduction to Diversity for Educators 3 hrs
   - DEP 2004C Developmental Psychology 3 hrs

3. Core Requirements: Basic Level (15 hrs)
   - MUE 2211 Early Childhood Music and Movement 3 hrs
   - ARC 2000 Early Childhood Art and Creativity 3 hrs
   - SYG 2010 Social Problems 3 hrs
   - EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
   - Select 1:
     - EDF 2130 Child and Adolescent Development for Educators or 3 hrs
     - SOW 3104 Assessing I: Human Development 3 hrs

4. Core Requirements: Advanced Level (60 hrs)
   - All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Practicum: Early Childhood Development.
   - However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.

   Semester I (15 hrs)
   - EEC 3700 Social and Emotional Development of Young Children 3 hrs
   - EEC 4661 Early Childhood Education Theory and Practice 3 hrs
   - RED 3310 Early Reading, Writing and Language Arts 3 hrs
   - EEX 4751 Parent Involvement in Education 3 hrs
   - LIN 3713 Language Science 3 hrs

   Semester II (15 hrs)
   - EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
   - EEC 3613 Observation and Assessment of Young Children 3 hrs
   - EEC 4402 Cultural and Family Systems 3 hrs

   - LAE 3414 Literature for Children 3 hrs
   - EEC 3450 Young Children With Special Needs 3 hrs

   Semester III (6 hrs)
   - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
   - EEC 4528 Infant/Toddler Care and Education 3 hrs

   Semester IV (12 hrs)
   - PET 4050C Motor Development and Learning 3 hrs
   - EEC 4414 Parent-Child Relations 3 hrs

   Select Two Early Childhood Development Track Electives
   - Note: Students must consult with their advisor regarding approval for other elective options.
   - EEC 4268 Curriculum Activities in Early Childhood or 3 hrs
   - EEC 4524 Organization and Management in Early Childhood or 3 hrs
   - EXP 3604C Cognitive Psychology or 4 hrs
   - PEO 3041 Games Analysis or 3 hrs
   - PET 3820 Teaching Sports Skills I or 3 hrs
   - PET 4640 Adapted Physical Education 3 hrs
   - PET 4710 Methods for Physical Activity for Children and Adolescents or 3 hrs
   - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools or 3 hrs
   - SOW 4650 Child Abuse: Treatment and Prevention or 3 hrs
   - SOW 4664 Children’s Services or 3 hrs
   - EEC 4744 Child Life: Psychosocial Care of Children in Health Settings or 3 hrs
   - SOW 3104 Assessing I: Human Development 3 hrs

   Semester V (12 hrs)
   - EEC 4940 Practicum: Early Childhood Development 12 hrs

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve a minimum overall 2.75 GPA in all courses within the major.
    - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

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

Total Semester Hours Required
- 120

Honors In Major
- None
Early Childhood Development and Education Track 3: Early Childhood Careers (B.S.)

College of Education and Human Performance
School of Teaching, Learning and Leadership

Dr. Dierdre Englehart, Deirdre.Englehart@ucf.edu

TRACK 3: EARLY CHILDHOOD CAREERS is an A.S. to B.S. degree program that is available to Seminole State College (SSC) students who have earned an A.S. in Early Childhood. The Early Childhood Careers Track is offered only on the Lake Mary–Sanford UCF Campus. This track provides the opportunity for SSC students to continue their professional preparation by enrolling in Track 3: Early Childhood Careers. Track 3 is restricted to students meeting UCF and the Early Childhood Careers Track Admission Requirements. Students will take a variety of courses related to early childhood careers and the roles professionals serve in furthering quality early childhood programming. Students will be prepared to work with infants, children and families in diverse early childhood settings. The program will prepare students with a solid knowledge base in the overall development of children that meets the educational requirements for staff at Head Start and Early Learning Centers. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum. NOTE: The Track 3: Early Childhood Careers in the Early Childhood Development and Education B.S. degree program does not lead to teacher certification.

Admission Requirements
- Completion of the A.S. degree in Early Childhood Education at Seminole State College
- Have a minimum 2.50 overall GPA for admission to the program. A minimum GPA of 2.75 is required in the professional and overall GPA prior to admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.
- Complete Core Requirements: Basic Level with a minimum letter grade of "C" (2.0) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.

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

Undergraduate Catalog 2013-2014
UCF Degree Programs

Degree Requirements

- Students must seek advising with the Early Childhood Careers faculty at the Lake Mary-Sanford UCF Campus prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

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

- Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students are advised to take the preferred courses.
- 30 credit hours of the GEP must be completed prior to admission into Track 3: Early Childhood Careers.

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

B: Cultural & Historical Foundations (9 hrs)

General Education Program elective from section B2:
- 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.
- General Education Program elective: Prefer a second course from GEP section B1. 3 hrs

C: Mathematical Foundations (6 hrs)

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

Select 1:
- Prefer STA 2063C 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 1211 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)

- None

3. Core Requirements: Basic Level (18 hrs)

EDF 2085 Introduction to Diversity for Educators 3 hrs
MUE 2211 Early Childhood Music and Movement 3 hrs
ARE 2000 Early Childhood Art and Creativity 3 hrs
SYG 2010 Social Problems 3 hrs
EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

4. Core Requirements: Advanced Level (51 hrs)

- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) in each upper level major course in order to pass the course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

EEC 3700 Social and Emotional Development of Young Children 3 hrs
EEC 4661 Early Childhood Education Theory and Practice 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
PET 4050C Motor Development and Learning 3 hrs
EEC 3808 Early Childhood Children’s Literature 3 hrs
EEC 3450 Young Children With Special Needs 3 hrs
EEC 3613 Observation and Assessment of Young Children 3 hrs
EEC 4402 Cultural and Family Systems 3 hrs
EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
EEC 4528 Infant/Toddler Care and Education 3 hrs
EEC 4414 Parent-Child Relations 3 hrs
EEC 4211 Science and Math Learning for Young Children 3 hrs
EEC 4260 Early Childhood Program Evaluation 3 hrs
EEC 4314 Effective Practices for Guiding Young Children 3 hrs
EEC 4942 Practicum: Early Childhood Careers 9 hrs

Practicum Requirement Note: Students may have the option to substitute coursework for some portion of the Practicum requirement. The substitution(s) must be approved by the student’s Early Childhood Development and Education B.S. - Track 3: Early Childhood Careers Faculty Advisor.

5. Restricted Electives (9 hrs)

- Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.
- 3 semester hours of restricted elective credit must be 3000 level or higher and approved by program faculty advisor.

6. Capstone Requirements

- None

7. Foreign Language Requirements

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum GPA of 2.75 for all courses within the major.
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or higher in each upper level major course in order to meet program requirements.
- Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.
UCF Degree Programs

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement. The State University System requires that students complete two years of the same foreign language/ American Sign Language in high school, or two semesters (8-10 credit hours) of college level foreign language/ American Sign Language, or equivalent proficiency exam. Students admitted without meeting this requirement must meet it prior to graduation.

Transfer Notes
- Courses taken at Florida College System institutions may substitute for select courses in Core Requirements: Basic Level with the permission of the department.
- Restricted Electives: Electives must be selected with the approval of program faculty. Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.

Acceptable Substitutes for Transfer Courses
EEC 1000 substitutes for EDF 2130 or DEP 2004C

Plan of Study (60 hrs)
- Assuming general education and admission requirements for Track 3: Early Childhood Careers are complete
- Follow the recommended Plan of Study

Junior Year - Fall 15 hrs
EEC 3700 Social and Emotional Development of Young Children 3 hrs
EEC 4661 Early Childhood Education Theory and Practice 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
PET 4050C Motor Development and Learning 3 hrs
Restricted Elective with Advisor approval 3 hrs

Junior Year - Spring 15 hrs
EEC 3008 Early Childhood Children's Literature 3 hrs
EEC 3450 Young Children With Special Needs 3 hrs
EEC 3613 Observation and Assessment of Young Children 3 hrs
EEC 4402 Cultural and Family Systems 3 hrs
Restricted Elective with Advisor approval 3 hrs

Junior Year - Summer 6 hrs
EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
EEC 4528 Infant/Toddler Care and Education 3 hrs

Senior Year - Fall 12 hrs
EEC 4414 Parent-Child Relations 3 hrs
EEC 4211 Science and Math Learning for Young Children 3 hrs
EEC 4260 Early Childhood Program Evaluation 3 hrs
EEC 4314 Effective Practices for Guiding Young Children’s Behavior 3 hrs

Senior Year - Spring 12 hrs
Restricted Elective (3/4XXX level with Advisor approval) 3 hrs
EEC 4942 Practicum: Early Childhood Careers 9 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

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
Phone: 407-823-3266

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their personal interests and career goals. These courses can be coupled with a minor from many different Colleges to create a unique program for each student. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics. Not eligible for a double degree with the BSBA in Economics.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program Prerequisite courses are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Suggested ECO 1121 Principles of Microeconomics 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Suggested ECO 1121 Principles of Macroeconomics 3 hrs

C: Mathematical Foundations (6 hrs)
- Suggested STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
- Suggested ANT 2000 General Anthropology or PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

Select 2: 3 hrs
- Suggested ECO 2023 Principles of Microeconomics 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
1. General Education Program (GEP) (18 hrs)

   - All B.A. Economics majors will be required to take a minimum of nine (9) electives by choosing from the following:

   - ECO 2013 Principles of Macroeconomics
   - ECO 2023 Principles of Microeconomics
   - ECO 3103 Intermediate Microeconomics
   - ECO 3203 Intermediate Macroeconomics
   - ECO 3412 Econometrics
   - ECO 4412 Econometrics
   - ECO 4504 Public Economics
   - ECO 4713 International Macroeconomics
   - ECO 4751 Law and Economics
   - ECO 4934 Topics in Econometrics
   - ECP 3004 Seminar on Current Economic Topics
   - ECP 3203 Labor Economics
   - ECP 4303 Environmental and Natural Resource Economics
   - ECP 4403 Industrial Organization and Game Theory
   - ECS 4013 Development Economics
   - ECP 4530 Health Economics

2. Common Program Prerequisites (CPP) (3 hrs)

   - Acceptable Substitutes for Transfer Courses
   - Only grades of "C" (2.0) or better transfer into the common program prerequisites class.
   - 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.
   - None

3. Core Requirements: Basic Level

   - None

4. Core Requirements: Advanced Level (12 hrs)

   - Select one of the following sequences of courses:
     - ECO 3401 Quantitative Business Tools I 3 hrs
     -or-
     - MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs
     - Students must receive a "C" (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401

   - Select one of the following sequences of courses:
     - ECO 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 (27 hrs)

   - All B.A. Economics majors will be required to take at least nine (9) electives by choosing from the following:

   - ECO 3223 Money and Banking 3 hrs
   - ECO 3410 Mathematical Economics 3 hrs
   - ECO 3703 International Microeconomics 3 hrs
   - ECO 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
   - ECO 4934 Topics in Econometrics 3 hrs
   - ECP 3004 Seminar on Current Economic Topics 3 hrs
   - ECP 3203 Labor Economics 3 hrs
   - ECP 4303 Environmental and Natural Resource Economics 3 hrs
   - ECP 4403 Industrial Organization and Game Theory 3 hrs
   - ECS 4013 Development Economics 3 hrs
   - ECP 4530 Health 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 4412 Econometrics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs
- ECO 4934 Topics in Econometrics 3 hrs

6. Capstone Requirements (1 hr)

   - ECO 4902 Capstone in Economics 1 hr

7. Foreign Language Requirements

   Admissions

   - Students majoring in Economics must earn a grade of "C" (2.0) or better in each ECO, ECP, and ECS course.

   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.

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 majoring in Economics must earn a grade of "C" (2.0) or better in each ECO, ECP, and ECS course.

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Economics, Business

Certificates

- None

Related Minors

- Computer Science
- Legal Studies
- Mathematics
- Political Science
- Psychology
- Sociology
- Statistics

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit.
- The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Only grades of "C" (2.0) or better transfer into the program and students must have a "C" or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

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
- Free Elective 3 hrs
- Cultural History 3 hrs

Freshman Year - Spring 15 hrs

- 1 ECO 2023 Principles of Microeconomics 3 hrs
- 1 ENC 1102 Composition II 3 hrs
- 1 STA 2023 Statistical Methods I 3 hrs
- Cultural History 2 3 hrs
- Art, Music, or Lit 3 hrs

- 1 "C" (2.0) or better grade required in each class

Sophomore Year - Fall 16 hrs

- 1 ECO 3223 Money and Banking 3 hrs
- 1 ECO 3401 Quantitative Business Tools I 3 hrs
- Foreign Language 4 hrs
- Science Elective 3 hrs
- Free Elective 3 hrs

- 1 "C" (2.0) or better grade required in each class
- 2 (if no prior Calculus)
UCF Degree Programs

### Business Administration Major or a BA in Economics

#### Degree Requirements

- **Junior Year - Fall**
  - ECO 3203 Intermediate Macroeconomics 3 hrs
  - 1 ECO 3411 Quantitative Business Tools II 4 hrs
  - ECO Elective 3 hrs
  - Free Elective 3 hrs
  - Free Elective 3 hrs

1. (or STA 4163 or STA 4432L)

#### Junior Year - Spring

- ECO Elective 3 hrs
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

#### Senior Year - Fall

- ECO Elective 3 hrs
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

#### Senior Year - Spring

- ECO Elective 3 hrs
- ECO Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- ECO 4902 Capstone in Economics 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](http://www.oecs.ucf.edu/alc/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, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405

David Scrogin, BA2 302U, 407-823-4129

Nora Underwood, BA2 302N, 407-823-1403

Phone: 407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.

#### Admission Requirements

- See Common Program Prerequisites
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.

#### Degree Requirements

- Not eligible for a double degree with another College of Business Administration major or a BA in Economics
- Students in the Business Economics major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Economics courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Economics courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Economics courses in the subsequent term, that student will be dropped as a Business Economics major.
- A student who is dropped may seek re-admittance as a Business Economics major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Economics GPA of 2.0 or higher. Readmission is not automatic.

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

   #### A: Communication Foundations
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   #### B: Cultural & Historical Foundations
   - Required CGS 2100C Computer Fundamentals for Business 3 hrs

   #### C: Mathematical Foundations
   - Required ECO 2013 Principles of Microeconomics 3 hrs

   Select 1:
   - Suggested ECO 2023 Principles of Microeconomics 3 hrs

   Select 2:
   - Suggested ANT 2001 General Anthropology 3 hrs
   - Suggested PSY 2078 General Psychology 3 hrs
   - Suggested SYG 2000 Introduction to Sociology 3 hrs

2. **Social Foundations** (6 hrs)

3. **Common Program Prerequisites (CPP)** (21 hrs)

   #### A: Communication Foundations
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   #### B: Cultural & Historical Foundations
   - Required CGS 2100C Computer Fundamentals for Business 3 hrs

   Select 1:
   - Suggested ECO 2013 Principles of Microeconomics 3 hrs

   Select 2:
   - Suggested ANT 2001 General Anthropology 3 hrs
   - Suggested PSY 2078 General Psychology 3 hrs
   - Suggested SYG 2000 Introduction to Sociology 3 hrs

4. **Core Requirements: Advanced Level** (38 hrs)

   - BUL 3130 Legal and Ethical Environment of Business 4 hrs
   - ECO 3411 Quantitative Business Tools II 4 hrs
   - FIN 3403C Business Finance 4 hrs
   - 1 GEB 3031 Cornerstone: Professional Skills for Business 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 3023 Supply Chain and Operations Management 4 hrs

5. **Required Major Courses** (6 hrs)

   - ECO 3101 Intermediate Microeconomics 3 hrs
   - ECO 3203 Intermediate Macroeconomics 3 hrs

---

1. Must be taken in 1st or 2nd semester.
2. Must be completed with a “C” (2.0) or better.
3. See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
4. Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401.
5. Restricted Electives (18 hrs)
   - All B.S.B.A. economics majors will be required to take six (6) electives by choosing from the following:
     - ECO 3223 Money and Banking 3 hrs
     - ECO 3410 Mathematical Economics 3 hrs
     - ECO 3703 International Microeconomics 3 hrs
     - ECO 4303 History of Economic Thought 3 hrs
     - ECO 4412 Econometrics 3 hrs
     - ECO 4504 Public Economics 3 hrs
     - ECO 4713 International Macroeconomics 3 hrs
     - ECO 4751 Law and Economics 3 hrs
     - ECP 3004 Seminar on Current Economic Topics 3 hrs
     - ECP 3203 Labor Economics 3 hrs
     - ECP 4303 Environmental and Natural Resource Economics 3 hrs
     - ECP 4403 Industrial Organization and Game Theory 3 hrs
     - ECS 4013 Development Economics 3 hrs
     - ECO 4934 Topics in Econometrics 3 hrs
     - ECS 4530 Health Economics 3 hrs

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
- ECO 3410 Mathematical Economics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs
- ECO 4934 Topics in Econometrics 3 hrs

6. Capstone Requirements (5 hrs)
   - ECO 4902 Capstone in Economics 1 hr
   - MAN 4720 Strategic Management 4 hrs

1 This course is taken in the graduating term and requires the following prerequisites: FIN 3403C, GEB 3031, GEB 3031L, MAN 3025, MAR 3023

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

9. Additional Requirements
   - Special College and/or Departmental Requirements
   - Must complete all Gordon Rule requirements prior to admission to this degree.
   - Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
   - Final exams will be given during Exam Week.
   - Students must have at least a 2.0 GPA in the COB and major.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - Students majoring in Business Economics must earn a grade of "C" (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

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

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
- ECO 3410 Mathematical Economics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs
- ECO 4934 Topics in Econometrics 3 hrs

6. Capstone Requirements (5 hrs)
   - ECO 4902 Capstone in Economics 1 hr
   - MAN 4720 Strategic Management 4 hrs

1 This course is taken in the graduating term and requires the following prerequisites: FIN 3403C, GEB 3031, GEB 3031L, MAN 3025, MAR 3023

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

9. Additional Requirements
   - Special College and/or Departmental Requirements
   - Must complete all Gordon Rule requirements prior to admission to this degree.
   - Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
   - Final exams will be given during Exam Week.
   - Students must have at least a 2.0 GPA in the COB and major.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - Students majoring in Business Economics must earn a grade of "C" (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

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

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Economics
- Certificates
- None

Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

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

Acceptable Substitutes for Transfer Courses
- ACG 2021- Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study
- Business Economics

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1508 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cultural History 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- "C" (2.0) or better grade required in each class

Freshman Year - Spring
- ECO 2023 Principles of Microeconomics 3 hrs
- ENC 1102 Composition II 3 hrs
- GCS 200C Computer Fundamentals for Business 3 hrs
- Cultural History 3 hrs
- Art, Music, or Literature 3 hrs
- "C" (2.0) or better grade required in each class

Sophomore Year - Fall
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Free Elective 3 hrs
- Science 3 hrs
- "C" (2.0) or better grade required in each class
- (if no Calculus & Statistics) "C" (2.0) or better grade required in each class
### Electrical Engineering (B.S.E.E.)

**College of Engineering and Computer Science**  
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,  
Room: 346  
[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

**Email:** undergraduate@eecs.ucf.edu  
Charlese Hilton-Brown  
Phone: 407-823-3327

**Admission Requirements**

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C.

- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

**Degree Requirements**

- None

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

The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101 Intermediate Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>¹ ACG 2071 Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY/ANT/SOC</td>
<td>3 hrs</td>
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</tbody>
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¹ "C" (2.0) or better grade required in each class

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3203 Intermediate Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEB 3051 Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 3031L Cornerstone Lab: Professional Skills for Business</td>
<td>1 hr</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3375 Introduction to International Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FIN 3403C Business Finance</td>
<td>4 hrs</td>
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<tr>
<td>Economics Elective</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3203 Supply Chain and Operations Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Economics Elective</td>
<td>3 hrs</td>
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<tr>
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<td>3 hrs</td>
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<tr>
<td>Economics Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4720 Strategic Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BUL 3130 Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ECO 4902 Capstone in Economics</td>
<td>1 hr</td>
</tr>
<tr>
<td>Economics Elective</td>
<td>3 hrs</td>
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</tr>
</tbody>
</table>

**A: Communication Foundations (9 hrs)**

Required  ENC 1101 Composition I 3 hrs  
Required  ENC 1102 Composition II 3 hrs  

**Select 1:**  
 Prefer  SPC 1603C Fundamentals of Technical Presentation or 3 hrs  
 Suggested  SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**  
Select two courses from Historical Foundations 6 hrs  
Select one course from Cultural Foundations 3 hrs

**C: Mathematical Foundations (7 hrs)**

Required  MAC 2311C Calculus with Analytic Geometry I 4 hrs  
Required  STA 3032 Probability and Statistics for Engineers 3 hrs

**D: Social Foundations (6 hrs)**  
Select 1:  
 Prefer  ECO 2023 Principles of Microeconomics or 3 hrs  
 Prefer  ECO 2013 Principles of Macroeconomics 3 hrs  
 Select one course from Social Foundations 3 hrs

**E: Science Foundations (7 hrs)**

Required  PHY 2048C Physics for Engineers & Scientists I 4 hrs  
Select one course from Science Foundations 3 hrs

**2. Common Program Prerequisites (CPP) (19 hrs)**

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

  1. MAC 2311C Calculus with Analytic Geometry I GEP  
  2. MAC 2312 Calculus with Analytic Geometry II 4 hrs  
  3. MAC 2313 Calculus with Analytic Geometry III 4 hrs  
  4. PHY 2048C Physics for Engineers & Scientists I GEP  
  5. PHY 2049C Physics for Engineers and Scientists II 4 hrs  
  6. MAP 2302 Ordinary Differential Equations I 3 hrs

**Select 1:**  
 Prefer  ECO 2071 Principles of Managerial Accounting or 3 hrs  
 Prefer  ENC 1101 Composition I 3 hrs  
 Prefer  ENC 1102 Composition II 3 hrs  

A "C" (2.0) or better is required in this course.  
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.

**4. Core Requirements: Advanced Level (53 hrs)**

**Courses Required for the Engineering Core (9 hrs)**

| EGN 3310 Engineering Analysis-Statics | 3 hrs |
| EGA 2001 Introduction to Engineering Graphics | 1 hr |
| EGA 2002 Engineering Concepts and Methods | 1 hr |

**Select 1:**  
 EGN 3311 Engineering Analysis-Statics 3 hrs  
 EGA 2001 Introduction to Engineering Graphics 3 hrs  
 EGA 2002 Engineering Concepts and Methods 3 hrs  

**Courses Required for the Major (44 hrs)**

| EEL 3040C Electrical Networks | 3 hrs |
| EEL 3123C Networks and Systems | 4 hrs |
| EEE 3350 Semiconductor Devices I | 3 hrs |
| EEE 3307C Electronics I | 4 hrs |
| EEE 3342C Digital Systems | 3 hrs |
| EEL 3470 Electromagnetic Fields | 3 hrs |
EEL 3552C  Analog and Digital Communication  4 hrs
EEL 3657  Linear Control Systems  3 hrs
EEL 3801C  Computer Organization  3 hrs
EEE 4309C  Electronics II  4 hrs
EEL 4750  Digital Signal Processing Fundamentals  3 hrs
EEL 4742C  Embedded Systems  4 hrs
EGN 3211  Engineering Analysis and Computation  3 hrs

5. Restricted Electives (10 hrs)
- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives 10 hrs
- Technical elective courses are to be selected by the student from department approved courses.

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.
- 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the EECS Department at UCF and applicable to the degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

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

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Computer 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 Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 15 hrs
- EGN 1006C  Introduction to the Engineering Profession  1 hr
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs
- GEP- Historical Foundation  3 hrs

Select 1
- SPC 1603C  Fundamentals of Technical Presentations  3 hrs
- ECO 2013  Principles of Macroeconomics  3 hrs
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs
- ENC 1101  Introduction to the Engineering Profession  1 hr

Select 1:
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- MAC 2313  Calculus with Analytic Geometry III  4 hrs
- GEP- Interdisciplinary Foundation  3 hrs

Sophomore Year - Fall 14 hrs
- ENC 1102  Composition II  3 hrs
- PHY 2049C  Physics for Engineers & Scientists I  4 hrs
- EEL 3310  Engineering Analysis-Statics  3 hrs
- MAC 2313  Calculus with Analytic Geometry III  4 hrs

Sophomore Year - Spring 15 hrs
- PHY 2048C  Physics for Engineers & Scientists II  4 hrs
- ENC 1101  Composition I  3 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs

Sophomore Year - Summer 10 hrs
- EGN 3211  Engineering Analysis and Computation  3 hrs
- EEI 3230C  Networks and Systems  4 hrs
- GEP- Social Foundation  3 hrs

Junior Year - Fall 13 hrs
- EEL 3350  Semiconductor Devices I  3 hrs
- EEL 3552C  Analog and Digital Communication  4 hrs

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Junior Year - Spring 17 hrs
EEE 3307C Electronics I 4 hrs
EEL 3657 Linear Control Systems 3 hrs
EEL 4742C Embedded Systems 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs
Select 1: 3 hrs
EGN 3321 Engineering Analysis-Dynamics or 2 hrs
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
Senior Year - Fall 16 hrs
EEL 4750 Digital Signal Processing Fundamentals 3 hrs
EEL 3470 Electromagnetic Fields 3 hrs
EEL 4914 Senior Design I 3 hrs
Approved Technical Elective 4 hrs
GEP-Historical Foundation 3 hrs
Senior Year - Spring 13 hrs
EEL 4915 Senior Design II 3 hrs
EEL 4309C Electronics II 4 hrs
Approved Technical Elective 3 hrs
Approved Technical Elective 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

Elementary Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Complex, Room: 209
http://education.ucf.edu/elemented/
Dr. Kari Williams, Kari.Williams@ucf.edu
Dr. Robert Everett, ED 122R, Robert.Everett@ucf.edu, 407-823-5788

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

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

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

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

B: Cultural & Historical Foundations (9 hrs)
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1: 3 hrs
Prefer ARH 2050 History of Western Art I or 3 hrs
Prefer ARH 2051 History of Western Art II or 3 hrs
Prefer MUL 2010 Enjoyment of Music 3 hrs

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
Suggested MAC 1105C College Algebra or 3 hrs
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs

Select 1: 3 hrs
Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Prefer 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
3 PET 2081 Wellness, Children and Schools 1 hr

1. Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
2. MAC 1105 or MGF 1106 is a prerequisite for MAE 2801.
3. Courses taken at a Florida College System institution may substitute for select courses in Other Program Requirements with the permission of the department.

Lower Division Electives 7 hrs
- Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 (if not taken for the General Education Program) * One associated science lab (BSC 1005L or PSC 1121L) * A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

4. Core Requirements: Advanced Level (60 hrs)
- The following recommended sequence of required upper division courses may vary at regional campus locations.

Semester I 15 hrs
1 EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
LAE 3414 Literature for Children 3 hrs
1 RED 3012 Basic Foundations of Reading 3 hrs
3 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

1 Required prior to Internship I
Semester II 15 hrs
1 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
Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801

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.

1. Theory and Assessment and TSL 4080 Theory and Practice Strategies and Classroom Management, EDF 4467 Learning (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Theory and Assessment and TSL 4080 Theory and Practice Strategies and Classroom Management, EDF 4467 Learning

2. 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 Theory and Assessment and TSL 4080 Theory and Practice Strategies and Classroom Management, EDF 4467 Learning

3. Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801

4. RED 4942 Practicum for Assessment and Instruction of Reading MAE 4326 How Children Learn Mathematics 3 hrs

5. 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 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 Theory and Assessment and TSL 4080 Theory and Practice Strategies and Classroom Management, EDF 4467 Learning

6. Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801

7. 3 hrs

Semester III (Internship I Block) 12 hrs

Semester IV (Internship II) 12 hrs

Plan of Study

1. This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

2. Freshman Year - Fall

- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- MAC 1105C College Algebra 3 hrs

3. Freshman Year - Spring

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PST 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr

4. Freshman Year - Summer

- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs

5. Sophomore Year - Fall

- 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 1508 Fundamentals of Oral Communication 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs

1. Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
### UCF Degree Programs

#### 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
- **PET 2081** Wellness, Children and Schools 1 hr

1. Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

#### Junior Year - Fall 15 hrs
- **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
- **EDF 4467** Learning Theory and Assessment 3 hrs
- **LAE 3414** Literature for Children 3 hrs
- **RED 3012** Basic Foundations of Reading 3 hrs
- **TSL 4080** Theory and Practice of Teaching ESOL Students in Schools 3 hrs

#### Senior 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
- **EXE 4070** Teaching Exceptional Students 3 hrs

#### Senior 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 3 hrs
- **EDE 3942** Internship I 3 hrs
- **EDE 4223** Integrated Arts and Movement in the Elementary School 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: $6 per term
- Full-Time Student: $12 per term

### English - Creative Writing (B.A.)

#### College of Arts and Humanities

#### Department of English, Colbourn Hall, Room: 405
[http://english.ucf.edu](http://english.ucf.edu)

#### Email: english@ucf.edu

Dr. Patrick Murphy

Phone: 407-823-5596

### Admission Requirements
- none

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students must earn at least a “C” (2.0) in each required course
- Co-op or internship credit cannot be used in the major without prior approval from the department
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

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

#### B: Cultural & Historical Foundations
- Prefer **LIT 2110** World Literature I 3 hrs
- Prefer **LIT 2120** World Literature II 3 hrs
- Select one class from 1.B.1 list 3 hrs

#### C: Mathematical Foundations
- **Math:**
  - Suggested **MGF 1106** Finite Mathematics or 3 hrs
  - Suggested **MGF 1107** Explorations in Mathematics or 3 hrs
  - You may substitute a higher level math with appropriate scores on the Math Placement Exam

#### Statistics - Computers
- Select a course from GEP C.2 list 3 hrs

#### D: Social Foundations

#### E: Science Foundations

#### 2. Common Program Prerequisites (CPP) (6 hrs)
- **1 ENC 1101** Composition I GEP
- **ENC 1102** Composition II GEP

1. See Transfer Notes for possible substitutions. See “Common Prerequisites” in the Transfer and Transition Services section for more information.

#### 3. Core Requirements: Basic Level (9 hrs)
- **CRW 3013** Creative Writing for English Majors 3 hrs
- **1 ENG 3014** Theories and Techniques of Literature Study
- **CRW 3053** Theory & Practice of Creative Writing 3 hrs

1. This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

#### 4. Core Requirements: Advanced Level (12 hrs)

1. **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](image)

1. Select 1: 3 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
   - **ENL 4311** Chaucer or 3 hrs
   - **ENL 4333** Shakespeare Studies or 3 hrs
   - **ENL 4341** Milton and His Age or 3 hrs
   - **AML 3286** Early American Women’s Words or 3 hrs
   - **AML 3640** Native American Literature or 3 hrs
   - **LIT 4374** Literature of the Bible or 3 hrs
   - **ENL 3296** Gothic Literature or 3 hrs

#### Select at least one of these post-1865 literature courses.
- Select 1: 3 hrs
  - Each semester, additional courses may satisfy this requirement. Check with an advisor for details.

![Select 1](image)

1. Select 1: 3 hrs
   - **A** American Literature II or 3 hrs
   - **AML 3283** Contemporary American Women’s Fiction or 3 hrs
   - **A** 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
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
      - CRW 3013 Creative Writing for English Majors 3 hrs
      - CRW 3053 Theory & Practice of Creative Writing 3 hrs
      - CRW 3220 Advanced Poetry Writing Workshop 3 hrs
      - CRW 3210 Poetry Writing Workshop 3 hrs
      - CRW 3610 Writing Scripts 3 hrs

   b. Choose two of the following: 6 hrs
      Select 2: 6 hrs
      - CRW 4122 Advanced Fiction Writing Workshop 3 hrs
      - CRW 4224 Advanced Nonfiction Writing Workshop 3 hrs
      - CRW 4320 Advanced Poetry Writing Workshop 3 hrs
      - CRW 4616 Advanced Scriptwriting Workshop 3 hrs

   c. Choose one of the following: 3 hrs
      - CRW 3310 Poetry Writing Workshop 3 hrs
      - CRW 3311 Structure of Verse 3 hrs
      - CRW 3540 Literary Magazines 3 hrs
      - CRW 3610 Writing Scripts 3 hrs
      - CRW 4114 History of Prose Style 3 hrs
      - CRW 4122 Advanced Fiction Writing Workshop 3 hrs
      - CRW 4124 Advanced Fiction Workshop 3 hrs
      - CRW 4320 Advanced Poetry Writing Workshop 3 hrs
      - CRW 4616 Advanced Scriptwriting Workshop 3 hrs

   1 May take ENC 4380 Nature Writing instead of CRW 4224 but not both.

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement

   Graduation
   - Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.

   Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

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

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Maintain a minimum GPA of 2.0 in upper division required courses
    - Computer Competency met by completion of CRW 3013

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.

   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   Total Semester Hours Required
   - 120

   Honors In Major (9 hrs)
   - Application and admission through the English Honors Committee and the Honors College.
   - Fulfill University requirements for Honors in the Major.
   - Grade of "B" (3.0) or better in an English graduate or undergraduate course or in a graduate or undergraduate course outside the major that relates to thesis with approval (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
   - Successful completion and oral defense of Honors thesis.

   Related Programs
   - English - Technical Communication
   - English - Literature
   - Certificates
   - None

   Related Minors
   - Linguistics
   - English - Technical Communication
   - Writing and Rhetoric
   - English - Literature

   Advising Notes
   - None

   Transfer Notes
   - Lower division courses do not substitute for upper division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

   Acceptable Substitutes for Transfer Courses
   - None

   Plan of Study
   - One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

   Freshman Year - Fall 15 hrs
   - ENC 1101 Composition I 3 hrs
   - HUM 2210 Humanistic Tradition I 3 hrs
   - MGF 1106 Finite Mathematics 3 hrs
   - POS 2041 American National Government 3 hrs
   - SPC 1608 Fundamentals of Oral Communication 3 hrs

   Freshman Year - Spring 15 hrs
   - ENC 1102 Composition II 3 hrs
   - CHM 1020 Concepts in Chemistry 3 hrs
   - LIT 2110 World Literature I 3 hrs
   - STA 1630C Basic Statistics Using Microsoft Excel 3 hrs
   - SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

   Sophomore Year - Fall 15 hrs
   - LIT 2120 World Literature II 3 hrs
   - PSY 2012 General Psychology 3 hrs
   - SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
   - 1 Restricted Elective 3 hrs
   - BSC 1005 Biological Principles 3 hrs

   Sophomore Year - Spring 15 hrs
   - CRW 3013 Creative Writing for English Majors 3 hrs
   - AML 4265 Florida Writers or 3 hrs
   - ENL 2012 English Literature I or 3 hrs
   - ENL 4011 American Literature I or 3 hrs
   - SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
   - CRW 3053 Theory & Practice of Creative Writing 3 hrs

   1 Check restrictions
UCF Degree Programs

Junior Year - Fall
- ENG 3014 Theories and Techniques of Literature 3 hrs
- AML 3041 American Literature II 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- ENL 2022 English Literature II 3 hrs
- CRW 3120 Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- 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
- 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

English - Literature (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Dr. Patrick Murphy
Phone: 407-823-5596

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
2. Common Program Prerequisites (CPP)
3. Core Requirements: Basic Level (6 hrs)
4. Core Requirements: Advanced Level (15 hrs)

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 at least two post-1865 literature courses 6 hrs
Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Restricted Electives (15 hrs)

Select one single author or major author course:

Select 1: 3 hrs
- AML 4300 Major American Authors or 3 hrs
- ENL 4311 Chaucer or 3 hrs
- ENL 4341 Milton and His Age or 3 hrs
- ENL 4333 Shakespeare Studies or 3 hrs
- ENL 4303 British Authors or 3 hrs
- CRW 4244 World Authors 3 hrs
### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I: 3 hrs
- HUM 2210 Humanistic Tradition I: 3 hrs
- MGF 1106 Finite Mathematics: 3 hrs
- POS 2041 American National Government: 3 hrs
- SPC 1608 Fundamentals of Oral Communication: 3 hrs

#### Freshman Year - Spring
- CHM 1020 Concepts in Chemistry: 3 hrs
- ENC 1102 Composition II: 3 hrs
- LIT 2110 World Literature I: 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel: 3 hrs
- SPN 1112C Elementary Spanish Language and Civilization I: 4 hrs

#### Sophomore Year - Fall
- BSC 1005 Biological Principles: 3 hrs
- LIT 2120 World Literature II: 3 hrs
- PSY 2012 General Psychology: 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I: 3 hrs

#### Sophomore Year - Spring
- AML 3031 American Literature I: 3 hrs
- AML 3041 American Literature II: 3 hrs
- Restricted Elective: 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I: 3 hrs

#### Junior Year - Fall
- CRW 3013 Creative Writing: 3 hrs
- ENL 2022 English Literature I: 3 hrs
- LIN 4105 History of the English Language: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs

#### Junior Year - Spring
- ENL 2012 English Literature I: 3 hrs
- AML 4201 Literature of the South: 3 hrs
- ENL 4333 Shakespeare Studies: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs

#### Senior Year - Fall
- AML 4101 American Novel: 3 hrs
- ENL 4253 The Victorian Age: Poetry: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs

#### Senior Year - Spring
- LIT 3383 Women in Literature: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 4 hrs

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### Related Programs
- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- Writing and Rhetoric

### Advising Notes
- None

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

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### Graduation Requirements
- **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.

### Electives
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

### Additional Requirements
- **A minimum GPA of 2.0 in upper division required courses.**
- **Computer Competency met by completion of ENG 3014.**

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

### 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.
  - "B" (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
  - Successful completion and oral defense of Honors thesis.

### Related Programs
- English - Creative Writing
- English - Technical Communication

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### Admissions
- **None**

### Departmental Exit Requirements
- **Maintain a minimum GPA of 2.0 in upper division required courses.**
- **Computer Competency met by completion of ENG 3014.**

### Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- **None**

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### Senior Year - Fall
- AML 4101 American Novel: 3 hrs
- ENL 4253 The Victorian Age: Poetry: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs

### Senior Year - Spring
- LIT 3383 Women in Literature: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 4 hrs

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### civilization I

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### civilization II

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### civilization III

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### civilization IV

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### civilization V
## UCF Degree Programs

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

### English - Technical Communication (B.A.)

**College of Arts and Humanities**  
Department of English, Colbourn Hall, Room: 405  
[http://english.ucf.edu](http://english.ucf.edu)  
Email: english@ucf.edu  
Dr. Patrick Murphy  
Phone: 407-823-5596

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **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)
     - Math: 3 hrs
       - Suggested MGF 1106 Finite Mathematics or 3 hrs
       - Suggested MGF 1107 Explorations in Mathematics or 3 hrs
     - You may substitute a higher level math with appropriate scores on the Math Placement Test.
   - C: Mathematical Foundations (6 hrs)
     - Select a course from GEP C.2 list 3 hrs
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. **Common Program Prerequisites (CPP)**
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - ENC 1101 Composition I GEP
   - ENC 1102 Composition II GEP

3. **Core Requirements: Basic Level (6 hrs)**
   - Select 1: 3 hrs
     - ENC 3241 Writing for the Technical Professional 3 hrs
   - Select 1: 3 hrs
     - CRW 3013 Creative Writing for English Majors or 3 hrs
     - ENG 3014 Theories and Techniques of Literature 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

5. **Restricted Electives (6 hrs)**
   - Select 2: 6 hrs
     - ENC 4262 International Technical Communication or 3 hrs
     - ENC 4265 Writing for the Computer Industry or 3 hrs
     - ENC 4290 Usability Testing for Technical Communication or 3 hrs
     - ENC 4414 Writing and Hypertext or 3 hrs
     - ENC 4298 Technical Communication for the Virtual Workplace or 3 hrs
     - ENC 4941 Internship 1 hr

6. **Capstone Requirements**
   - None

7. **Foreign Language Requirements**
   - 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.

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**Undergraduate Catalog 2013-2014**

[UNIVERSITY OF CENTRAL FLORIDA](http://www.ucf.edu)
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of the following:
  - ENC 4293 Documentation and the Collaborative Process 3 hrs

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

Total Semester Hours Required
- 120

Honors In Major (9 hrs)
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours).
- Successful completion and oral defense of Honors thesis.

Related Programs
- English - Creative Writing
- English - Literature

Certificates
- None

Related Minors
- English - Creative Writing
- English - Literature
- English - Linguistics
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

Plan of Study
- None

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

English Language Arts Education (B.S.)

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209

http://education.ucf.edu/englished/

Dr. Jeff Kaplan, ED 122B, Jeffrey.Kaplan@ucf.edu, 407-823-2041
Dr. Janet Andreasen, Janet.Andreasen@ucf.edu, 407-823-5430

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

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

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

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

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1877-Present 3 hrs
- Required LIT 2110 World Literature I 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer STA 2014C Principles of Statistics 3 hrs

Select 1: 3 hrs
- Prefer STAT 2051 Fundamentals 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 PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP
- SPC 1608 Fundamentals of Oral Communication GEP
- LIT 2110 World Literature I GEP

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

#### 3. Core Requirements: Basic Level (12 hrs)
- **EDF 2130** Child and Adolescent Development for Educators 3 hrs
- **LIT 2110** World Literature I GEP
- **LIT 2120** World Literature II 3 hrs
- **ENL 2012** English Literature I 3 hrs
- **ENL 2022** English Literature II 3 hrs

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

#### 4. Core Requirements: Advanced Level (63 hrs)

##### Education Core Requirements 21 hrs
- **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
- **TSL 4080** Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- **EDF 4467** Learning Theory and Assessment 3 hrs
- **EDF 4603** Analysis of Ethical, Legal, and Safety Issues in Schools 3 hrs
- **EEX 4242** Teaching Exceptional Students in Secondary Settings 3 hrs
- **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
- **TSL 4240** Issues in Second Language Acquisition 3 hrs

1 Prerequisite for Internship I.

##### Specialization Requirements 21 hrs
- **CRW 3013** Creative Writing for English Majors 3 hrs
- **ENG 3014** Theories and Techniques of Literature Study 3 hrs
- **AML 3031** American Literature I 3 hrs
- **AML 3041** American Literature II 3 hrs
- **LAE 4464** Survey of Adolescent Literature 3 hrs
- **EDF 2130** Child and Adolescent Development for Educators 3 hrs
- **EDG 4401** Internship 3 hrs

Select 1:
- **ENC 3311** Essay as Cultural Commentary or 3 hrs
- **LIN 4105** History of the English Language 3 hrs

##### Internship I Block 9 hrs
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences.

- Satisfactory completion of Internship I requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

- 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>LAE 4941</td>
<td>Internship</td>
<td>12</td>
</tr>
</tbody>
</table>

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

- Admissions
  - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

- Graduation
  - None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.

- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

- Complete a TESOL notebook as required for ESOL Endorsement.

- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

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

Total Semester Hours Required 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- Consult with your Education advisor and review your degree audit for more recent information

**Transfer Notes**
- None

**Acceptable Substitutes for Transfer Courses**
- None
Plan of Study

Freshman Year - Fall 12 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1102 Composition II 3 hrs
POS 2041 American National Government 3 hrs
PSC 1121 Physical Science 3 hrs

Freshman Year - Summer 6 hrs
LIT 2110 World Literature I 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Sophomore Year - Fall 15 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
LIT 2120 World Literature II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1: 3 hrs
ANT 2511 The Human Species or
BSC 1005 Biological Principles 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 15 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
Select 1: 3 hrs
ENC 3311 Essay as Cultural Commentary or
LIN 4105 History of the English Language 3 hrs

Junior Year - Spring 15 hrs
AML 3041 American Literature II 3 hrs
Upper Division Elective w/ RED, LAE, EDF, or EDF prefix 3 hrs
LAE 4464 Survey of Adolescent Literature 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

Junior Year - Summer 3 hrs
ENG 3014 Theories and Techniques of Literature Study 3 hrs

Senior Year - Fall 12 hrs
LAE 4330 English Instructional Analysis 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
EXE 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
LAE 3940 Internship 3 hrs

Senior Year - Spring 12 hrs
LAE 4941 Internship 12 hrs

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

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Environmental Engineering (B.S.Env.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Andrew Randall, andrew.randall@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHM 2040 AND CHM 2041.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one class from Social Foundations Group 1 3 hrs
Select one class from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- 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.
UCF Degree Programs

1. A grade of "C" (2.0) or better is required in each course in this section.
2. A "C" (2.0) or better is required in this course.
3. A grade of "C" (2.0) or better is required in this course.
4. A "C" (2.0) or better is required in this course.
5. A grade of "C" (2.0) or better is required in this course.
6. A grade of "C" (2.0) or better is required in this course.
7. A grade of "C" (2.0) or better is required in this course.
8. A grade of "C" (2.0) or better is required in this course.
9. A grade of "C" (2.0) or better is required in this course.
10. A grade of "C" (2.0) or better is required in this course.
11. A grade of "C" (2.0) or better is required in this course.
12. A grade of "C" (2.0) or better is required in this course.

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 A "C" (2.0) or better is required in this course.

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 1006C Introduction to the Engineering Profession 1 hr
  EGN 1007C Engineering Concepts and Methods 1 hr
  CHM 2045C Chemistry Fundamentals I 4 hrs
  CHM 2046 Chemistry Fundamentals II 3 hrs
  CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  Earth Science 3 hrs
  Biological Science 3 hrs

4. Core Requirements: Advanced Level (53 hrs)

- Required Senior Design Courses

  CGN 4808C CECE Capstone Design 3 hrs

5. Restricted Electives (3 hrs)

- Technical electives are available in the BSEnE 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

7. Foreign Language Requirements

- Admissions

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

- Graduation

  None

- Electives

  None

8. Additional Requirements

- EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

- Required Minors

  None

9. Departmental Exit Requirements

  None

1. University Minimum Exit Requirements

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

1. Total Semester Hours Required

  128

1. Honors in Major

  None

1. Related Programs

  - Chemistry
  - Construction Engineering
  - Civil Engineering

1. Certificates

  None

1. Related Minors

  - Chemistry
  - Environmental Studies
  - Mathematics
  - Engineering Leadership
  - Bioengineering

1. Advising Notes

  Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

  The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

1. Transfer Notes

  Courses taken from Florida College System institutions 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.
### UCF Degree Programs

- **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 departmental 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 2311C Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs
- **1** BSC 1050 Biology and Environment 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- EGN 1007C Introduction to the Engineering Profession 1 hr
- EGN 1006C **Design Specialization** 3 hrs

#### Sophomore Year - Fall
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists II 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- EGN 1102 Composition II 3 hrs
- EGN 1007C **Design Specialization** 3 hrs

#### Junior Year - Fall
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- EGS 3003 Introduction to the Construction Industry 3 hrs
- ENV 4341 Solid & Hazardous Waste Management 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists II 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs

#### Sophomore Year - Spring
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- EGN 1007C **Design Specialization** 3 hrs

#### Senior Year - Fall
- ENC 4120 Air Pollution Control 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II 3 hrs
- ENV 4300C Solid Waste Facility Design or 3 hrs
- ENV 4433C Environmental Engineering Wastewater Design or 3 hrs
- ENV 4122C Air Pollution Control Design or 3 hrs
- EES 4202C Chemical Process Control 4 hrs

#### Junior Year - Spring
- ENC 4101 Composition I 3 hrs
- CEG 4111C Geotechnical Engineering I 4 hrs
- ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
- ENV 4632C Water Resources Engineering I 4 hrs
- CWR 4523C Water Resources Engineering II 3 hrs

#### Design Specialization
- ENV 4433C Environmental Engineering Wastewater Design or 3 hrs
- ENV 4122C Air Pollution Control Design or 3 hrs
- ENV 4300C Solid Waste Facility Design or 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II 3 hrs

#### Senior Year - Spring
- EES 4111C Biological Process Control 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- **1** GEO 1200 Physical Geography 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:** $35 per term
- **Full-Time Student:** $70 per term

### Event Management (B.S.)

**Rosen College of Hospitality Management**

**Department of Tourism Event and Attractions**, 9907 Universal Boulevard, Orlando, FL 32819

http://www.hospitality.ucf.edu

**Email:** hospitality@mail.ucf.edu

Dr. Robertico Croes, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

**Admission Requirements**
- **None**

### Degree Requirements
- **None**

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

- **A:** Communication Foundations (9 hrs)
- **B:** Cultural & Historical Foundations (9 hrs)
- **C:** Mathematical Foundations (6 hrs)

- **Select 1:**
  - Required MAC 1105C College Algebra 3 hrs

- **Select 1:**
  - Required MAC 1105C College Algebra 3 hrs

- **Select 1:**
  - Required MAC 1105C College Algebra 3 hrs

#### 2. Common Program Prerequisites (CPP) (3 hrs)

- **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**
- **HFT 1000** Introduction to the Hospitality and Tourism Industry 3 hrs

#### 3. Core Requirements: Basic Level

- **MAC 1105C** College Algebra GEP

- **Select 1:**
  - Required PSY 2012 General Psychology or 3 hrs

- **Select 1:**
  - Required SYG 2000 Introduction to Sociology or 3 hrs

- **E:** Science Foundations (6 hrs)

- **Select 1:**
  - Required STA 2303 Statistical Methods I or 3 hrs

- **Select 1:**
  - Required STA 2303 Statistical Methods I or 3 hrs

- **Select 1:**
  - Required STA 2303 Statistical Methods I or 3 hrs

### 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

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**UNIVERSITY OF CENTRAL FLORIDA**

**Phone:** 407-903-8000

**Dr. Abraham Pizam, Dean**

**Dr. Robertico Croes, Department Chair**

**Email:** hospitality@mail.ucf.edu

**9907 Universal Boulevard, Orlando, FL 32819**

**Department of Tourism Event and Attractions, Rosen College of Hospitality Management**
# UCF Degree Programs

## Internships
- HFT 3940  Internship I  1 hr
- HFT 4841  Internship II  1 hr
- HFT 4944  Internship III  1 hr

## Event Management Core
- FSS 2284C  Food Preparation for Catered Events  4 hrs
- HFT 2750  The Event Industry  3 hrs
- HFT 3670  Hospitality and Event Risk Management  3 hrs
- HFT 3512  Event Promotion  3 hrs
- HFT 3373  Event Design, Production & Technology  3 hrs
- HFT 3519  Event Services  3 hrs
- HFT 3523  Event Sales  3 hrs
- HFT 4757  Event Management  3 hrs

## Required Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HFT 3741  Meeting Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4754  Exhibit and Trade Show Operations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795  Entertainment Arts and Events or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3798  Fairs and Festivals or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4561  Destination Marketing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4736  Destination Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4796  International Events or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4375  Advanced Trade Show Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3868  History and Culture of Wine or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3357  Golf &amp; Club Event Operations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## Management Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HFT 3741  Meeting Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4754  Exhibit and Trade Show Operations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795  Entertainment Arts and Events or</td>
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<td>HFT 4561  Destination Marketing or</td>
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<tr>
<td>HFT 4736  Destination Management or</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4796  International Events or</td>
<td>3 hrs</td>
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<td>HFT 4375  Advanced Trade Show Management or</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3868  History and Culture of Wine or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3357  Golf &amp; Club Event Operations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida College System institution students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

## Acceptable Substitutes for Transfer Courses
- None

## Plan of Study

### Freshman Year - Fall
- HFT 1000  Introduction to the Hospitality and Tourism Industry  3 hrs
- ENC 1101  Composition I  3 hrs
- CGS 2100C  Computer Fundamentals for Business  3 hrs

### Select one course from the list
- PSY 2012  General Psychology or 3 hrs
- SYG 2000  Introduction to Sociology or 3 hrs
- ANT 2000  General Anthropology  3 hrs

### Cultural Foundation Course
- AMH 2010  U.S. History: 1492-1877 or 3 hrs
- HUM 2210  Humanistic Tradition I or 3 hrs
- EUH 2000  Western Civilization I or 3 hrs
- WOH 2012  World Civilization I  3 hrs

### Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- MAC 1105C  College Algebra  3 hrs
- HFT 2750  The Event Industry  3 hrs
- HFT 2220  Hospitality Human Resources Management  3 hrs

### Cultural Foundation Course
- AMH 2230  Humanistic Tradition II or 3 hrs
- AMH 2020  U.S. History: 1877-Present or 3 hrs
- EUH 2001  Western Civilization II or 3 hrs
- WOH 2022  World Civilization II  3 hrs

### Sophomore Year - Fall
- HFT 3670  Hospitality and Event Risk Management  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- HFT 2500  Hospitality and Tourism Marketing  3 hrs

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

### Science Foundation
- BSC 1005  Biological Principles or 3 hrs
- BSC 1050  Biology and Environment or 3 hrs
- GLY 1030  Geology and its Applications or 3 hrs
- GEO 1200  Physical Geography or 3 hrs
- ANT 2511  The Human Species  3 hrs

### Sophomore Year - Spring
- HFT 3512  Event Promotion  3 hrs
- HFT 3519  Event Services  3 hrs
- 1FSS 2284C  Food Preparation for Catered Events  4 hrs

### Science Foundation II
- AST 2002  Astronomy or 3 hrs
- CHM 1020  Concepts in Chemistry or 3 hrs
- PSC 1121  Physical Science  3 hrs

### Cultural Foundation Course
- FIL 1000  Cinema Survey or 3 hrs
- REL 2300  World Religions or 3 hrs
- PHI 2100  Introduction to Philosophy or 3 hrs
- MUL 3010  Enjoyment of Music or 3 hrs
- THE 2000  Theatre Survey or 3 hrs
- ARH 2050  History of Western Art I or 3 hrs
- LIT 2110  World Literature I or 3 hrs
- LIT 2120  World Literature II  3 hrs

1 Food Preparation for Catered Events 4 credit hours
Juniors Year - Fall
- HFT 3540 Guest Services Management I: 3 hrs
- HFT 2254 Lodging Operations: 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting: 3 hrs
- HFT 3940 Internship I: 1 hr
- HFT 3373 Event Design, Production & Technology: 3 hrs

Juniors Year - Spring
- HFT 3431 Hospitality Industry Managerial Accounting: 3 hrs
- HFT 4941 Internship II: 1 hr
- HFT 3523 Event Sales: 3 hrs

Event Management Restricted Elective: ***See list in catalog for 3hrs

Seniors Year - Fall
- HFT 4286 Hospitality Communications: 3 hrs
- HFT 4464 Hospitality Industry Finance: 3 hrs
- HFT 4944 Internship III: 1 hr

Event Management Restricted Elective: ***See list in catalog for 3hrs

University Free Electives: 5 hours

Seniors Year - Spring
- HFT 4757 Event Management: 3 hrs

Event Management Restricted Electives: ***See list in catalog for 6hrs

University Free Electives: 6 hours

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

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Film (B.F.A.)

College of Arts and Humanities
Nicholson School of Communication, Room: 121
[http://film.cah.ucf.edu](http://film.cah.ucf.edu)

Email: film@ucf.edu

Steve Schlow, 407-823-2845
Phone: 407-823-4285

Admission Requirements
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors.
- Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details, or visit the website, [http://www.film.cah.ucf.edu](http://www.film.cah.ucf.edu).

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of "B" (3.0) or better in Film major courses.
- A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.
- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP): (36 hrs)
   - See Transfer Notes for possible substitutions.

A: Communication Foundations: (9 hrs)
- FIL 2030 History of Motion Pictures: 3 hrs
- Prefer one course from 1.B.1 list: 3 hrs
- Prefer one course from either 1.B.1 or 1.B.2 list: 3 hrs

B: Cultural & Historical Foundations: (9 hrs)
- FIL 2030 History of Motion Pictures: 3 hrs
- Prefer one course from 1.B.1 list: 3 hrs
- Prefer one course from either 1.B.1 or 1.B.2 list: 3 hrs

C: Mathematical Foundations: (6 hrs)
- Math: 3 hrs
  - Prefer 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-Computer: (3 hrs)
- Select a course from GEP C.2 list: 3 hrs

1 May substitute a higher level math.

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

2. Common Program Prerequisites (CPP): (3 hrs)
   - FIL 2030 History of Motion Pictures: 3 hrs
   - Prefer one course from either 1.B.1 or 1.B.2 list: 3 hrs

3. Core Requirements: Basic Level: (21 hrs)
   - Lower level core requirements
     - FIL 2107 Script Analysis: 3 hrs
     - FIL 1009 Cinematic Expression for Majors: 3 hrs
     - FIL 2552 Editing I: 3 hrs
     - FIL 2480 Directing for Film I: 3 hrs
     - FIL 2461 Cinematography I: 3 hrs
     - FIL 2481 Directing the Actor for Film I: 3 hrs
     - FIL 2552 Editing I: 3 hrs
     - FIL 2480 Directing for Film I: 3 hrs
     - FIL 3000 Introduction to Digital Media: 3 hrs

4. Core Requirements: Advanced Level: (36 hrs)
   - Upper level core requirements
     - FIL 3115 Short Script I: 3 hrs
     - FIL 3132 Short Script II: 3 hrs
     - FIL 3427C Introduction to Film Production: 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics or You may substitute a higher level math with appropriate scores on the Math Placement Exam.
     - FIL 3534 Sound Design for Film I: 3 hrs
     - FIL 3036 Film History I: 3 hrs
     - FIL 3037 Film History II: 3 hrs
     - FIL 3803C Film Theory and Criticism I: 3 hrs
     - FIL 3922 Film Colloquium: 1 hr
     - FIL 4466C Directing for Film II: 3 hrs
     - FIL 4661 The Film Producer: 3 hrs
     - FIL 4647 Film Production Management: 3 hrs


1 Six semesters of colloquium required at 1 hour each.
5. Restricted Electives: (12 hrs)
   - Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor’s prior approval.

Production / Direction
- FIL 3363C Film Documentary: 3 hrs
- DIG 4704 Interactive Entertainment: 3 hrs
- FIL 4472C Cinematography II: 3 hrs
- FIL 4535C Sound Design for Film II: 3 hrs
- FIL 4536 Sound Design III: 3 hrs
- FIL 4451 Design for Film: 3 hrs
- FIL 4487 Directing for Film III: 3 hrs
- FIL 4566C Editing II: 3 hrs

Screen Writing
- FIL 4103 Adaptation: 3 hrs
- FIL 4162C Feature/TV Writing I: 3 hrs
- FIL 4163C Feature/TV Writing II: 3 hrs
- FIL 4126C Genre Writing: 3 hrs
- FIL 4906 Directed Independent Study: 1 hr

Cinema Studies
- FIL 3802C Images of Women in Film: 3 hrs
- FIL 3831 Black Cinema: 3 hrs
- FIL 3051 Avant-Garde Cinema: 3 hrs
- FIL 3804C Film Theory and Criticism II: 3 hrs
UCF Degree Programs

FIL 3841 French New Wave Cinema 3 hrs
FIL 3824 Italian Neo-Realist Cinema 3 hrs
FIL 3847 Latin American Cinema 3 hrs
FIL 3820 Italian Film 3 hrs
FIL 3822 French Film 3 hrs
FIL 3823 German Film 3 hrs
FIL 3826 American Cinema 3 hrs
FIL 3871 The American Film Artist 3 hrs
FIL 4436 Film Theory/Film Production 3 hrs

Digital Cinema
ART 2923 Art as Interface 3 hrs
ART 3618 Post-Production Design 3 hrs
COP 3520C Computer Science I 3 hrs
DIG 4855 Converging Media Capstone 3 hrs
DIG 3383C Digital Imagery 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs
ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs
DIG 3134 Media Software Design 3 hrs
MUC 3311 MIDI Sequencing I 3 hrs

6. Capstone Requirements (6 hrs)
FIL 4434C Capstone I 3 hrs
FIL 4573C Capstone II 3 hrs

7. Foreign Language Requirements
Admissions
- Met by graduation requirement

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

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must maintain an overall average of a "B"
  (3.0) or better in major courses.
- Department of Film requires an exit interview.

Computer Competency met by one of the following:
- CGS 1060C Introduction to Computers or
- FIL 2552 Editing I or
- STA 1063C Basic Statistics Using Microsoft Excel

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art
- Film - Cinema Studies Track
- Film - World Cinema Track
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

Certificates
- None

Related Minors
- Art - Studio
- Film - Cinema Studies
- English - Creative Writing
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper
  division courses.
- Courses transferred from private and out-of-state
  schools must be evaluated for equivalency credit. The
  student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
FIL 2030 may substitute for FIL 1000, but FIL 2030 is a
prerequisite for subsequent Film courses and still must be
taken.
FIL 1007 may use any introductory film writing course.
However, FIL 1008 is a prerequisite for all major courses
and must be taken.

Plan of Study

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
FIL 1007 Foundations of Story 3 hrs
FIL 1008 Cinematic Expression/Aesthetics 3 hrs
FIL 1009 Cinematic Expression for Majors 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs
Foreign Language 4 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
FIL 2030 History of Motion Pictures 3 hrs
FIL 2107 Script Analysis 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs
Foreign Language 4 hrs

Freshman Year - Summer
GEP 3 hrs

Sophomore Year - Fall
FIL 3115 Short Script I 3 hrs
FIL 3427C Introduction to Film Production 3 hrs
FIL 3803C Film Theory and Criticism I 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Spring
FIL 2480 Directing for Film I 3 hrs
FIL 2481 Directing the Actor for Film I 3 hrs
FIL 2552 Editing I 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Summer
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall
DIG 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 4547 Film Production Management 3 hrs
FIL 4661 The Film Producer 3 hrs
FIL XXXX - Elective
Film - Cinema Studies Track (B.A.)

College of Arts and Humanities

School of Visual Arts and Design,
Nicholson School of Communication, Room: 121
http://film.cah.ucf.edu

Email: film@ucf.edu
Steve Schlow, 407-823-2845
Phone: 407-823-4285

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of "C" (2.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Students must consult with a departmental advisor each semester.
- Departmental Residency Requirement consists of at least 45 semester hours of regularly scheduled 3000-4000
level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 80 hours.

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

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)

Select one course from GEP A.1 list
Select one course from GEP A.2 list

C: Mathematical Foundations (6 hrs)

Math
- 3 hrs

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

Statistics-Computers
- 3 hrs

Select a course from GEP C.1 list

1 May substitute a higher level math.

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

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

3. Core Requirements: Basic Level (12 hrs)

FIL 1008 Cinematic Expression/Aesthetics 3 hrs
FIL 2107 Script Analysis 3 hrs
FIL 2423 Foundations of Production 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)

FIL 3006 Art of the Cinema 3 hrs
FIL 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: Writing for Film and TV or 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 4906 Directed Independent Study 3 hrs
FIL 5612 Film and Internet Business 3 hrs
DIG 4855 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:
  - GCS 1060C Introduction to Computers 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - FIL 1008 Cinematic Expression/Aesthetics 3 hrs

1 See Transfer Notes for possible substitutes
12. University Minimum Exit Requirements

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art
- Music
- Theatre
- Radio - Television
- English - Creative Writing
- Film
- Film - World Cinema Track

Certificates
- None

Related Minors
- Music
- Theatre
- Art - Studio
- English - Creative Writing

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

Acceptable Substitutes for Common Program Prerequisites

FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.

FIL 2007 may use any introductory film writing course. However, FIL 2007 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

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<th>Course</th>
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<tr>
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<td>FIL 1007</td>
<td>Foundations of Story</td>
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<td>FIL 2030</td>
<td>History of Motion Pictures</td>
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Freshman Year - Spring

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<td>FIL 2107</td>
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Freshman Year - Summer

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Sophomore Year - Fall

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<td>FIL 3006</td>
<td>Art of the Cinema</td>
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<td>FIL 3036</td>
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Sophomore Year - Spring

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<td>FIL 3037</td>
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Take one of the following

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Junior Year - Fall

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Junior Year - Spring

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<td>FIL 3804C</td>
<td>Film Theory and Criticism II</td>
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<tr>
<td>FIL 4661</td>
<td>The Film Producer</td>
<td>3</td>
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<td>GEP</td>
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Senior Year - Fall

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Senior Year - Spring

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Program Academic Learning Compacts

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

Equipment Fees

<table>
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<th>Type</th>
<th>Full-Time Student: $45 per term</th>
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<tr>
<td></td>
<td>Part-Time Student: $45 per term</td>
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</table>

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/

Phone: 407-823-3575

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

- Completion of the UCF General Education Program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.
- See Common Program Prerequisites

Degree Requirements

- Students who change their degree programs should adopt the most current catalog.
- Only grades “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of Advanced Level Core Requirements (section 4 below) or Restricted Electives (section 5 below) can count toward another CBA major or minor degree program.
- Students must earn at least a 2.0 GPA in the major and CBA.
Students in the finance major must maintain a 2.0 or higher cumulative grade point average in all 3000 level or higher finance or real estate courses taken at UCF. Failure to maintain the required 2.0 GPA will result in the student being placed on lack of progress in the major. Lack of progress in the major will continue until such time as the student’s cumulative GPA in all finance and real estate courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in finance and real estate courses in the subsequent term, that student will be dropped as a finance major. A student who is dropped may seek re-admittance as a finance major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a finance and real estate GPA of 2.0 or higher. Readmission is not automatic.

Students majoring in finance must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:

FIN 3403C  Business Finance  4 hrs

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1698 Fundamentals of Oral Communication
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required CGS 2100C Computer Fundamentals for Business
   Prefer MAC 1105C College Algebra
   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Suggested ECO 2013 Principles of Macroeconomics or
   Suggested ECO 2023 Principles of Microeconomics
   Select 1: 3 hrs
   Suggested PSY 2012 General Psychology or
   Suggested ANT 2000 General Anthropology or
   Suggested SYG 2000 Introduction to Sociology
   E: Science Foundations (6 hrs)
   Select 1: 3 hrs
   Suggested ECO 2013 Principles of Macroeconomics or
   Suggested ECO 2023 Principles of Microeconomics

2. Common Program Prerequisites (CPP) (18 hrs)
   Must be completed with a “C” (2.0) or better.
   See “Common Prerequisites” in the Transfer and Transitions services section for more information.
   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
   Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
   ECO 3401 Quantitative Business Tools I 3 hrs
   or
   MAC 2233 Concepts of Calculus and
   STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (32 hrs)
   First or subsequent semester in the College of Business Administration:
   1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 3403C Business Finance 4 hrs
   GEB 3375 Introduction to International Business 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs
   MAR 3203 Supply Chain and Operations Management 4 hrs
   1 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: 6 hrs
   FIN 3461 Financial Statement Analysis or
   FIN 4324 Commercial Bank Management or
   FIN 4424 Advanced Topics in Financial Management or
   FIN 4514 Portfolio Analysis and Management or
   FIN 4533 Financial Derivatives or
   FIN 4604 International Financial Management or

5. Restricted Electives (6 hrs)
   Select 2: 6 hrs
   1 ACG 3311 Intermediate Financial Accounting I or 3 hrs
   1 ACG 3341 Intermediate Financial Accounting II or 3 hrs
   1 ACG 3381 Cost Accounting I or 3 hrs
   ECO 4412 Econometrics or 3 hrs
   FIN 3461 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 or 3 hrs
   FIN 4604 International Financial Management or
   FIN 4604 International Financial Management or
   FIN 4906 Directed Independent Study or 3 hrs
   FIN 4941 Finance Internship or 3 hrs
   FIN 4903H Honors Directed Reading I or 3 hrs
   FIN 4970H Undergraduate Honors Thesis or 3 hrs
   GEB 4374 International Negotiations and Transactions or
   MAR 3391 Professional Selling or 3 hrs
   REE 4043 Fundamentals of Real Estate or 3 hrs
   REE 3433 Real Estate Law or 3 hrs
   REE 4103 Real Estate Appraisal and Valuation or 3 hrs
   REE 4203 Commercial Real Estate Finance or 3 hrs
   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
   REE 4933 Advanced Topics in Real Estate or 3 hrs
   TAX 4001 Taxation of Business Entities and Transactions or
   1 Must be an accounting major or accounting minor to register for this course
   2 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:
   FIN 3403C Business Finance 4 hrs
   GEB 3031 Cornerstone: Professional Skills for Business 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs

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

8. Electives
   (variable)

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    None
12. University Minimum Exit Requirements

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- Finance: Banking
- Finance: Corporate Finance
- Finance: Investments

Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.

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
- 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
- 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
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Psy/Ant/Soc Science 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall
- 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
- MAR 3023 Marketing 4 hrs

Junior Year - Spring
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3303 Financial Markets 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- MAN 3025 Management of Organizations 4 hrs

Senior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

Senior Year - Spring
- FIN 4453 Financial Models 3 hrs
- MAN 4720 Strategic Management 4 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Forensic Science - Analysis Track (B.S.)

College of Sciences
Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/
Email: chemistry@ucf.edu

Dr. G. Mattson, gerald.mattson@ucf.edu
Phone: 407-823-1522

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
A: Communication Foundations (9 hrs)
Preferred SPC 1800C Fundamentals of Technical Presentations
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
B. Forensic Analysis Track: 16 hrs
- Select from the following: 12 hrs
- Note: Substitutions require prior approval by the department.

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Required ENC 1102 Composition II 3 hrs
Required ENC 1101 Composition I 3 hrs

E: Science Foundations (8 hrs)
Required PHY 2049C Physics for Engineers and Scientists I 4 hrs
Required PHY 2048C Physics for Engineers and Scientists II 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I GEP

Select one of the following sequences of courses:
CHM 2045C Chemistry Fundamentals I 4 hrs
or
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (18 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
CHM 2045C Chemistry Fundamentals I CPP
- or
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs
- and
CHM 2046 Chemistry Fundamentals II and CPP
CHM 2046L Chemistry Fundamentals Laboratory and CPP
BSC 2010C Biology I and GEP/CPP
MAC 2311C Calculus with Analytic Geometry I and CPP
MAC 2312 Calculus with Analytic Geometry II and CPP
PHY 2048C Physics for Engineers & Scientists I and CPP
PHY 2049C Physics for Engineers and Scientists II and CPP

Basic Core: Additional Requirements 18 hrs
CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I and 2 hrs
CHM 3120 Analytical Chemistry and 3 hrs
CHM 3120L Analytical Chemistry Laboratory and 1 hr
PCB 3063 Genetics and 3 hrs
PCB 3233 Immunology 3 hrs

4. Core Requirements: Advanced Level (34 hrs)
A. Forensic Science Core: 18 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
CHS 3505C Forensic Microscopy 4 hrs
CHS 3533 Forensic Biochemistry I 2 hrs

CHS 3595 Forensic Science in the Courtroom 3 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Analysis Track: 16 hrs
CHM 3422 Applied Physical Chemistry 3 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
CHS 3511C Trace Evidence 4 hrs
CHS 3530C Forensic Analysis of Controlled Substances 4 hrs

5. Restricted Electives (12 hrs)
Select from the following: 12 hrs

Note: Substitutions require prior approval by the department.

ANT 4521 Forensic Anthropology 3 hrs
BCH 4053 Biochemistry I 3 hrs
CHM 3215L Organic Laboratory Techniques II 2 hrs
CHM 4912 Directed Independent Research 3 hrs
CHS 4506C Forensic Investigation Technology 3 hrs
CHS 4515C Forensic Crime Scene Investigation 4 hrs
PCB 3063L Genetics Laboratory 1 hr
PCB 3233L Immunology Laboratory 1 hr

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

8. Electives
- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 4 and 5 of the departmental degree requirements.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in residence at UCF.

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

Total Semester Hours Required 124

Honors In Major
- None

Related Programs
- Chemistry
- Forensic Science - Biochemistry Track
- Certificates
  - Behavioral Forensics
  - Crime Scene Investigation
UCF Degree Programs

Related Minors
- Chemistry

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- CHM 2045c: may use CHM X040 plus CHM X041.
- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/
- Because of the rigorous nature of these classes, students should plan on utilizing summer terms. In addition, you may be required to complete 9 hours during the Summer. Consult with an advisor to determine if you are exempt.
- This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Freshman Year - Fall
- CHM 2040: Chemistry Fundamentals IA 3 hrs
- CHS 3501: Introduction to Forensic Science 3 hrs
- MAC 1140: Pre-Calculus Algebra 3 hrs
- ENC 1101: Composition I 3 hrs

Freshman Year - Spring
- CHM 2041: Chemistry Fundamentals IB 3 hrs
- BSC 2010c: Biology I 4 hrs
- MAC 2311c: Calculus with Analytic Geometry I 4 hrs
- ENC 1102: Composition II 3 hrs

Freshman Year - Summer
- CHM 204cl: Chemistry Fundamentals II 3 hrs
- CHM 2046l: Chemistry Fundamentals Laboratory 1 hr

Sophomore Year - Fall
- CHM 2210: Organic Chemistry I 3 hrs
- PHY 2048c: Physics for Engineers & Scientists I 4 hrs
- STA 2023: Statistical Methods I 3 hrs
- MAC 2312: Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Spring
- CHM 2211l: Organic Chemistry II 3 hrs
- CHM 2211l: Organic Laboratory Techniques I 2 hrs
- PHY 2049c: Physics for Engineers and Scientists II 4 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Junior Year - Fall
- CHS 3505c: Forensic Microscopy 4 hrs
- CHM 3120: Analytical Chemistry 3 hrs
- CHM 3120l: Analytical Chemistry Laboratory 1 hr
- PCB 3233: Immunology 3 hrs
- Restricted Elective 1 hr
- GEP 3 hrs

Junior Year - Spring
- CHS 3511c: Trace Evidence 4 hrs
- CHS 4537: Forensic Laboratory Quality Assurance 2 hrs
- CHS 3595: Forensic Science in the Courtroom 3 hrs
- PCB 3063: Genetics 3 hrs

Junior Year - Summer
- CHS 4506c: Forensic Investigation Technology 3 hrs
- CHS 4515c: Forensic Crime Scene Investigation 4 hrs
- (or other restricted elective)

Senior Year - Fall
- CHS 3530c: Forensic Analysis of Controlled Substances 4 hrs
- CHS 3533: Forensic Biochemistry I 2 hrs
- CHM 3422: Applied Physical Chemistry 3 hrs
- GEP 3 hrs
- Restricted Elective 1 hr

Senior Year - Spring
- CHM 4130l: Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130l: Advanced Analytical Chemistry Laboratory 2 hrs
- SPC 1603c: Fundamentals of Technical Presentations 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Senior Year - Summer
- CHS 4591: Forensic Science Internship 4 hrs

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

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/
Email: chemistry@ucf.edu
Dr. G. Mattson, gerald.mattson@ucf.edu
Phone: 407-823-1522

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)
- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
- Preferred: SPC 1603c: Fundamentals of Technical Presentations
- Required: ENC 1101: Composition I 3 hrs
- Required: ENC 1102: Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required: MAC 2311c: Calculus with Analytic Geometry I 4 hrs

C: Mathematical Foundations (7 hrs)
- Required: STA 2023: Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
   Required BSC 2010C Biology I 4 hrs
   Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   BSC 2010C Biology I GEP

Select one of the following sequences of courses:
   CHM 2045C Chemistry Fundamentals I 4 hrs
   or
   CHM 2040 Chemistry Fundamentals IA and 3 hrs
   CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   MAC 3211C Calculus with Analytic Geometry I 4 hrs
   MAC 3212 Calculus with Analytic Geometry II 4 hrs
   PHY 2048C Physics for Engineers & Scientists I GEP
   PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (20 hrs)
   ■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   Basic Core: Required, satisfies the CPP
   CHM 2045C Chemistry Fundamentals I GEP
   - or
   CHM 2040 Chemistry Fundamentals IA and CPP
   CHM 2041 Chemistry Fundamentals IB CPP
   - and
   CHM 2046 Chemistry Fundamentals II and CPP
   CHM 2046L Chemistry Fundamentals Laboratory and CPP
   BSC 2010C Biology I and GEP
   MAC 3211C Calculus with Analytic Geometry I and GEP
   MAC 3212 Calculus with Analytic Geometry II and CPP
   PHY 2048C Physics for Engineers & Scientists I and CPP
   PHY 2049C Physics for Engineers and Scientists II CPP

Basic Core: Additional Requirements 20 hrs
   CHM 2210 Organic Chemistry I and 3 hrs
   CHM 2211 Organic Chemistry II and 3 hrs
   CHM 2211L Organic Laboratory Techniques I and 2 hrs
   CHM 3120 Analytical Chemistry and 3 hrs
   CHM 3120L Analytical Chemistry Laboratory and 1 hr
   STA 2023 Statistical Methods I and GEP
   PCB 3063 Genetics and 3 hrs
   PCB 3063L Genetics Laboratory and 1 hr
   PCB 3233 Immunology and 3 hrs
   PCB 3233L Immunology Laboratory 1 hr

4. Core Requirements: Advanced Level (45 hrs)
A. Forensic Science Core 18 hrs
   CHS 3501 Introduction to Forensic Science 3 hrs
   CHS 3505C Forensic Microscopy 4 hrs
   CHS 3533 Forensic Biochemistry I 2 hrs
   CHS 3595 Forensic Science in the Courtroom 3 hrs
   CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
   CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Biochemistry Track: 27 hrs
   BCH 4053 Forensic Biochemistry I 3 hrs
   BCH 4054 Biochemistry II 3 hrs
   BCH 4103L Biochemical Methods 2 hrs
   BSC 3403C Quantitative Biological Methods 4 hrs
   CHS 4534C Forensic Biochemistry II 3 hrs
   CHS 3533L Forensic Biochemistry I Laboratory 1 hr
   MCB 3020C General Microbiology 5 hrs
   PCB 3522 Molecular Biology I 3 hrs
   PCB 4524 Molecular Biology II 3 hrs

5. Restricted Electives (3 hrs)
   Any course approved by the Forensic Program advisor.

6. Capstone Requirements
   ■ None
French (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. Paul Giordano
Phone: 407-823-2472

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ At least 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 14 credits of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
■ Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
■ Co-op or internship credit cannot be used in this major.
■ Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
■ Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Math (6 hrs)
Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics (3 hrs)

Statistics - Computers (3 hrs)
Select a course from GEP C.2 list (3 hrs)

2. Common Program Prerequisites (CPP) (14 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

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

Equipment Fees
■ Part-Time Student: $45 per term
■ Full-Time Student: $90 per term
4. Core Requirements: Advanced Level (21 hrs)

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<td>1 FRE 3300</td>
<td>French Grammar</td>
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<td>1 FRE 3420</td>
<td>French Composition</td>
<td>3 hrs</td>
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<tr>
<td>1 FRE 3760</td>
<td>Advanced French Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td>1 FRE 3780</td>
<td>French Phonetics and Diction</td>
<td>3 hrs</td>
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Select 1: 3 hrs

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<tr>
<td>FRE 4422</td>
<td>Advanced French Composition</td>
<td>3 hrs</td>
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</table>

Select 1: 3 hrs

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<th>Hours</th>
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<tbody>
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<td>FRW 3101</td>
<td>Survey of French Literature II</td>
<td>3 hrs</td>
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<tr>
<td>FRW 3770</td>
<td>Francophone Literature</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>French literature beyond the survey level (taught in French)</td>
<td>6 hrs</td>
<td></td>
</tr>
<tr>
<td>French courses</td>
<td>9 hrs</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

None

Related Programs

Spanish

Certificates

None

Related Minors

French

Italian

Judaic Studies

Latin American Area Studies

Spanish

Advising Notes

None

Transfer Notes

Lower division courses do not substitute for upper division courses.

Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

None

Plan of Study

None

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

General Business (B.S.B.A.)

College of Business Administration

Department of Management,

Business Administration II, Room: 101

http://www.bus.ucf.edu/

Email: uss@bus.ucf.edu

Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.

See Common Program Prerequisites

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Students wanting to major in General Business must apply for admission to the major.

Final exams will be given during Exam Week.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Students must have at least a 2.0 GPA in the major and COB.

Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.

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

A: Communication Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

University of Central Florida

207 Undergraduate Catalog 2013-2014
## UCF Degree Programs

### Finance

- **E: Science Foundations** (6 hrs)
- **2. Common Program Prerequisites (CPP)** (18 hrs)
  - Must be completed with a “C” (2.0) or better.
  - **ACG 2021** Principles of Financial Accounting 3 hrs
  - **ACG 2071** Principles of Managerial Accounting 3 hrs
  - **CGS 2100C** Computer Fundamentals for Business 3 hrs
  - **ECO 2013** Principles of Macroeconomics 3 hrs
  - **ECO 2023** Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students must receive a “C” (2.0) in both **MAC 2233** and **STA 2023** to be waived from **ECO 3401**.
  - **ECO 3401** Quantitative Business Tools I 3 hrs
  - or
  - **MAC 2233** Concepts of Calculus and 3 hrs
  - **STA 2023** Statistical Methods I 3 hrs

### Second Level Core Requirements 12 hrs

- 2 Must be taken with GEB 3031
- 1 Required in 1st or 2nd semester

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (32 hrs)

#### Core Classes 32 hrs

**First or subsequent semester in the College of Business Administration:**
- **BUL 3130** Legal and Ethical Environment of Business and 4 hrs
- **ECO 3411** Quantitative Business Tools II and 4 hrs
- **FIN 3403** Business Finance and 4 hrs
- **GEB 3031** Cornerstone: Professional Skills for Business and 3 hrs
- **MAR 3023** Marketing and 4 hrs
- **MAN 3025** Management of Organizations and 4 hrs
- **MAR 3203** Supply Chain and Operations Management 4 hrs

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

#### Second Level Core Requirements 12 hrs

- Students must take the following four (4) courses.
  - **ECP 4703** Managerial Economics 3 hrs
  - **FIN 3303** Financial Markets 3 hrs
  - **MAN 3301** Management of Human Resources 3 hrs
  - **MAR 3503** Consumer Behavior 3 hrs

#### 5. Restricted Electives (12 hrs)

- Restricted electives are to be taken from two different departments and from the courses listed below. At least two of the restricted electives must be at the 4000 level.

**Economics**
- **ECO 3223** Money and Banking 3 hrs
- **ECP 3203** Labor Economics 3 hrs

1. 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

**Finance**
- **FIN 3414** Intermediate Corporate Finance 3 hrs
- **FIN 3504** Investment Analysis 3 hrs

**Management**
- **GBE 3113** Creativity and Entrepreneurship 3 hrs
- **MAN 4240** Organizations: Theory and Behavior 3 hrs
- **MAN 4441** Conflict Resolution and Negotiation 3 hrs

**Marketing**
- **MAR 3403** Sales Force Management 3 hrs
- **MAR 3613** Marketing Analysis and Research 3 hrs
- **MAR 4156** International Marketing 3 hrs
- **MAR 4841** Services Marketing 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 3403** Business Finance 4 hrs
  - **GEB 3031** Cornerstone: Professional Skills for Business 4 hrs
  - **GEB 3031L** Cornerstone Lab: Professional Skills for Business 1 hr
  - **MAR 3025** Management of Organizations 4 hrs
  - **MAR 3203** Marketing 4 hrs

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

### 7. Foreign Language Requirements

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

#### Graduation
- None

#### 8. Electives
- General electives as required to reach 120 semester hours.

### 9. Additional Requirements

- Students desiring to complete the General Business major as a second major within the College of Business Administration must complete 24 hours in the second major beyond the courses required for the General Business major.
- Students in the General Business major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher, Business courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major.
- Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Business courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Business courses in a subsequent term, that student will be dropped as a General Business major. A student who is dropped may seek remittance as a General Business major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Business GPA of 2.0 or higher. Readmission is not automatic.

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- None

### 12. University Minimum Exit Requirements

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

### Total Semester Hours Required
- 120

#### Honors in Major
- None

#### Related Programs
- None

#### Certificates
- None

#### Related Minors
- None
Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- 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
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I.
- Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C”(2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- ACG 2021-Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study

Freshman Year - Fall
- ECO 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C Computer Fundamentals for Business 3 hrs
- ENC 1101 Composition I 3 hrs
1 Must complete nine hours in a summer term.

Freshman Year - Spring
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
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
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs

Junior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs
1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

Senior Year - Fall
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAR 3023 Marketing 4 hrs

Senior Year - Spring
1 GEB 3375 Introduction to International Business 4 hrs
1 *Students take 3 restrictive electives from approved list described above** General electives as required to reach 120 semester hours.

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Health Informatics and Information Management (B.S.)

College of Health and Public Affairs
Department of Health Management and Informatics, Health & Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/bshim.cfm
Dr. Alice M. Noblin, anoblin@ucf.edu
Phone: 407-823-2353

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring.
- Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours
UCF Degree Programs

1. UCF General Education Program (GEP)  (37 hrs)
   A: Communication Foundations  (9 hrs)
   B: Cultural & Historical Foundations  (9 hrs)
   C: Mathematical Foundations  (6 hrs)
      Suggested MAC 1105C College Algebra  3 hrs
      Suggested STA 2014C Principles of Statistics  3 hrs
   D: Social Foundations  (6 hrs)
   E: Science Foundations  (7 hrs)
      Suggested BSC 2010C Biology I  4 hrs
      Suggested CHM 1032 General Chemistry  3 hrs

2. Common Program Prerequisites (CPP)  (17 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1 ZOO 3733C Human Anatomy  4 hrs
   PCB 3703C Human Physiology  4 hrs
   STA 2014C Principles of Statistics  GEP
   2 CGS 2100C Computer Fundamentals for Business  3 hrs
   ACG 2071 Principles of Managerial Accounting  3 hrs
   ACG 2021 Principles of Financial Accounting  3 hrs

3. Core Requirements: Basic Level  None

4. Core Requirements: Advanced Level  (66 hrs)
   HSC 3147 Introduction to Pharmacology  3 hrs
   HSA 3170 Health Care Finance  3 hrs
   HSA 4109 Principles of Managed Care  3 hrs
   HSA 4191 Health Care Automation  3 hrs
   HSA 4702 Health Sciences Research Methods  3 hrs
   HSC 3537 Medical Terminology  3 hrs
   HSC 4555 Pathophysiology I  3 hrs
   HSC 4558 Pathophysiology II  3 hrs
   HIM 3006 Foundations of Health Information Management (HIM)
   HIM 3116C Health Record Organization and Management  4 hrs
   HIM 3806C Professional Practice Experience I  3 hrs
   HIM 4816C Professional Practice Experience II  3 hrs
   HIM 4226C Coding Procedures I  5 hrs
   HIM 4256C Coding Procedures II  3 hrs
   HIM 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  None
   Graduation  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.
   Electives  None

8. Electives  None

9. Additional Requirements  None

10. Required Minors  None

11. Departmental Exit Requirements
    A minimum 2.5 overall GPA is required for graduation.

Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

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

Total Semester Hours Required  120
Honors in Major  None

Related Programs
Health Services Administration
Business Administration
Computer Science

Certificates
None

Related Minors
Health Services Administration
Business
Computer Science

Advising Notes
None

Transfer Notes
Florida College System Equivalents:
   Human Anatomy & Physiology I & II (BSC X085 and X086)
   Financial Accounting (ACG 2021)
   Managerial Accounting (ACG 2071)
   Statistics (STA 2014C or any other statistics course)
   Computer Science for Business (CGS 2100C)

Acceptable Substitutes for Transfer Courses
None

Plan of Study

Freshman Year - Fall  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  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 2020 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
SPC 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
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

Junior Year - Fall 15 hrs
1 HSA 4131 Health Care Automation 3 hrs
1 HIM 3006 Foundations of Health Information 3 hrs
1 Management (HIM) 4 hrs
1 HIM 3806C Professional Practice Experience I 3 hrs
HSC 4555 Pathophysiology I 3 hrs
1 HIM 4838 Management Affiliation 5 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 (HIM) 4 hrs
HIM 3806C Professional Practice Experience I 3 hrs
HSC 4558 Pathophysiology II 3 hrs

Senior Year - Fall 13 hrs
HIM 4344C Health Information Department 4 hrs
Management 4 hrs
HIM 450BC Quality Management 3 hrs
HIM 4256C Coding Procedures II 3 hrs
HIM 4656C Health Information Management Systems 3 hrs

Senior Year - Spring 12 hrs
HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
HIM 4816C Professional Practice Experience II 3 hrs
1 HSA 4702 Health Sciences Research Methods 3 hrs
1 HSA 3170 Health Care Finance 3 hrs

Senior Year - Summer 5 hrs
HIM 4838 Management Affiliation 5 hrs

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Health Sciences - Pre-Clinical Track (B.S.)
College of Health and Public Affairs
Department of Health Professions,
Health & Public Affairs II, Room: 118
http://www.cohta.ucf.edu/health.pro/pre-clinical.shtml
Dr. Suha Saleh, pcinfo@ucf.edu, 407-823-2747

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

Admission Requirements
- None

Degree Requirements
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, 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."
UCF Degree Programs

Select 1:
- HSC 2000 Introduction to the Allied Health 2 hrs
- HSC 4008 Professional Development in Health Professions 3 hrs

1. Students must earn appropriate score on placement exam prior to enrolling in these classes.
2. For freshman and sophomore students, the upper level HSC 4008 (3 hrs) can be used as a substitution as needed during the junior or senior years.

4. Core Requirements: Advanced Level (29 hrs)
- HSA 4702 Health Sciences Research Methods 3 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 4562 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
- 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 3537 Medical Terminology 3 hrs
- HSC 3559 Disabilities in American Society 3 hrs
- HSC 3593 HIV Disease: A Human Concern 3 hrs
- HSC 3432 Occupational Safety for the Health Care 3 hrs
- HSC 4008 Professional Development in Health Professions 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Students who transfer in with a Florida College System institution AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

9. Additional Requirements

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, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with a faculty advisor

Preprofessional Programs

Related Programs
- Biology
- Molecular Biology and Microbiology
- Athletic Training
- Sports and Fitness

Certificates
- None

Related Minors
- Biology
- Business
- Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Science Education

Advising Notes
- Students should consult with a college advisor each semester.
- Students should consult a pre-professional advisor before making application to a graduate program.
- Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.
UCF Degree Programs

Transfer Notes
- Completion of an Associate of Arts degree from a Florida College System institution is strongly recommended.
- Students who begin a two-semester sequence course (e.g., General Chemistry, College Physics) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Students who take Anatomy and Physiology at a Florida College System institution may be required to complete additional upper division credits in order to meet University graduation requirements. If the student does not meet the requirements, he/she may need to complete additional courses at UCF.

Acceptable Substitutes for Transfer Courses
- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1011 and BSC 1011L).
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
- College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.
- Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) level credits.
- 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
- MAC 1105C College Algebra 4 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Select 1: 3 hrs
- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
- MUL 101 Enjoyment of Music or REL 2300 World Religions or THE 2000 Theatre Survey or PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 14 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- DEP 2004C Developmental Psychology 3 hrs
- ZOO 3733C Human Anatomy 4 hrs
- Select 1: 3 hrs
- EUH 2000 Western Civilization I or AMH 2010 U.S. History: 1492-1877 or HUM 2210 Humanistic Tradition I 3 hrs

Sophomore Year - Spring 16 hrs
- PCB 3703C Human Physiology 4 hrs
- HUN 2201 Fundamentals of Human Nutrition 3 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- MAC 1114C College Trigonometry 3 hrs

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

Junior Year - Fall 13 hrs
- PHY 2053C College Physics I 4 hrs
- HSC 4555 Pathophysiology I 3 hrs
- Restricted Elective 3 hrs

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

Junior Year - Spring 16 hrs
- PHY 2054C College Physics II 4 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs
- HSC 4558 Pathophysiology II 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- HSC 3211 Preventive Health Care 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

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

Health Services Administration (B.S.)

College of Health and Public Affairs

Department of Health Management and Informatics, Health & Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/
Email: hsainfo@ucf.edu

Dr. Jennifer Sumner, Undergraduate Program Director
Dr. Myron Fottler, Exec. Director of HSA Programs
Phone: 407-823-2359

This program is currently available online and in the classroom. Students who choose to take online courses are urged to complete either CGS 2100C or CGS 1060C prior to enrolling in online-based courses. After enrolling in online courses, students should visit http://learm.ucf.edu. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrrib.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 College System or State University System.
- Students should consult with a departmental advisor prior to first semester of enrollment.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours
- HSA Residency Requirement: Students must complete at least 45 credit hours of the core requirements at UCF in the department of Health Management and Informatics.
UCF Degree Programs

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)
   Suggested MAC 1105C College Algebra
   3 hrs

   Select 1: 3 hrs
   Suggested CGS 1060C Introduction to Computers or
   Suggested CGS 2100C Computer Fundamentals for Business

   C: Mathematical Foundations (6 hrs)
   Suggested ECO 2023 Principles of Microeconomics
   3 hrs

   Select 1: 3 hrs
   Prefer PSY 2012 General Psychology or
   Prefer SYG 2000 Introduction to Sociology
   3 hrs

   D: Social Foundations (6 hrs)
   Suggested ECO 2023 Principles of Microeconomics
   3 hrs

   Select 1: 3 hrs
   Prefer PSY 2012 General Psychology or
   Prefer SYG 2000 Introduction to Sociology
   3 hrs

   E: Science Foundations (6 hrs)
   ECO 2023 Principles of Microeconomics
   GEP

   Select 1: 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication
   3 hrs

   2. Common Program Prerequisites (CPP) (9 hrs)
   Students must earn a “C” (2.0) or better in each Common Program Prerequisite
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   3. Core Requirements: Basic Level
   None

   4. Core Requirements: Advanced Level (48 hrs)
   Students must earn a “C” (2.0) or better in each Core Requirement

   HSA 3111 U.S. Health Care Systems
   3 hrs
   HSA 3170 Health Care Finance
   3 hrs
   HSA 3222 Long Term Care and Administration
   3 hrs
   HSA 3430 Health Care Economics
   3 hrs
   HSA 4109 Principles of Managed Care
   3 hrs
   HSC 4201 Community Health
   3 hrs
   HSA 4190 Organization & Management for Health
   3 hrs
   Agencies I
   HIM 4508C Quality Management
   3 hrs
   HSA 4702 Health Sciences Research Methods
   3 hrs
   HSC 3597 Medical Terminology
   3 hrs
   HSC 4500 Epidemiology
   3 hrs
   HSC 4564 Health Care Needs of the Elderly
   3 hrs
   HSC 4652 Health Law and Ethics
   3 hrs
   HSA 4184 Organization & Management for Health
   Agencies II
   3 hrs
   HSA 4191 Health Care Automation
   3 hrs
   HSA 4850 Health Services Administration Internship
   3 hrs

   5. Restricted Electives
   None

   6. Capstone Requirements (3 hrs)
   HSA 4939 Health Services Administration Capstone
   3 hrs

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

   Graduation
   Students who transfer with an AA degree from a Florida College System institution and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

   8. Electives
   Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

   9. Additional Requirements
   As a requirement for the Bachelor of Science in Health Services Administration major, students must complete an internship within the administrative realm of an actual health care organization. Many health care organizations will require that students complete a background check, which may include, but not be limited to, law enforcement finger printing, state driving records, credit reports, and criminal records check. The cost of the background check is the student’s responsibility. Background checks may take time to complete and, subsequently, could delay the student’s internship placement. It is advised that, in the semester prior to the internship, the student contact the organization directly to obtain further information on the organization’s background check requirements. Students who have potential background issues must contact the Director of Internships to schedule an interview in order to discuss the impact on field placement. The Health Services Administration Program cannot guarantee internship placement or subsequent degree completion for students who do not pass background checks.

   10. Required Minors
   None

   11. Departmental Exit Requirements
   Students must earn a “C” (2.0) or better in each Health Services Administration course.

   12. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 39 hours of course work must be completed in residency at UCF.

   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

   Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   Total Semester Hours Required
   120

   Honors In Major
   Interested students should consult with a faculty advisor.

   Related Programs
   Public Administration
   Health Informatics and Information Management
   Certificates
   Aging Studies

   Related Minors
   Aging Studies
   Health Informatics and Information Management
   Health Sciences
   Public Administration

   Advising Notes
   Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.

   A variety of internship opportunities are available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.

   Students will be assigned a faculty member for the purpose of career advising.
Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
MAC 1105C College Algebra 3 hrs
Select 1: 3 hrs
Select 1: 3 hrs
Select 1: 3 hrs
Freshman Year - Spring 12 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1: 3 hrs
Select 1: 3 hrs
Select 1: 3 hrs

Sophomore Year - Fall 15 hrs
ECO 2023 Principles of Microeconomics 3 hrs
BSC 1005 Concepts in Chemistry 3 hrs
AGC 2021 Principles of Financial Accounting 3 hrs
Select 1: 3 hrs
Select 1: 3 hrs
Select 1: 3 hrs
Sophomore Year - Spring 12 hrs
AGC 2071 Principles of Managerial Accounting 3 hrs
STA 2023 Statistical Methods I 3 hrs
Select 1: 3 hrs
Select 1: 3 hrs
Select 1: 3 hrs

Sophomore Year - Summer 8 hrs
Select 1: 3 hrs
Select 1: 3 hrs
Select 1: 3 hrs

Junior Year - Fall 15 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 4201 Community Health 3 hrs
HSA 3222 Long Term Care and Administration 3 hrs
Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
HSA 3170 Health Care Finance 3 hrs
HSC 4500 Epidemiology 3 hrs
HSA 4180 Organization & Management for Health Agencies I 3 hrs
HSA 4191 Health Care Automation 3 hrs
Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
HSA 3430 Health Care Economics 3 hrs
HSA 4184 Organization & Management for Health Agencies II 3 hrs
HIM 4508C Quality Management 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs
HSC 4652 Health Law and Ethics 3 hrs
HSA 4939 Health Services Administration Capstone 3 hrs
HSA 4850 Health Services Administration Internship 3 hrs

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

History (B.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: history@ucf.edu
Dr. John Sacher, Chair
Phone: 407-823-2225

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Required AMH 2020 U.S. History: 1877-Present or 3 hrs
Required AMH 2010 U.S. History: 1492-1877 or 3 hrs
Select one course from B.1.B list 3 hrs

C: Mathematical Foundations (6 hrs)
Math:
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers: 3 hrs
Select a course from GEP C.2 list 3 hrs

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

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- AMH 2010 U.S. History: 1492-1877 GEP
- AMH 2020 U.S. History: 1877-Present GEP
UCF Degree Programs

3. Core Requirements: Basic Level (6 hrs)
   Select one of the following sequences of courses:
   - Select one sequence
     - EUH 2000 Western Civilization I and 3 hrs
   - EUH 2001 Western Civilization II 3 hrs
   - or
     - WOH 2012 World Civilization I and 3 hrs
     - WOH 2022 World Civilization II 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   - HIS 4150 History and Historians 3 hrs

5. Restricted Electives (21 hrs)
   - (Must be taken within the History Department)
   Select six hours of approved history courses 18 hrs
   within three of four geographic regions
     - Asian, African, and Middle Eastern or 6 hrs
     - British and European or 6 hrs
     - Latin American or 6 hrs
   - U.S. and Canadian 6 hrs
   - Select three hours of approved history courses

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement
   Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None
   - 10. Required Minors
      - None
   - 11. Departmental Exit Requirements
      - Maintain a minimum GPA of 2.0 in upper division required courses attempted.
      - Submit a portfolio during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.
      - Computer competency met by completion of the major.
      - Students must complete at least 18 of the required 36 History credit hours at UCF.

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Humanities

Certificates
- None

Related Minors
- African - American Studies
- Asian Studies
- Humanities
- Judaic Studies

Latin American Area Studies
Women’s Studies
American Studies
Middle Eastern Studies

Advising Notes
- None

Transfer Notes
- Grades below “C” (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
1. AMH 2010 U.S. History: 1492-1877 3 hrs
   may be substituted with:
   2. AMH 2020 U.S. History: 1877-Present 3 hrs
   may be substituted with:
   1. AMH 2010 is a prerequisite for subsequent American History courses.
   2. AMH 2020 is a prerequisite for subsequent American History courses.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 15 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring 15 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 16 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- GEP 3 hrs
- Core Course 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring 16 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
- HIS 4150 History and Historians 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
Hospitality Management (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
None

Degree Requirements
None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required MAC 1105C College Algebra 3 hrs
   Select 1:
   Required CGS 2100C Computer Fundamentals for Business or
   Required STA 2023 Statistical Methods I 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level (34 hrs)
   Hospitality Management Core 34 hrs
   FSS 2221C Techniques of Food Preparation 4 hrs
   HFT 3540 Guest Services Management I 3 hrs
   HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
   HFT 2500 Hospitality and Tourism Marketing 3 hrs
   HFT 2220 Hospitality Human Resources Management 3 hrs
   HFT 3444 Hospitality Information Systems 3 hrs
   HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
   HFT 4464 Hospitality Industry Finance 3 hrs
   HFT 4286 Hospitality Communications 3 hrs
   HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
   Quantitative Tools
   MAC 1105C College Algebra GEP
   Select 1:
   CGS 2100C Computer Fundamentals for Business or
   STA 2023 Statistical Methods I GEP
   Select 1:
   ECO 2013 Principles of Macroeconomics or
   ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (21 hrs)
   Sectoral Core (Choose 6 of the Following 7) 18 hrs
   Select 6:
   HFT 2254 Lodging Operations or
   HFT 3700 Tourism Management or
   HFT 2750 The Event Industry or
   HFT 3263 Restaurant Management or
   HFT 3273 Principles of Resort Timesharing or
   HFT 4755 Theme Park and Attraction Management or
   HFT 4277 Yacht, Country, And City Club Management 3 hrs
   Internships
   HFT 3940 Internship I 1 hr
   HFT 4941 Internship II 1 hr
   HFT 4944 Internship III 1 hr

5. Restricted Electives (15 hrs)
   Students should select 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 4286C Catering and Banquet Organization 3 hrs
   HFT 3353 Golf Planning & Operations I 3 hrs
   HFT 3354 Agronomy for Golf Course Management 3 hrs
   HFT 3355 Golf Planning & Operations II 3 hrs
   HFT 3357 Golf & Club Event Operations 3 hrs
   HFT 3384 Golf and Club Enterprises Management 3 hrs
   HFT 3654 Franchising in the Restaurant Industry 3 hrs
   HFT 3741 Meeting Management 3 hrs
   HFT 3798 Pairs and Festivals 3 hrs
   HFT 3868 History and Culture of Wine 3 hrs
   HFT 4253 Advanced Lodging Operations 3 hrs
   HFT 4266 Hospitality 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 Management 3 hrs
   HFT 4398 Golf & Club Facility Design 3 hrs
   HFT 4432 Hospitality Industry Auditing 3 hrs
   HFT 4473 Hospitality 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 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.

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Theme Park and Attraction Management Track 15 hrs
HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry or 3 hrs
HFT 4614 Risk Management in Theme Parks and Attractions or 3 hrs
HFT 4759 Product Development in Theme Parks and Attractions or 3 hrs
HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry or 3 hrs
HFT 4787 Operational Issues in the Theme Park and Attraction Industry or 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs

Golf and Club Management Track 15 hrs
HFT 3353 Golf Planning & Operations I or 2 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 admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
■ None
8. Electives
■ 3-11 hours as necessary to result in 120 total credit hours.
9. Additional Requirements
■ Final exams will be given during Exam Week only.
■ Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.
10. Required Minors
■ None
11. Departmental Exit Requirements
■ None
12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
Total Semester Hours Required
■ 120
Honors In Major
■ None
Related Programs
■ None
Certificates
■ None
Related Minors
■ None
Advising Notes
■ None
Transfer Notes
■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
■ Florida College System students are encouraged to complete the general education requirements prior to transferring to UCF.

A minimum of 30 semester hours must be completed at UCF within the hospitality major.
Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall 12 hrs
ENC 1101 Composition I 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

Select 1: 3 hrs
CGS 2100C Computer Fundamentals for Business or 3 hrs
STA 2023 Statistical Methods I 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 15 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MAC 1105C College Algebra 3 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
ANT 2511 The Human Species 3 hrs

Sophomore Year - Fall 15 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
AST 2002 Astronomy 3 hrs

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

Select 1: 3 hrs
HFT 2254 Lodging Operations or 3 hrs
HFT 2750 The Event Industry 3 hrs

Sophomore Year - Spring 13 hrs
FSS 2221C Techniques of Food Preparation 4 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 2254 Lodging Operations 3 hrs
ANT 2511 The Human Species 3 hrs

Junior Year - Fall 14 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3940 Internship I 1 hr

Junior Year - Spring 16 hrs
HFT 4941 Internship II 1 hr

Select 4: 12 hrs
HFT 3444 Hospitality Information Systems or 3 hrs
HFT 2750 The Event Industry or 3 hrs
HFT 3700 Tourism Management or 3 hrs
HFT 3263 Restaurant Management or 3 hrs
HFT 3273 Principles of Resort Timesharing or 3 hrs
HFT 4755 Theme Park and Attraction Management or 3 hrs
HFT 4277 Yacht, Country, And City Club Management 3 hrs

Senior Year - Fall 15 hrs
HFT 4286 Leadership and Strategic Management in Hospitality Industry 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4944 Internship III 1 hr

Senior Year - Spring 15 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Human Communication (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Dr. Jim Katt, Area Coordinator, james.katt@ucf.edu
Nicolson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- None

Degree Requirements
- Students who change degree programs (other than from COM Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internships, co-op, and independent study credits combined.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Select 1: (3 hrs)
   Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
   Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)

   C: Mathematical Foundations (6 hrs)
   Statistics:
   Required STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   Required STA 2014C Principles of Statistics 3 hrs
   Math:
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs

   D: Social Foundations (6 hrs)

   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (3 hrs)
   Speech
   SPC 1008 Fundamentals of Oral Communication or GEP
   SPC 1603C Fundamentals of Technical Presentations GEP

Statistics:
- STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Computer Science:
- CGS 100C Introduction to Computers or 3 hrs
- CGS 2100C Computer Fundamentals for Business or 3 hrs
- CGS 2585C Desktop/Internet Publishing or 3 hrs
- CGS 3175 Internet Applications 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
   Take all of the following: (12 hrs)
   COM 3011C Communication and Human Relations and 3 hrs
   COM 3120 Organizational Communication and 3 hrs
   COM 3311 Communication Research Methods and 3 hrs
   SPC 3301 Interpersonal Communication 3 hrs

5. Restricted Electives (27 hrs)

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - Met by graduation requirement.
- Graduation
  - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
  - Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

8. Electives
- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

9. Additional Requirements
- None

10. Required Minors
- None
11. Departmental Exit Requirements
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None
- Human Communication
- Mass Communication

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

### Freshman Year - Fall (13 hrs)
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

### Freshman Year - Spring (13 hrs)
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

### Sophomore Year - Fall (15 hrs)
- Core-Computer Science 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective (Consider a minor) 3 hrs

### Sophomore Year - Spring (15 hrs)
- COM 3311 Communication Research Methods 3 hrs
- COM 3011C Communication and Human Relations 3 hrs
- GEP 3 hrs
- Elective (Consider a minor) 3 hrs

### Senior Year - Fall (15 hrs)
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

### Senior Year - Spring (10 hrs)
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 4 hrs

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

### Humanities (B.A.)

#### College of Arts and Humanities

#### Department of Philosophy,

Psychology Building, Room: 220

http://philosophy.cah.ucf.edu/

Email: philosophy2@ucf.edu

Dr. Harry Coverston

Phone: 407-823-2273

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a C (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses used to fulfill another major may be simultaneously applied to the B.A. in Humanities.

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

A: **Communication Foundations** (9 hrs)
- Suggested HUM 2210 Humanistic Traditions I 3 hrs
- Suggested HUM 2230 Humanistic Traditions II 3 hrs

B: **Cultural & Historical Foundations** (9 hrs)
- Prefer PHI 2010 Introduction to Philosophy or 3 hrs
- Prefer REL 2300 World Religions 3 hrs

**Select 1:**
- 3 hrs
### Core Requirements: Basic Level (6 hrs)
- **HUM 2210** Humanistic Tradition I (GEP)
- **HUM 2230** Humanistic Tradition II (GEP)
- **HUM 2020** Encountering the Humanities (3 hrs)
- **HUM 4933** Senior Research Seminar (3 hrs)

### 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)**
  - **ARH 4310** Italian Renaissance Art or 3 hrs
  - **ARH 4170** Greek & Roman Art or 3 hrs
  - **REL 3403** Christlikeness or 3 hrs
  - **REL 3320** Moses, Jesus and Muhammad or 3 hrs
  - **CLT 3370** Classical Mythology or 3 hrs
  - **CLT 3378** Comparative Mythology or 3 hrs
  - **JST 3401** Jewish People in Antiquity or 3 hrs
  - **REL 3432** Roots of Western Mysticism or 3 hrs
  - **PHI 3100** Ancient Philosophy or 3 hrs
  - **PHI 3200** Medieval Philosophy or 3 hrs
  - **PHI 3460** Modern Western Philosophy or 3 hrs

#### World Intellectual Traditions (6 hrs)
- **ANT 3245** Native American Religions or 3 hrs
- **HUM 3401** Asian Humanities or 3 hrs
- **REL 3333** Hinduism or 3 hrs
- **REL 3363** Islam or 3 hrs
- **HUM 3460** Latin American Humanities or 3 hrs
- **PHI 3790** African Philosophy or 3 hrs
- **PHP 3781** African-American Philosophy or 3 hrs
- **REL 3340** Buddhist Thought or 3 hrs

#### Foundations (3 hrs)
- **HUM 4301** The Classical Ideal or 3 hrs

#### Select 2: (6 hrs)
- **HUM 3431** Ancient Humanities or 3 hrs
- **HUM 3435** Medieval Humanities or 3 hrs
- **HUM 3255** Modern Humanities or 3 hrs

- **Note:** Only one of these courses may be taken.

#### Multicultural Humanities (24 hrs)
- **Select 1:** (3 hrs)
  - **HUM 3320** Contemporary Multicultural Studies or 3 hrs
  - **HUM 3431** Ancient Humanities or 3 hrs
  - **HUM 3435** Medieval Humanities or 3 hrs

#### Traditions and Applications (15 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.**

#### 6. Capstone Requirements
- **None**

#### 7. Foreign Language Requirements
- **None**

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

Total Semester Hours Required

- 120

Honors In Major (33 hrs)
- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major.
- Requirements are as follows:
  - Honors Thesis
    - HUM 4903H Honors Directed Reading I 3 hrs
    - HUM 4970H Undergraduate Honors Thesis 3 hrs

Additional Requirements
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a “B” (3.0) or better in both of the following:
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

Core and Elective Requirements 33 hrs
- Same requirements as for regular majors.

Related Programs
- Humanities - Philosophy, Religion, & Popular Culture Track
- Philosophy
- Religion and Cultural Studies

Certificates
- None

Related Minors
- Environmental Studies
- Humanities
- Philosophy
- Religion and Cultural Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.
- 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
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- Foreign Language 4 hrs

Select 1: 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 12 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 16 hrs
- HUM 4933 Senior Research Seminar 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs

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

Equipment Fees
- Full-Time Student:

Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

http://philosophy.cah.ucf.edu/

Email: philosophy2@ucf.edu

Dr. Harry Coverston, Harry.Coverston@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 designed in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Suggested: HUM 2210 Humanistic Tradition I 3 hrs
   Suggested: HUM 2230 Humanistic Tradition II 3 hrs
   Suggested: REL 2300 World Religions or 3 hrs
   Suggested: PHI 2010 Introduction to Philosophy 3 hrs

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C: Mathematical Foundations (6 hrs)
Math
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers 3 hrs
Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
None

3. Core Requirements: Basic Level
HUM 2210 Humanistic Tradition I GEP
HUM 2230 Humanistic Tradition II GEP
PHI 2010 Introduction to Philosophy

4. Core Requirements: Advanced Level (18 hrs)
Core Requirements
Theoretical Foundations 6 hrs
PHI 3684 Ways of Living and Knowing 3 hrs
PHI 4341 Ways of Knowing 3 hrs

Philo 3670 Ethical Theory or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 4814 Critical Theory or 3 hrs
PHI 4300 Theories of Knowledge or 3 hrs
PHI 2108 Critical Thinking or 3 hrs
PHI 3720 Faith and Reason or 3 hrs
PHI 3100 Freedom and Justice or 3 hrs
PHI 3800 Aesthetics or 3 hrs
PHI 3786 Existentialism 3 hrs

Religion 6 hrs
CLT 3378 Comparative Mythology or 3 hrs
REL 3403 Christianity or 3 hrs
REL 3320 Moses, Jesus and Muhammad or 3 hrs
REL 3333 Hinduism or 3 hrs
REL 3363 Islam or 3 hrs
PHI 3750 The Problem of Evil 3 hrs

Popular Culture Studies 12 hrs
Contemporary Media 6 hrs
HUM 3320 Contemporary Multicultural Studies or 3 hrs
HUM 4330 Performance Theory or 3 hrs
PHI 3625 Virtual Ethics or 3 hrs
PHI 4931 Philosophy in the News or 3 hrs
PDS 3235 Mass Media and Politics or 3 hrs
PDS 3258 Politics in Film or 3 hrs
REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
REL 3111 Religion and Philosophy Through Film or 3 hrs
SYP 3630 Popular Culture In Society 3 hrs

Contemporary Forms of Life 6 hrs
ANT 3302 Sex, Gender and Culture or 3 hrs
HUM 3252 Contemporary Humanities or 3 hrs
PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3629 Family Values or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
PHI 3401 Philosophy of Law or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3020 Philosophy of Love or 3 hrs
PHI 3123 Feminist Theories or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
REL 3130 Religion in America or 3 hrs
HUM 4823 Queer Theory in the Humanities 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 requirements prior to registering for your last term.

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

Total Semester Hours Required
120

Honors In Major
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

b. Honors Thesis 6 hrs
HUM 4903H Honors Directed Reading I 3 hrs
HUM 4970H Undergraduate Honors Thesis 3 hrs

C. Additional Requirements of Honors in the Major
Application and admission through the Humanities Honors Coordinator
Fulfill University requirements for Honors in the Major
Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
Successful completion and oral defense of Honors thesis
No more than 2 courses (i.e., 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities: Philosophy, Religion & Popular Culture may be simultaneously applied to fulfill another major.
Earn a “B” (3.0) or better in both of the following:
HUM 4903H Honors Directed Reading I 3 hrs
HUM 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
Humanities
Philosophy
Religion and Cultural Studies


UCF Degree Programs

Certificates
- None

Related Minors
- Digital Humanities
- Philosophy
- Religion and Cultural Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

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

Equipment Fees
- Part-Time Student: 

Industrials 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
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete all coursework to meet the minimum GPA of 2.250 required for the major, together with the restricted electives and senior design courses listed below.

Degree Requirements
- Each engineering student is assigned a qualified engineering advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions to ensure that the requirements are being met.

E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
- Prefer ECO 2013 Principles of Microeconomics 3 hrs
- Prefer ECO 2023 Principles of Macroeconomics 3 hrs
- Select one class from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required PHY 2049C Physics for Engineers & Scientists I 4 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 2311C Calculus with Analytic Geometry I GEP
-Required 1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
-Required 1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
-Required 1 MAP 2302 Ordinary Differential Equations I 3 hrs
-Required 1 PHY 2048C Physics for Engineers & Scientists I GEP
-Required 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1:
- Select 1: 4 hrs
- Prefer CHS 1440 Fundamentals of Chemistry for Engineers or 4 hrs
- Required 1 CHM 2045C Chemistry Fundamentals I 4 hrs
- A 2.0 cumulative GPA or better is required for this course.
- 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.

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, ESP, or STA.

EIN 4234 Engineering Administration 3 hrs
- Preferred EIN 4624 Engineering Administration 3 hrs

STA 3032 Probability and Statistics for Engineers 3 hrs
- Preferred STA 3034 Probability and Statistics for Engineers 3 hrs

EIN 3314 Work Analysis and Design Computers 3 hrs
- Preferred EIN 4626C Industrial Engineering Applications of Computers 3 hrs

EIN 4243 Human Engineering 3 hrs
- Preferred EIN 4354 Facilities Planning 3 hrs

EIN 4391 Manufacturing Engineering 3 hrs
- Preferred EIN 4393 Project Management 3 hrs

EIN 4221 Empirical Methods for Industrial Engineering 3 hrs
- Preferred EIN 4428 Computer Simulation 3 hrs

EIN 4324 Quality Engineering 3 hrs
- Preferred EIN 4625 Quality Engineering 3 hrs

EIN 4336 Operations Research 3 hrs
- Preferred EIN 4622C Systems Simulation 3 hrs

EIN 4517 Systems Engineering 3 hrs
- Preferred EIN 4623C Systems Simulation 3 hrs

EGN 3310 Engineering Analysis-Statics 3 hrs
- Preferred EIN 4312 Structural Analysis 3 hrs

EIN 3321 Introduction to Programming with C 3 hrs
- Preferred EGN 4321 Engineering Analysis-Dynamics 3 hrs

EGN 3373 Principles of Electrical Engineering 3 hrs
- Preferred EGN 4312 Principles of Electrical Engineering 3 hrs

EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
- Preferred EIN 4223 Introduction to Management Systems 1 hr

MAS 3105 Matrix and Linear Algebra 4 hrs
- Preferred EIN 4223 Introduction to Management Systems 1 hr

EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs
- Preferred EIN 4622C Systems Simulation 3 hrs

Select 1:  
EGN 3358  Thermo-Fluids-Heat Transfer or  3 hrs  
EGN 3343  Thermodynamics  3 hrs  

1 Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

5. Restricted Electives (7 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 (3 hrs)  
EIN 4891C  Industrial Engineering Senior Design  3 hrs  
Project

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

Total Semester Hours Required  
- 128

Honors In Major  
- None

Related Programs  
- Mechanical Engineering

Certificates  
- None

Related Minors  
- None

Advising Notes  
- None

Transfer Notes  
- Courses taken from Florida College System institutions 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 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  
ENC 1101  Composition I  3 hrs  
EGN 1006C  Introduction to the Engineering Profession  1 hr  
MAC 2311C  Calculus with Analytic Geometry I  4 hrs  
CHS 1440  Fundamentals of Chemistry for Engineers  4 hrs

Freshman Year - Spring  
ENC 1102  Composition II  3 hrs  
EGN 1007C  Engineering Concepts and Methods  1 hr  
MAC 2312  Calculus with Analytic Geometry II  4 hrs  
PHY 2048C  Physics for Engineers & Scientists I  4 hrs

Freshman Year - Summer  
COP 3223  Introduction to Programming with C  3 hrs

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

Select 1  
SPC 1603C  Fundamentals of Technical Presentations or  3 hrs  
SPC 1608  Fundamentals of Oral Communication  3 hrs

Sophomore Year - Fall  
MAC 2313  Calculus with Analytic Geometry III  4 hrs  
PHY 2049C  Physics for Engineers and Scientists II  4 hrs  
STA 3023  Probability and Statistics for Engineers  3 hrs  
EIN 2002  Introduction to Industrial Engineering and Management Systems  1 hr  
GEP  3 hrs

Sophomore Year - Spring  
MAP 2302  Ordinary Differential Equations I  3 hrs  
EGN 3310  Engineering Analysis-Statics  3 hrs  
MAS 3105  Matrix and Linear Algebra  4 hrs  
EIN 3351  Engineering Economic Analysis and Cost Engineering  3 hrs

Sophomore Year - Summer  
GEP  3 hrs  
EGN 3321  Engineering Analysis-Dynamics  3 hrs  
GEP  3 hrs

Junior Year - Fall  
EIN 3314  Work Analysis and Design  3 hrs  
ESI 4312  Operations Research  3 hrs  
ESI 4628C  Industrial Engineering Applications of Computers  3 hrs  
ESI 4234  Quality Engineering  3 hrs

Junior Year - Spring  
ESI 4221  Empirical Methods for Industrial Engineering  3 hrs  
EIN 4333  Production and Distribution Systems  3 hrs  
EIN 4391  Manufacturing Engineering  3 hrs  
EIN 4243C  Human Engineering  3 hrs

Junior Year - Summer  
GEP  3 hrs  
GEP  3 hrs  
EGN 3343  Thermodynamics  3 hrs

Senior Year - Fall  
Restricted Elective  4 hrs  
EGN 4524  Engineering Administration  3 hrs  
ESI 4533C  Systems Simulation  3 hrs  
EIN 4364  Facilities Planning  3 hrs

Senior Year - Spring  
EIN 4891C  Industrial Engineering Senior Design Project  3 hrs  
GEP  3 hrs  
EGN 3373  Principles of Electrical Engineering  3 hrs  
EIN 4517  Systems Engineering  3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $38 per term
- Full-Time Student: $77 per term

Information Technology (B.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center, Room: 346
http://www.eecs.ucf.edu/
Email: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
Julie Faris
Phone: 407-823-3327

Admission Requirements
- None

Degree Requirements
- "C" (2.0) or better required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.
- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the Department of EECS 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 1603C Fundamentals of Technical Presentations or 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   - Required STA 2023 Statistical Methods I 3 hrs
   Select 1: 3 hrs
   - Suggested MAC 1105C College Algebra or 3 hrs
   - Suggested MAC 1140 Pre-Calculus Algebra 3 hrs

   D: Social Foundations (6 hrs)
   - Required ECO 2013 Principles of Macroeconomics 3 hrs
   - Required PSY 2012 General Psychology 3 hrs

   E: Science Foundations (7 hrs)
   - Required PHY 2053C College Physics I 4 hrs
   - Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
   - "A "C" (2.0) or better is required in all these courses.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - MAC 114C College Trigonometry 3 hrs
   - ECO 2013 Principles of Macroeconomics GEP
   - PSY 2012 General Psychology GEP
   - PHY 2053C College Physics I GEP
   - COP 3223 Introduction to Programming with C 3 hrs
   - COP 3330 Object Oriented Programming 3 hrs
   - CIS 2690 Introduction to Information Systems 3 hrs
   - STA 2023 Statistical Methods I 3 hrs
   Select 1: 3 hrs
   - MAD 2104 Foundations of Discrete Math or 3 hrs
   - COT 3100C Introduction to Discrete Structures 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (52 hrs)
   - "A "C" (2.0) or better is required in all these courses.

   Core Requirements (46 hrs)
   - COP 3902C Computer Science I 3 hrs
   - CIS 3360 Security in Computing 3 hrs
   - CAP 4104 Human and Technology Interaction 3 hrs
   - CIS 3269 Computer Architecture Concepts 3 hrs
   - CNT 3004 Computer Network Concepts 3 hrs
   - CIS 4503 Fundamentals of Information Technology 3 hrs
   - CIS 4513 Managing IT Integration 3 hrs
   - CNT 4714 Enterprise Computing 3 hrs
   - CIS 4004 Web-Based Information Technology 3 hrs
   - CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
   - COP 4910 Frontiers in Information Technology 3 hrs
   - PHI 3626 Advanced Ethics in Science and Technology 3 hrs
   - CDS 3763 Operating System Concepts 3 hrs
   - CNT 4603 System Administration and Maintenance 3 hrs
   - PHY 2554C College Physics II 4 hrs

Support Courses (6 hrs)
   - "A "C" (2.0) or better is required in all these courses.

   Select 1: 3 hrs
   - ENC 4293 Documentation and the Collaborative Process or 3 hrs
   - ENC 4265 Writing for the Computer Industry or 3 hrs
   - ENC 4414 Writing and Hypertext or 3 hrs
   - ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs

   Select 2: 3 hrs
   - ENC 3241 Writing for the Technical Professional or 3 hrs
   - ENC 3211 Theory and Practice of Technical Writing or 3 hrs
   - ENC 3250 Professional Writing 3 hrs

5. Restricted Electives (6 hrs)
   - Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs.
   - "A "C" (2.0) or better is required in all these courses.

6. Capstone Requirements
   - None

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

   Graduation
   - None

8. Electives
   - Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Complete an exit interview with an assigned faculty advisor

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science
UCF Degree Programs

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.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- COP 2223 Introduction to Programming with C 3 hrs
- Select 1: College Algebra or Pre-Calculus Algebra 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs
- COP 3502C Computer Science I 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- PSY 2012 General Psychology 3 hrs

Sophomore Year - Fall
- MAD 2104 Foundations of Discrete Math 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- PHY 2053C College Physics I 4 hrs
- CIS 3003 Fundamentals of Information Technology 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- CGS 3269 Computer Architecture Concepts 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- CGS 2545C Database Concepts 3 hrs
- GEP 3 hrs

Junior Year - Fall
- CAP 4104 Human and Technology Interaction 3 hrs
- PHY 2054C College Physics II 4 hrs
- CNT 3004 Computer Network Concepts 3 hrs
- CIS 3360 Security in Computing 3 hrs
- Select 1: Writing for the Technical Professional or Theory and Practice of Technical Writing or Professional Writing 3 hrs

Junior Year - Spring
- CIS 4313 Managing IT Integration 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology 3 hrs
- GEP 3 hrs
- CGS 3763 Operating System Concepts 3 hrs

Senior Year - Fall
- CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
- CIS 4004 Web-Based Information Technology 3 hrs
- Restricted Elective 3 hrs
- Free Elective 4 hrs
- CNT 4603 System Administration and Maintenance 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Free Elective 4 hrs
- COP 4910 Frontiers in Information Technology 3 hrs
- CNT 4714 Enterprise Computing 3 hrs

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

Equipment Fees
- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

Interdisciplinary Studies (B.A. / B.S.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
- Co-op credit cannot be used in this major.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internship will not be counted towards the major.
- Students must earn at least a "C" (2.0) in each core and restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser to enter the program.
- 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)
UCF Degree Programs

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.

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, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women's Studies Track

Certificates
- None

Related Minors
- Most UCF minors

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

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

Interdisciplinary Studies - Environmental Studies Track (B.S.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom Building I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major.
## UCF Degree Programs

### Life Sciences

- **Course**: BSC 2010C  Biology I  GEP
- **Course**: BSC 2011C  Biology II  4 hrs
- **Course**: PCB 3044  Principles of Ecology  3 hrs
- **Course**: PSC 1121  Physical Science  3 hrs
- **Course**: STA 2023  Statistical Methods I  GEP

### Social Science & Humanities

- **Course**: SYG 2000  Introduction to Sociology  3 hrs
- **Course**: ECO 2023  Principles of Microeconomics  3 hrs

### Physical/Mathematical Sciences

- **Course**: CHM 2045C  Chemistry Fundamentals I  GEP
- **Course**: MAC 1105C  College Algebra  3 hrs
- **Course**: PSC 1121  Physical Science  3 hrs
- **Course**: STA 2023  Statistical Methods I  GEP

### Life Sciences

- **Course**: BSC 2010C  Biology I  GEP
- **Course**: BSC 2011C  Biology II  4 hrs
- **Course**: PCB 3044  Principles of Ecology  3 hrs
- **Course**: PCB 3044L  Principles of Ecology Laboratory  1 hr

### Social Science & Humanities

- **Course**: SYG 2000  Introduction to Sociology  GEP
- **Course**: ECO 2023  Principles of Microeconomics  GEP

### Environmental Studies Fundamentals

- **Course**: IDS 3150  Foundations of Environmental Studies  3 hrs
- **Course**: ECP 3043C  GIS for Environmental Studies  3 hrs
- **Course**: GIS 4301C  Advanced GIS Applications in Environmental Studies  4 hrs
- **Course**: PUP 3204  Sustainability  3 hrs
- **Course**: SYD 4510  Urban and Environmental Policy  3 hrs

### Restricted Electives

- **Course**: BCH 4053  Biochemistry I  3 hrs
- **Course**: BCH 4054  Biochemistry II  3 hrs
- **Course**: BOT 3152C  Local Flora  3 hrs
- **Course**: BOT 3802  Ethnobotany  3 hrs
- **Course**: BOT 4303C  Plant Kingdom  5 hrs
- **Course**: BOT 4713C  Plant Taxonomy  5 hrs
- **Course**: BSC 4312C  Advanced Marine Biology  4 hrs
- **Course**: CHM 3120  Analytical Chemistry  3 hrs
- **Course**: OCE 3008  Oceanography  3 hrs
- **Course**: PCB 3063  Genetics  3 hrs
- **Course**: PCB 3442  Aquatic Ecology  3 hrs
- **Course**: PCB 4883  Evolutionary Biology  4 hrs
- **Course**: PCB 4723  Animal Physiology  4 hrs
- **Course**: PCB 5045  Conservation Biology  4 hrs
- **Course**: PCB 5226C  Ecosystems of Florida  5 hrs

### Values, Planning, & Policy Concentration

- **Course**: ANT 3541  Biobehavioral Anthropology  3 hrs
- **Course**: BOT 3802  Ethnobotany  3 hrs
- **Course**: ECO 4303  Environmental and Natural Resource Economics  3 hrs
- **Course**: ENC 3211  Theory and Practice of Technical Writing  3 hrs
- **Course**: ENC 3241  Writing for the Technical Professional  3 hrs
- **Course**: ENC 4360  Nature Writing  3 hrs
- **Course**: INR 4361  International Environmental Law  3 hrs
- **Course**: PAD 3330  Urban and Regional Planning  3 hrs
- **Course**: PAD 4351  Issues in Environmental Program  3 hrs
- **Course**: PHI 3033  Philosophy, Religion, and the Environment  3 hrs
- **Course**: PHI 3640  Environmental Ethics  3 hrs
- **Course**: PHI 4400  Philosophy of Science  3 hrs
- **Course**: PHI 4633  Ethics and Biological Science  3 hrs
- **Course**: PHM 4031  Environmental Philosophy  3 hrs
- **Course**: PLA 4554  Environmental Law  3 hrs
- **Course**: PUP 3204  Sustainability  3 hrs
- **Course**: PUP 4209  Urban Environmental Policy  3 hrs

### 6. Capstone Requirements

- **Course**: None

### 7. Foreign Language Requirements

- **Admissions**: Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation
- **Graduation**: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

### 8. Electives

- **Course**: Select primarily from upper level courses, with adviser approval

### 9. Additional Requirements

- **Course**: None

### 10. Required Minors

- **Course**: None

### 11. Departmental Exit Requirements

- **Course**: A grade of “C” or above (2.0) is required for each course taken in the subject areas and core
- **Course**: Computer Competency is met by completing this major

### 12. University Minimum Exit Requirements

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

Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom Building I, Room: 302
Program in Women's Studies, Colbourn Hall, Room: 411
http://www.is.ucf.edu

Email: is@ucf.edu
Email: womens@ucf.edu
Interdisciplinary Studies Advising Team, 407-823-0144
Dr. M.C. Santana, 407-823-2260
Phone: 407-823-0144

Interdisciplinary Studies - Women's Studies track is a broadly based interdisciplinary curriculum that leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women's Studies Program in the College of Arts and Humanities.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women's Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in this track.
- Students must earn at least a "C" (2.0) in each required elective course.
- Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

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

2. Common Program Prerequisites (CPP)

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level
- None

5. Restricted Electives (36 hrs)
- Students must complete either the Womanist/Women of Color subject area or the Women's Studies Cognate subject area to satisfy the First Study Area.
- Students must complete one subject area from those specified in the Second Study Area below.
- Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
- Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

First Study Area - Womanist/Women of Color 18 hrs Area
- Take 18 hours from either the Womanist/Women of Color Area or from the Women's Studies Cognate Area

WST 3460  Women, Race and Struggle  3 hrs

Select 5: 15 hrs
- AML 3614  Topics in African-American Literature or 3 hrs
- ASH 4304  Women in China or 3 hrs
- AML 3682  Ethnic Literature in America or 3 hrs

Other courses approved by the Interdisciplinary Studies Advising Team

First Study Area - Women's Studies Cognate 18 hrs Area
- Take 18 hours from either the Womanist/Women of Color Area or from the Women's Studies Cognate Area

Select 6: 18 hrs
- Other courses may be utilized for this area with the permission of the director.
- Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women's Studies Director, some courses may substitute.

AML 3614  Topics in African-American Literature or 3 hrs
AML 3682  Ethnic Literature in America or 3 hrs
AML 4261  Literature of the South or 3 hrs
ANT 3212  Peoples of the World or 3 hrs
CCJ 4129  Cultural Diversity in Criminal Justice or 3 hrs
CCJ 4681  Domestic Violence and the Justice System or 3 hrs
EUH 3242  Modern Europe and the First World War or 3 hrs
HSC 3593  HIV Disease: A Human Concern or 3 hrs
LT 5556  Advanced Feminist Theories or 3 hrs
LIN 4643  Cross Cultural Communication or 3 hrs
PEM 2405  Self Defense for Women and Men or 3 hrs
Phi 3640  Environmental Ethics or 3 hrs
Phi 3670  Ethical Theory or 3 hrs
Phi 4300  Theories of Knowledge or 3 hrs
PUP 3314  Minorities in American Politics or 3 hrs
SOP 2772  Sexual Behavior or 3 hrs
SOP 3784  Psychology of Diversity or 3 hrs
SYD 3700  Race and Ethnicity or 3 hrs
SYD 4100  Family Trends or 3 hrs
SYD 4200  Religion in Society or 3 hrs
SYP 3630  Popular Culture In Society or 3 hrs
SYP 3650  Sports and Society or 3 hrs
SYP 4732  Minority Aging or 3 hrs
THE 4230  Cultural Diversity in Theater or 3 hrs

Second Study Area (from those below) 18 hrs
- See the Interdisciplinary Studies Advising Teams for details regarding each area: Arts, Behavioral and Social Sciences, Commerce, Communication, Computational Sciences, Education, Engineering, Health, Humanities, Letters and Modern Languages, Life/Biomedical, Physical Sciences, Public Affairs
6. Capstone Requirements
  - None

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement
   Graduation
   - Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
   - Note: Students entering without having met the admission requirement must do so in order to graduate.

8. Electives
   - Select primarily from upper level courses, with Interdisciplinary Studies advisor's approval. May be outside of Women's Studies.

9. Additional Requirements
   - None
   - Women's Studies

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A grade of "C" or above (2.0) is required for each course taken in each of the subject areas.
    - Computer Competency is met by departmental assessment, or the following courses:
      - CGS 1060C Introduction to Computers 3 hrs
      - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Interdisciplinary Studies

Certificates
- None

Related Minors
- Most UCF minors

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

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

International and Global Studies (B.A.)
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
politicalscience.cos.ucf.edu
Email: politics@ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Double major/dual degree policy in Political Science programs and minors:
- Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:
  - POS 2041 American National Government 3 hrs

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - Math: 3 hrs
     - Prefer MGF 1106 Finite Mathematics or 3 hrs
     - Prefer MGF 1107 Explorations in Mathematics or 3 hrs
     - May substitute a higher level math with appropriate scores on the Math Placement Exam.

   Statistics:
     - Prefer STA 2014C Principles of Statistics or 3 hrs
     - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
     - May substitute a more advanced STA course. 3 hrs

    D: Social Foundations (6 hrs)
    - Prefer POS 2041 American National Government 3 hrs
    - Required One course from GEP D.2 list 3 hrs

    E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level (6 hrs)
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - INR 2002 International Relations-Theory and Practice 3 hrs
   - POS 2041 American National Government 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   - CPO 3103 Comparative Politics 3 hrs
   - GEO 3471 World Political Geography 3 hrs
   - IDS 4315 Global Perspectives 3 hrs
   - INR 4603 International Relations Theory 3 hrs
   - POS 3703 Scope and Methods of Political Science 3 hrs
5. Restricted Electives (18 hrs)

- Note: Students must meet all prerequisites before taking these classes.
- Other courses may be substituted with the chair’s approval.

Regional 9 hrs
- Select from the following listing:
  - CPO 3034 Politics of Developing Areas 3 hrs
  - CPO 3104 Politics of Western Europe 3 hrs
  - CPO 3403 Politics of the Middle East 3 hrs
  - CPO 3614 Politics of Eastern Europe 3 hrs
  - CPO 4062 Comparative Judicial Process 3 hrs
  - CPO 4074 Political Economy 3 hrs
  - CPO 4101 Politics of the European Union 3 hrs
  - CPO 4123 Government and Politics of Great Britain 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - CPO 4514 Politics of East Asia 3 hrs
  - CPO 4553 Politics of Japan 3 hrs
  - CPO 4643 Government and Politics of Russia 3 hrs
  - CPO 4710 Women in Comparative Politics 3 hrs
  - INR 2530 Politics of Pan-Africanism

Functional 9 hrs
- Select from the following listing:
  - INR 3253 International Politics of Africa 3 hrs
  - INR 4030 Diplomacy 3 hrs
  - INR 4035 International Political Economy 3 hrs
  - INR 4054 Global Politics of Energy 3 hrs
  - INR 4060 Causes of War 3 hrs
  - INR 4074 Immigration Policy 3 hrs
  - INR 4075 Human Rights Policy 3 hrs
  - INR 4076 Global Drug Policy 3 hrs
  - INR 4084 Politics of International Terrorism 3 hrs
  - INR 4085 Women, Gender, and Globalization 3 hrs
  - INR 4102 American Foreign Policy 3 hrs
  - INR 4104 Topics and Cases in American Foreign Policy

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

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

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

- No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in International and Global Studies, provided that no more than 50% of an Area be covered by such credits.

9. Additional Requirements
- None

10. Required Minors
- Select from the following minors (18 hours min)
- No more than one course may be used to fulfill both this major and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Latin American Studies, Spanish, or Modern Language Combination.
- Note: The International Business Minor is only available to Business majors.

- Asian Studies
- Diplomacy
- Economics
- European Studies
- French
- Human Communication
- International Business
- Italian
- Latin American Area Studies
- Middle Eastern Studies
- Military Science
- Spanish
- World Comparative Studies

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major.

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

Total Semester Hours Required 120

Honors In Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs
- Anthropology
- Economics
- History

Certificates
- None

Related Minors
- Anthropology
- Economics
- History
- Psychology
- Sociology
- Philosophy

Advising Notes
- None
Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

Freshman Year - Fall
- POS 2041 American National Government 3 hrs
- ENC 1101 Composition I 3 hrs
- WOH 2012 World Civilization I 3 hrs
- GEP-Math 3 hrs
- Foreign Language 4 hrs
- Freshman Year - Spring
- INR 2002 International Relations-Theory and Practice 3 hrs
- WOH 2022 World Civilization II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall
- POS 3703 Scope and Methods of Political Science 3 hrs
- GEO 3471 World Political Geography 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Sophomore Year - Spring
- CPO 3103 Comparative Politics 3 hrs
- IDS 4315 Global Perspectives 3 hrs
- INR 4603 International Relations Theory 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Junior Year - Spring
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Free Elective 2 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

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

All prerequisites of courses taught within the College of Sciences will be enforced.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Composition: Complete both courses. 6 hrs
  - Required ENC 1101 Composition I and
  - Required ENC 1102 Composition II

Speech: Select one of the following. 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication or
  - Suggested SPC 1603C Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)
- Group 1: Select a course from group 1. 3 hrs
  - Prefer AMH 1020 U.S. History: 1492-1877 or
  - Prefer AMH 2020 U.S. History: 1877-Present

- Group 2: Select a course from group 2. 3 hrs

- Group 3: Select a third course from either group 1 or 2.

C: Mathematical Foundations (6 hrs)
- Statistics-Computers: 3 hrs
  - Suggested CGS 1000C Introduction to Computers or
  - Suggested STA 2014C Principles of Statistics

- Math: 3 hrs
  - Suggested MGF 1106 Finite Mathematics or
  - Suggested MGF 1107 Explorations in Mathematics

- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)
- Group 1: 3 hrs
  - Prefer POS 2041 American National Government

- Group 2: Select a listed course 3 hrs

E: Science Foundations (6 hrs)

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

Complete one of the following:
- SPC 1608 Fundamentals of Oral Communication or
- SPC 1603C Fundamentals of Technical Presentations

3. Core Requirements: Basic Level (12 hrs)
- Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
- These courses may be completed before acceptance into the program.
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

Core: Required, satisfies the CPP
- SPC 1608 Fundamentals of Oral Communication or
- SPC 1603C Fundamentals of Technical Presentations

Core: Additional requirements 12 hrs
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
  - JOU 2100C News Reporting and
  - JOU 3004 History of American Journalism and
  - MMC 2004 Mass Media and
  - JOU 3015 Principles of Journalism

4. Core Requirements: Advanced Level (6 hrs)
- These courses may be completed either before or after acceptance into the program.
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
  - JOU 4700 Journalism Ethics
  - MMC 3200 Mass Communication Law

5. Restricted Electives (18 hrs)
- These courses can only be completed after acceptance into the program.

Writing/Editing: Select from the following: 9 hrs
- JOU 3101 Advanced Reporting
- JOU 3130 In-Depth Reporting
- JOU 3184C Metro Reporting
- JOU 3201 Editing I
- JOU 3202 Editing II
- JOU 3313C Sports Reporting
- JOU 4181 Public Affairs Reporting
- JOU 4224 Magazine Editing and Production
- JOU 4300 Feature Writing
- JOU 4308C Critical Writing
- JOU 4309 Freelance Writing
- JOU 4941 Internship

Internships must be approved in advance by the Journalism Area Coordinator

Visual Journalism: Select from the following 9 hrs
- JOU 3510 Magazine Publishing
- JOU 4211C Informational Graphics
- JOU 4213C Page Design
- JOU 4340C Online Journalism I
- JOU 4341C Online Journalism II
- JOU 4342C Multimedia Journalism
- PGY 3610C Photojournalism I
- PGY 3620C Photojournalism II
- PGY 3630 Internship

Internships must be approved in advance by the Journalism Area Coordinator

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

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

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts and Sciences to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Area Coordinator.

- The minor must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
- Acceptance of portfolio by faculty.
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None

Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- Writing and Rhetoric
- History
- Magazine Journalism
- Political Science
- Sociology

Advising Notes
- It is the student’s responsibility to ensure that course prerequisites have been satisfied before registering for a class.
- Students are urged to contact their school advisor before registering for courses.

Transfer Notes
- Lower division courses 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 TransferCourses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 13 hrs
- ENC 1101  Composition I  3 hrs
- GEP-Math  3 hrs
- GEP  3 hrs
- Foreign Language  4 hrs

Freshman Year - Spring 13 hrs
- ENC 1102  Composition II  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- GEAP-Stat or CS  3 hrs
- Foreign Language  4 hrs

Sophomore Year - Fall 15 hrs
- MMC 2004  Mass Media  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- Elective-Minor  3 hrs

Sophomore Year - Spring 15 hrs
- Apply for admission by Feb 1
- JOU 2100C  News Reporting  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- Elective-Minor  3 hrs

Junior Year - Fall 15 hrs
- If admitted, take...
- JOU 3004  History of American Journalism  3 hrs
- MMC 3200  Mass Communication Law  3 hrs
- Restricted Elective  3 hrs
- Elective-Minor  3 hrs
- Elective-take outside of NSC  3 hrs

Junior Year - Spring 15 hrs
- JOU 3015  Principles of Journalism  3 hrs
- JOU 4700  Journalism Ethics  3 hrs
- Restricted Elective  3 hrs
- Elective-Minor  3 hrs
- Elective-take outside of NSC  3 hrs

Junior Year - Summer 3 hrs
- Restricted Elective-Iternship  3 hrs

Senior Year - Fall 15 hrs
- Submit Journalism Portfolio
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Elective-Minor  3 hrs
- Elective-Minor  3 hrs
- Elective-take outside of NSC  3 hrs

Senior Year - Spring 16 hrs
- Elective-take outside of NSC  3 hrs
- Elective-take outside of NSC  3 hrs
- Elective-take outside of NSC  4 hrs
- Elective-take outside of NSC  3 hrs
- Elective-take outside of NSC  3 hrs

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

Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term

Latin American Studies (B.A.)
College of Arts and Humanities
Program in Latin American Studies,
Colbourn Hall, Room: 112
http://las.cah.ucf.edu/
Email: latinamerica@ucf.edu
Phone: 407-823-1173

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 3001  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.
UCF Degree Programs

- Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - Required: ARH 2500 History of Western Art I 3 hrs
   - Select 2 Courses From B.1 Based On Area Selections 6 hrs
   - C: Mathematical Foundations (6 hrs)
   - Suggested STA 1083C Basic Statistics Using Microsoft Excel 3 hrs

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

2. Social Foundations (6 hrs)
   - Prefer ANT 2000 General Anthropology 3 hrs
   - Prefer POS 2041 American National Government 3 hrs

D: Science Foundations (6 hrs)
   - LAS 3001 Topics in Latin American Studies 3 hrs

E: Science Foundations (6 hrs)
   - None

3. Core Requirements: Basic Level (3 hrs)
   - LAS 3001 Topics in Latin American Studies 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
   - ANT 4532 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: 12 hrs

ANTHROPOLOGY
- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3161 Archaeology of Mexico 3 hrs
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3165 Ancient Incas 3 hrs
- ANT 3166 Archaeology of South America 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 3191 Anthropology of Diaspora 3 hrs
- ANT 3330 Cultural Ecology of Amazonia 3 hrs
- ANT 3344 Puerto Rican Culture 3 hrs
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs

HISTORY
- LAH 3130 Latin American History I 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAH 4136 Colonial Florida 3 hrs
- LAH 4512 Modern Argentina 3 hrs
- LAH 4461 History of Puerto Rico 3 hrs
- LAH 4480 History of Cuba 3 hrs
- LAH 4742 The Mexican Revolution 3 hrs
- LAH 4780 Poverty and Development in Latin America 3 hrs

Spanish and Spanish Literature
   - Students can choose from the extensive listing of upper level SPN and SPW courses. No more than six (6) hours can overlap between the major and the minor.

AREA TWO: 9 hrs
   - (Select no more than 6 credit hours of courses with the same prefix)

ART HISTORY
- ARH 2051 History of Western Art II 3 hrs
- ARH 3670 20th Century Latin American Art 3 hrs
- ARH 3673 Modern Art of Mexico 3 hrs
- ARH 3674 Latin American Popular Visual Culture 3 hrs
- ARH 4653 Meso American Art 3 hrs

ENGLISH
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- AML 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 4623 African Caribbean Experience 3 hrs

POLITICS
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- CPO 4074 Political Economy 3 hrs
- CPO 4794 Indigenous Politics and the Environment 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs

PUBLIC POLICY
- PUP 3314 Minorities in American Politics 3 hrs

6. Capstone Requirements
   - Required Experiential Learning (capstone experience, 0 - 3 hrs):
   - Students are required to complete a study or work experience in Latin American Studies. This may be fulfilled through participation in any one of the following:
     - A formal study-abroad program on Latin America of at least 45 contact hours equaling three hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three hours of academic Internship credit for this option may be available if authorized by the Program Director Internship on Latin American Studies.
     - Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, Nahua, or Quechua. As the latter languages are currently not taught at UCF, interested students would need to enroll in an off-campus program.
   - At the discretion of the Program Director, prior life, study, or work experience may be considered as satisfying this experiential learning requirement.

7. Foreign Language Requirements

Admissions
   - Foreign Language Requirement: (0 - 14 hrs)
   - LAS majors will have a proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures. Spanish or Portuguese preferred, although other Latin American languages may be acceptable with prior written consent of the LAS program director. Standardized examinations for foreign languages may be used to meet the requirement.

Graduation
   - None

8. Electives
   - Variable
   - Select primarily from upper level courses after meeting with an advisor. Courses may be outside the department.

9. Additional Requirements
   - None
10. Required Minors

- Required Minor: 18 hrs (minimum)
- LAS majors cannot minor in Anthropology, Art History, English, History, Humanities, Latin American Studies or Political Science. A second major in any of the disciplines listed below will satisfy the minor requirement. The LAS minor will continue to be available to non-LAS majors.
- Students will select a minor in consultation with the LAS Program Director. No more than six (6) hours can overlap between the major and the minor. The following are among the options to be considered:
  - Accounting
  - Digital Media
  - Economics
  - Emergency Management and Homeland Security
  - Energy and Sustainability
  - Environmental Studies
  - Finance
  - Health Informatics and Information Management
  - International Business
  - Leadership Studies
  - Marketing
  - Public Administration
  - Spanish
  - Technological Entrepreneurship
  - History
  - Urban and Regional Planning
  - Women’s Studies

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

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

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
<th>120</th>
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<tbody>
<tr>
<td>Honors In Major</td>
<td>None</td>
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Related Programs

- Anthropology
- History
- Political Science
- Modern Language Combination
- Art - History Track
- Interdisciplinary Studies

Certificates

- None

Related Minors

- No more than six (6) hours can overlap between the major and the minor
- Accounting
- Digital Media
- Economics
- Emergency Management and Homeland Security
- Energy and Sustainability
- Environmental Studies
- Finance
- Health Informatics and Information Management
- International Business
- Leadership Studies
- Marketing

- Music
- Public Administration
- Spanish
- Technological Entrepreneurship
- Urban and Regional Planning
- Women’s Studies

Advising Notes

- None

Transfer Notes

- Lower division courses 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

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

Legal Studies (B.A. / B.S.)

College of Health and Public Affairs

Department of Legal Studies,
Health & Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter
Phone: 407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies. Students must complete a minimum of four face-to-face Legal Studies courses in order to be eligible for Florida Paralegal Certification.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- 33 hours of PLA coursework must be taken at UCF.
- 2.0 in all PLA work at UCF and overall.

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

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

B: Cultural & Historical Foundations (9 hrs)
### C: Mathematical Foundations (6 hrs)
- PLA 3014 Law and the Legal System 3 hrs
- PLA 3018 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

### D: Social Foundations (6 hrs)
- MCB 1310 Introduction to Biotechnology and Genetic Engineering 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs
- REL 2300 World Religions 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

### E: Science Foundations (6 hrs)
- PLA 4230 Special Topics in Legal Studies 3 hrs
- PLA 4935 Capstone: Legal Issues 3 hrs

### 2. Common Program Prerequisites (CPP)
- None

### 3. Core Requirements: Basic Level
- None

### 4. Core Requirements: Advanced Level (18 hrs)
- All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.
  - PLA 3014 Law and the Legal System 3 hrs
  - PLA 3108 Legal Research 3 hrs
  - PLA 3155 Legal Writing 3 hrs
  - PLA 3205 Civil Practice and Procedure 3 hrs
  - PLA 3615 Property and Real Estate Law 3 hrs
  - PLA 4703 Professional Ethics and Liability 3 hrs

### 5. Restricted Electives (30 hrs)
- Upper Division Restricted Electives 21 hrs
  - 21 additional hours of Legal Studies coursework selected in consultation with an advisor.
- Supporting Courses 9 hrs
  - Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student's advisor. Students pursuing the B.S. degree must complete 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.
- 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.
Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Students must earn at least a 2.0 GPA in the major and COB.

Students in the Management major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Management, Entrepreneurship, and Human Resources courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Management, Entrepreneurship, and Human Resources courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Management, Entrepreneurship, and Human Resources GPA of 2.0 or higher. Readmission is not automatic.

Students majoring in Management must earn a grade of “C” (2.0) or better in the following courses and each course applied towards the major:

MAN 3025 Management of Organizations 4 hrs
MAN 4720 Strategic Management 4 hrs

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Required CGS 2100C Computer Fundamentals for Business
Prefer MAC 1105C College Algebra

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Required ANT 2000 General Anthropology or 3 hrs
Required PSY 2012 General Psychology or 3 hrs
Required SYG 2000 Introduction to Sociology 3 hrs

Select 2: 3 hrs
Required ECO 2013 Principles of Macroeconomics or 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
Must be completed with a “C” 2.0 or better
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:

Students who have not completed both MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.

ECO 3401 Quantitative Business Tools I 3 hrs
or
MAC 2233 Concepts of Calculus and 3 hrs
STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
None
UCF Degree Programs

4. Core Requirements: Advanced Level (32 hrs)
First or subsequent semester in the College of Business Administration:
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
  1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3301 Management of Human Resources and 3 hrs
- MAN 4240 Organizations: Theory and Behavior and Selection and 3 hrs
- MAN 4320 Human Resources Recruitment and 3 hrs
- MAN 4330 Compensation Administration and 3 hrs
- MAN 4350 Training and Development and 3 hrs

Required Elective Courses 9 hrs
- BUL 4540 Employment Law or 3 hrs
- GEB 3113 Creativity and Entrepreneurship or 3 hrs
- GEB 4110 Business Plan Preparation or 3 hrs
- GEB 4111 New Venture Finance or 3 hrs
- GEB 4435 Moral Foundations of Business or 3 hrs
- Any MAN Course 3 hrs

Restricted Elective Courses 24 hrs

- Human Resource Management Track 24 hrs
  Required Courses 15 hrs
  - MAN 3301 Management of Human Resources and 3 hrs
  - MAN 4240 Organizations: Theory and Behavior and Selection and 3 hrs
  - MAN 4320 Human Resources Recruitment and 3 hrs
  - MAN 4330 Compensation Administration and 3 hrs
  - MAN 4350 Training and Development and 3 hrs

- General Management Track 24 hrs
  Required Courses 15 hrs
  - MAN 3301 Management of Human Resources and 3 hrs
  - MAN 3520 Quality & Productivity Management and 3 hrs
  - MAN 4240 Organizations: Theory and Behavior and Selection and 3 hrs
  - MAN 4441 Conflict Resolution and Negotiation and 3 hrs
  - MAN 4701 Business Ethics and Society and 3 hrs

- Restricted Elective Courses 9 hrs
  - BUL 4540 Employment Law or 3 hrs
  - GEB 3113 Creativity and Entrepreneurship or 3 hrs
  - GEB 4110 Business Plan Preparation or 3 hrs
  - GEB 4111 New Venture Finance or 3 hrs
  - GEB 4435 Moral Foundations of Business or 3 hrs
  - Any MAN Course 3 hrs

- Entrepreneurship Track 24 hrs
  Required Courses 15 hrs
  - GEB 3113 Creativity and Entrepreneurship and 3 hrs
  - GEB 4110 Business Plan Preparation and 3 hrs
  - GEB 4111 New Venture Finance and 3 hrs
  - MAN 4802 New Venture and Small Business Management and 3 hrs
  - MAR 3765 Entrepreneurial Marketing and 3 hrs

- Restricted Elective Courses 9 hrs
  - BUL 4540 Employment Law or 3 hrs
  - GEB 4435 Moral Foundations of Business or 3 hrs
  - Any MAN course 3 hrs

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

1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- (variable)

9. Additional Requirements
- Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 120

Honors In Major
- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, at least two semesters remaining prior to graduation.
- Admission: Applications to the Honors in the Major program must be approved by the Associate Dean of the Honors College and the Management Department Chair.
- Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

- Honors in Major Credit Requirements 6 hrs
  Required Honors Reading Course 3 hrs
  MAN 4903H Honors Directed Reading I or 3 hrs
  MAN 4904H Honors Directed Reading II 3 hrs

- Required Honors Thesis 3 hrs
  MAN 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- None
- Certificates
- None

Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
**UCF Degree Programs**

- **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 may be substituted with: ACG X011
- ACG 2021 Principles of Financial Accounting may be substituted with: ACG X001

**Plan of Study**
- **Must complete 9 hours in a summer semester.**

### Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs
- Elective 3 hrs

### Freshman Year - Spring 15 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

### Sophomore Year - Fall 15 hrs
1. **ACG 2021 Principles of Financial Accounting** 3 hrs
2. **ECO 2023 Principles of Microeconomics** 3 hrs
3. **Science** 3 hrs
4. **Psy/Soc/Art** 3 hrs
5. **Elective** 3 hrs

1. “C” (2.0) or better required in each class.

### Sophomore Year - Spring 15 hrs
1. **ACG 2071 Principles of Managerial Accounting** 3 hrs
2. **ECO 2013 Principles of Macroeconomics** 3 hrs
3. **ECO 3401 Quantitative Business Tools I** 3 hrs
4. **Science** 3 hrs
5. **Elective** 3 hrs

1. “C” (2.0) or better required in each class.

### Human Resource Management Track

#### Junior Year - Fall 16 hrs
1. **GEB 3031 Cornerstone: Professional Skills for Business** 3 hrs
2. **GEB 3031L Cornerstone Lab: Professional Skills for Business** 1 hr
3. **GEB 3375 Introduction to International Business** 3 hrs
4. **MAN 3025 Management of Organizations** 3 hrs
5. **MAR 3023 Marketing** 3 hrs

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

#### Junior Year - Spring 15 hrs
1. **BUL 3130 Legal and Ethical Environment of Business** 3 hrs
2. **ECO 3411 Quantitative Business Tools II** 4 hrs
3. **FIN 3403C Business Finance** 4 hrs
4. **MAN 3301 Management of Human Resources** 4 hrs

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

### Senior Year - Fall 16 hrs
1. **MAN 4240 Organizations: Theory and Behavior** 3 hrs
2. **MAN 4320 Human Resources Recruitment and Selection** 3 hrs
3. **MAN 4330 Compensation Administration** 3 hrs
4. **MAR 3203 Supply Chain and Operations Management** 4 hrs
5. **Restricted Elective** 3 hrs

### Senior Year - Spring 16 hrs
1. **MAN 4360 Training and Development** 3 hrs
2. **MAN 4720 Strategic Management** 3 hrs
3. **Free Elective** 3 hrs
4. **Restricted Elective** 3 hrs
5. **Restricted Elective** 3 hrs

### Entrepreneurship Track

#### Junior Year - Fall 15 hrs
1. **GEB 3031 Cornerstone: Professional Skills for Business** 3 hrs
2. **GEB 3031L Cornerstone Lab: Professional Skills for Business** 1 hr
3. **GEB 3113 Creativity and Entrepreneurship** 3 hrs
4. **MAN 3025 Management of Organizations** 4 hrs
5. **MAR 3023 Marketing** 4 hrs

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

#### Junior Year - Spring 15 hrs
1. **BUL 3130 Legal and Ethical Environment of Business** 4 hrs
2. **ECO 3411 Quantitative Business Tools II** 4 hrs
3. **FIN 3403C Business Finance** 4 hrs
4. **MAN 4802 New Venture and Small Business Management** 3 hrs

### Senior Year - Fall 17 hrs
1. **GEB 3375 Introduction to International Business** 4 hrs
2. **GEB 3375L Cornerstone Lab: Professional Skills for Business** 1 hr
3. **MAR 3203 Supply Chain and Operations Management** 4 hrs
4. **MAR 3765 Entrepreneurial Marketing** 3 hrs
5. **Restricted Elective** 3 hrs

### Senior Year - Spring 16 hrs
1. **GEB 4110 Business Plan Preparation** 3 hrs
2. **MAN 4720 Strategic Management** 4 hrs
3. **Free Elective** 3 hrs
4. **Restricted Elective** 3 hrs
5. **Restricted Elective** 3 hrs

### General Management Track

#### Junior Year - Fall 16 hrs
1. **BUL 3130 Legal and Ethical Environment of Business** 4 hrs
2. **GEB 3031 Cornerstone: Professional Skills for Business** 3 hrs
3. **GEB 3031L Cornerstone Lab: Professional Skills for Business** 1 hr
4. **GEB 3031L Cornerstone Lab: Professional Skills for Business** 1 hr
5. **MAN 3025 Management of Organizations** 3 hrs
6. **MAR 3023 Marketing** 3 hrs

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

#### Junior Year - Spring 15 hrs
1. **BUL 3130 Legal and Ethical Environment of Business** 3 hrs
2. **ECO 3403C Business Finance** 4 hrs
3. **MAR 3203 Supply Chain and Operations Management** 4 hrs
4. **MAN 3520 Quality & Productivity Management** 3 hrs

### Senior Year - Fall 16 hrs
1. **MAN 3301 Management of Human Resources** 3 hrs
2. **MAN 4240 Organizations: Theory and Behavior** 3 hrs
3. **Restricted Elective** 3 hrs
4. **Restricted Elective** 3 hrs
5. **ECO 3411 Quantitative Business Tools II** 4 hrs

### Senior Year - Spring 16 hrs
1. **MAN 4441 Conflict Resolution and Negotiation** 3 hrs
2. **MAN 4701 Business Ethics and Society** 3 hrs
3. **MAN 4720 Strategic Management** 4 hrs
4. **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: $15 per term
- Full-Time Student: $30 per term

Marketing (B.S.B.A.)
College of Business Administration
Department of Marketing,
Business Administration II, Room: 101
http://www.bus.ucf.edu
Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.
- See Common Program Prerequisites

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class, and all prerequisites to marketing courses.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
- Students in the Marketing major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Marketing and Supply Chain Management courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Marketing and Supply Chain courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Marketing and Supply Chain courses in a subsequent term, that student will be dropped as an Marketing major. A student who is dropped may seek remittance as an Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a GPA of 2.0 or higher. Readmission is not automatic.
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Final exams will be given during Exam Week
- Students majoring in Marketing must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:
  - MAR 3023 Marketing 4 hrs
  - MAR 3203 Supply Chain and Operations Management 4 hrs

1. UCF General Education Program (GEP)
- Communication Foundations
  - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

2. Common Program Prerequisites (CPP)
- Must be completed with a "C" (2.0) or better
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level
- First or subsequent semester in the College of Business Administration:
  - Required Courses 15 hrs
    - MAR 3391 Professional Selling 3 hrs
    - MAR 3503 Consumer Behavior 3 hrs
    - MAR 3613 Marketing Analysis and Research 3 hrs
    - MAR 4603 Marketing Management 3 hrs
    - MAR 4604 Marketing Strategy 3 hrs

5. Restricted Electives
- (9 hrs)

B: Cultural & Historical Foundations (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Prefer MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)
- Select 1: Suggested ECO 2013 Principles of Microeconomics 3 hrs
- Suggested ECO 2023 Principles of Microeconomics 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 can take ECO 3401.
    - ECO 3401 Quantitative Business Tools I 3 hrs
    - or MAC 2233 Concepts of Calculus and Mathematical Methods I 3 hrs
    - STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level
- First or subsequent semester in the College of Business Administration:
  - Required Courses 15 hrs
    - MAR 3391 Professional Selling 3 hrs
    - MAR 3503 Consumer Behavior 3 hrs
    - MAR 3613 Marketing Analysis and Research 3 hrs
    - MAR 4603 Marketing Management 3 hrs
    - MAR 4604 Marketing Strategy 3 hrs

5. Restricted Electives
- (9 hrs)

General Marketing
- Select a minimum of 3 courses from the following list of courses:
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3641 Marketing Intelligence 3 hrs
  - MAR 3721 Digital Media Marketing 3 hrs
  - MAR 3765 Entrepreneurial Marketing 3 hrs
  - MAR 4156 International Marketing 3 hrs
  - MAR 4231 Retailing Management 3 hrs
  - MAR 4711 Sport Marketing 3 hrs
  - MAR 4712 Healthcare Marketing 3 hrs
  - MAR 4715 Entrepreneurship Marketing 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
  - MAR 4941 Marketing Internship 3 hrs
Professional Selling Track 9 hrs
- Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Department faculty committee will select a maximum of 40 professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form and in interviews. Must have earned a grade of B- (2.75) or higher in the following course 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:
  - GEB 3031L  Cornerstone Lab: Professional Skills for Business 1 hr
  - 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
- Students in the Marketing major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000-level or higher Marketing courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Marketing courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Marketing courses in the subsequent term, that student will be dropped as a Marketing major. A student who is dropped may seek readmission as a Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a Marketing GPA of 2.0 or higher. Readmission is not automatic.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 120

Honors In Major
- Available

Related Programs
- None

Certificates
- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management
- Marketing: e-Marketing

Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System of College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, can take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class, and all prerequisites to marketing courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester

Freshman Year - Fall 15 hrs
- ENC 1101  Composition I 3 hrs
- SPC 1608  Fundamentals of Oral Communication 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102  Composition II 3 hrs
- MAC 1105C  College Algebra 3 hrs
- CGS 2100C  Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

Sophomore Year - Fall 15 hrs
- ECO 2023  Principles of Microeconomics 3 hrs
- ACG 2021  Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs
- Elective 3 hrs

Sophomore Year - Spring 15 hrs
- ECO 3401  Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs
### UCF Degree Programs

#### Junior Year - Fall
- **ECO 3411** Quantitative Business Tools II 4 hrs
- **GEB 3031** Cornerstone: Professional Skills for Business 3 hrs
- **GEB 3375** Introduction to International Business 4 hrs
- **MAR 3023** Marketing 4 hrs

#### Junior Year - Spring
- **MAR 3301** Professional Selling 3 hrs
- **BUL 3130** Legal and Ethical Environment of Business 4 hrs
- **MAR 3503** Consumer Behavior 3 hrs
- **MAR 3613** Marketing Analysis and Research 3 hrs
- **FIN 3403C** Business Finance 4 hrs

#### Senior Year - Fall
- **MAR 4803** Marketing Management 3 hrs
- **MAN 3025** Management of Organizations 4 hrs
- **MAR Elective** 3 hrs
- **MAR Elective** 3 hrs
- **MAR 3203** Supply Chain and Operations Management 4 hrs

#### Senior Year - Spring
- **MAN 4720** Strategic Management 4 hrs
- **MAR 4804** Marketing Strategy 3 hrs
- **MAR Elective** 3 hrs
- **GE Non-Business Elective** 3 hrs

### Marketing: Professional Selling Track

#### Freshman Year - Fall
- **ENC 1101** Composition I 3 hrs
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
- **Restricted Elective** 3 hrs
- **Cult-Hist I** 3 hrs

#### Freshman Year - Spring
- **ENC 1102** Composition II 3 hrs
- **MAC 1105C** College Algebra 3 hrs
- **CGB 2100C** Computer Fundamentals for Business 3 hrs
- **Cult-Hist II** 3 hrs
- **Art/Music/Lit** 3 hrs

#### Sophomore Year - Fall
- **ECO 2023** Principles of Microeconomics 3 hrs
- **ACG 2021** Principles of Financial Accounting 3 hrs
- **Restricted Elective** 3 hrs
- **Science** 3 hrs
- **Psy/Soc/Ant** 3 hrs

#### Sophomore Year - Spring
- **ECO 2013** Principles of Macroeconomics 3 hrs
- **ACG 2071** Principles of Managerial Accounting 3 hrs
- **ECO 3401** Quantitative Business Tools I 3 hrs
- **Restricted Elective** 3 hrs
- **Science** 3 hrs

#### Junior Year - Fall
- **ECO 3411** Quantitative Business Tools II 4 hrs
- **GEB 3031** Cornerstone: Professional Skills for Business 3 hrs
- **GEB 3375** Introduction to International Business 4 hrs
- **MAR 3023** Marketing 4 hrs

#### Junior Year - Spring
- **MAR 3301** Professional Selling 3 hrs
- **MAR 4415C** Advanced Professional Selling 3 hrs
- **MAN 3025** Management of Organizations 4 hrs
- **MAR 3203** Supply Chain and Operations Management 4 hrs

#### Senior Year - Fall
- **MAR 4803** Marketing Management 3 hrs
- **MAR 4415C** Advanced Professional Selling 3 hrs
- **MAN 3025** Management of Organizations 4 hrs
- **MAR 3203** Supply Chain and Operations Management 4 hrs

#### Senior Year - Spring
- **MAN 4720** Strategic Management 4 hrs
- **MAR 4804** Marketing Strategy 3 hrs
- **BUL 3130** Legal and Ethical Environment of Business 4 hrs
- **MAR 4413C** Strategic Issues in Sales-Lecture 3 hrs
- **GE Non-Business Elective** 3 hrs

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

#### College of Sciences

#### Department of Mathematics,

**Mathematical Sciences Building, Room: 207**

[http://math.ucf.edu](http://math.ucf.edu)

Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu, 407-823-0147

The university offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with with the word Honors in the title. These are for students in the Honors Program.

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a “C” (2.0) in each course used to satisfy a requirement.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses, except the following, must be either taken from, or approved by, the Department of Mathematics at UCF:
  - **MAC 2311C** Calculus with Analytic Geometry I 4 hrs
  - **MAC 2312** Calculus with Analytic Geometry II 4 hrs
  - **MAC 2313** Calculus with Analytic Geometry III 4 hrs
  - **MAP 2302** Ordinary Differential Equations I 3 hrs

**Note:** the following courses will not satisfy any Math degree requirements:
- **MTG 4404** History of Mathematics 3 hrs
- **MHF 4404** History of Mathematics 3 hrs

1. **UCF General Education Program (GEP)** (38 hrs)
   - (Note: Certain courses must be selected for this major, bringing GEP hours above 36)
   - Some concentrations require particular selections of courses in the GEP program. Please consult the desired concentration listed below.

   **A: Communication Foundations** (9 hrs)
   - Required: **MAC 2311C** Calculus with Analytic Geometry I 4 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required: **COP 3502C** Computer Science I 3 hrs

   **C: Mathematical Foundations** (7 hrs)
   - Required: **MAC 2311C** Calculus with Analytic Geometry I 4 hrs

   **D: Social Foundations** (6 hrs)
   - Required: **ECO 2023** Principles of Microeconomics or **POS 2041** American National Government 3 hrs

   **Suggested**: **MAC 2311C** Calculus with Analytic Geometry I 4 hrs

2. **Select a listed course** 3 hrs
E: Science Foundations (8 hrs)
- Check track requirements before selecting.
  Required: PHY 2048C Physics for Engineers & Scientists I 4 hrs
  Suggested: BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutions of certain courses.
  COP 3502C Computer Science I 4 hrs
  MAC 2311C Calculus with Analytic Geometry I 4 hrs
  MAC 2312 Calculus with Analytic Geometry II 4 hrs
  MAC 2313 Calculus with Analytic Geometry III 4 hrs
  MAP 2302 Ordinary Differential Equations I 3 hrs

- Select from the following: 4 hrs
  CHM 2045C Chemistry Fundamentals I GEP
- or
  CHM 2040 Chemistry Fundamentals IA and GEP
  CHM 2041 Chemistry Fundamentals IB GEP
- or
  BSC 2010C Biology I or GEP
  PHY 2048C Physics for Engineers & Scientists I and GEP

3. Core Requirements: Basic Level (15 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
- COP 3502C Computer Science I and GEP/CPP
- MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
- MAC 2312 Calculus with Analytic Geometry II and CPP
- MAC 2313 Calculus with Analytic Geometry III and CPP
- MAP 2302 Ordinary Differential Equations I and CPP

Basic Core: Additional requirements 8 hrs
- MAS 3105 Matrix and Linear Algebra and 4 hrs
- MAS 3106 Linear Algebra 4 hrs

- and depending on concentration, select either
  - Can use for all Concentrations
    MHP 3302 Logic and Proof in Mathematics 3 hrs
  - or acceptable in Computational Concentration:
    COT 3100C Introduction to Discrete Structures 3 hrs

Select one Science sequence 4 hrs
- Selection depends on the concentration selected
- Biology: 4 hrs
  - Satisfies the General, Economics, and Computational concentrations.
  - Required in Mathematical Biology Concentration
    BSC 2010C Biology I and GEP/CPP
    BSC 2011C Biology II 4 hrs

- Chemistry: 4 hrs
  - Satisfies the General, Economics, and Computational concentrations.
  - Required in Mathematical Biology Concentration
  - May substitute the two semester equivalent Chemistry courses for the first Chemistry course
    CHM 2046C Chemistry Fundamentals I and GEP/CPP
    CHM 2046L Chemistry Fundamentals Laboratory 1 hr

- Physics: 4 hrs
  - Satisfies the General, Economics, and Computational concentrations.
  - Required in Mathematical Biology and Engineering Physics Concentration
    PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
    PHY 2049C Physics for Engineers & Scientists II 4 hrs

4. Core Requirements: Advanced Level (7 hrs)
- MAA 4226 Advanced Calculus I 4 hrs
- MAS 4301 Abstract Algebra I 3 hrs

5. Restricted Electives
- Students must select one of the following five concentrations.

A. General Concentration 18 hrs
- Select any 4000 or 5000 level courses offered by the Department of Mathematics.
- Select any 4000, or 5000 level course with an MAA or MAT prefix offered by the Department of Mathematics.
- Any 4000, or 5000 level course with an MAA, MAD, MAS, or MTG prefix offered by the Department of Mathematics except MTG 4212.

B. Mathematical Biology Concentration 45 hrs
- Students are to have completed these courses in the GEP and CPP
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
    or the two semester equivalent

Complete all of the following
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- MAP 4484 Mathematical Biology I 3 hrs
- PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- Any 4000, or 5000 level course with an MAA or MAT prefix offered by the Department of Mathematics.
- Any 4000, or 5000 level course with an MAA, MAD, MAS, or MTG prefix offered by the Department of Mathematics except MTG 4212.

Select from lecture courses listed in the restricted electives within the Biology and/or Biomedical Sciences programs.

C. Mathematical Economics Concentration 39 hrs
- Students are to have completed this course in the GEP
  - ECO 2013 Principles of Macroeconomics 3 hrs

Complete all of the following
- ECO 2023 Principles of Microeconomics 3 hrs
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 3410 Mathematical Economics 3 hrs
- ECO 4412 Econometrics 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

- Select from the following 9 hrs
  - Choose one:
    ECO 3703 International Microeconomics or 3 hrs
    ECO 4504 Public Economics or 3 hrs
    ECO 4713 International Macroeconomics or 3 hrs
    ECP 4303 Environmental and Natural Resource Economics or 3 hrs
    ECP 4403 Industrial Organization and Game Theory or 3 hrs
    STA 4322 Statistical Theory II or 3 hrs

- Select 1 MAP 4113 Probability, Random Processes and Applications or 3 hrs
  - or
  - MAP 4117 Optimization or 3 hrs
  - MAP 4303 Ordinary Differential Equations II or 3 hrs
  - MAP 4341 Introduction to Partial Differential Equations or 3 hrs
  - MAP 4371 Numerical Methods for Differential Equations or 3 hrs
  - MAP 4384 Numerical Methods for Computational Sciences 3 hrs
### UCF Degree Programs

**D. Computational Concentration** 46 hrs

Students are to have completed this course in the GEP and CPP:

- **Select 1** 3 hrs
  - COP 3502C Computer Science I 3 hrs

Complete all of the following:

- COP 3503C Computer Science II 3 hrs
- MAP 4303 Ordinary Differential Equations II 3 hrs
- MAP 4341 Introduction to Partial Differential Equations 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

**- Select 1** 3 hrs
  - MAP 4371 Numerical Methods for Differential Equations or 3 hrs
  - MAP 4384 Numerical Methods for Computational Sciences 3 hrs

**- Select from the following** 18 hrs

- COP 3402 Systems Software or 3 hrs
- COP 4020 Programming Languages I or 3 hrs
- COP 4331C Processes for Object-Oriented Software Development or 3 hrs
- COP 4600 Operating Systems or 3 hrs
- COT 4210 Discrete Structures II or 3 hrs
- EEL 4708 Computer Architecture 3 hrs

**- Select 1** 3 hrs
  - MAP 4103 Mathematical Modeling I or 3 hrs
  - MAP 4153 Vector and Tensor Analysis or 3 hrs
  - MAP 4171 Optimization 3 hrs

**- Select 1** 3 hrs
  - MAA 4402 Introduction to Complex Variables or 3 hrs
  - MAD 4203 Introduction to Combinatorics or 3 hrs
  - MAD 4301 Introduction to Graph Theory 3 hrs

**E. Engineering/Physics Concentration** 42 hrs

Students are to have completed the following to satisfy the GEP and CPP:

- **PHY 2048C** Physics for Engineers & Scientists I 4 hrs
- **PHY 2049C** Physics for Engineers and Scientists II 4 hrs

Complete all the following 18 hrs

- EGN 3321 Engineering Analysis-Dynamics and 3 hrs
- MAA 4402 Introduction to Complex Variables and 3 hrs
- MAP 4103 Mathematical Modeling I and 3 hrs
- PHY 3319 Vector Calculus or 3 hrs
- MAP 4303 Ordinary Differential Equations II and 3 hrs
- MAP 4341 Introduction to Partial Differential Equations 3 hrs

**- Select 1** 3 hrs
  - COT 4500 Numerical Calculus or 3 hrs
  - EGN 3420 Engineering Analysis or 3 hrs
  - MAP 4371 Numerical Methods for Differential Equations or 3 hrs
  - MAP 4384 Numerical Methods for Computational Sciences or 3 hrs
  - PHZ 3151 Computer Methods in Physics 3 hrs

**- Select 1** 3 hrs
  - EGN 3310 Engineering Analysis-Statics or 3 hrs
  - PHY 3220 Mechanics I 3 hrs

**- Select 1** 3 hrs
  - EGN 3343 Thermodynamics or 3 hrs
  - EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
  - PHY 3513 Thermal and Statistical Physics or 3 hrs

**- Select 2** 6 hrs
  - CES 4100C Structural Analysis I and Lab or 4 hrs
  - EAS 3101 Fundamentals of Aerodynamics or 3 hrs
  - EEL 3004C Electrical Networks or 3 hrs
  - EGN 3301 Solid Mechanics or 3 hrs
  - EGN 3331 Mechanics of Materials or 3 hrs
  - EIN 2002 Introduction to Industrial Engineering and Management Systems or 1 hr
  - EML 4220 Vibration Analysis or 3 hrs

- **Select 2** 6 hrs
  - ESI 4312 Operations Research or 3 hrs
  - PHY 4604 Wave Mechanics I or 3 hrs
  - PHY 4605 Wave Mechanics II 3 hrs

**- Select 2** 6 hrs
- CWR 3201 Engineering Fluid Mechanics or 3 hrs
- EAS 4105 Flight Mechanics or 3 hrs
- EAS 4200 Analysis & Design of Aerospace Structures or 3 hrs
- EAS 4400 Spacecraft Attitude Dynamics or 3 hrs
- EAS 4505 Orbital Mechanics or 3 hrs
- EEE 3342C Digital Systems or 3 hrs
- EGN 3365 Structure and Properties of Materials or 3 hrs
- EGN 3613 Engineering Economic Analysis or 2 hrs
- EEL 3470 Electromagnetic Fields or 3 hrs
- EEL 3552C Analog and Digital Communication 4 hrs
- STA 4321 Statistical Theory I or 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- STA 4323 Statistical Theory III 3 hrs
- EEL 4832 Engineering Applications of Computer Methods or 3 hrs
- EEL 4851C Engineering Data Structures or 4 hrs
- EIN 4333 Production and Distribution Systems or 3 hrs
- EMA 4223 Fundamentals of Mechanical Behavior of Materials or 3 hrs
- EML 3262 Kinematics of Mechanisms or 3 hrs
- EML 3701 Fluid Mechanics I or 3 hrs
- EML 4142 Heat Transfer or 3 hrs
- EML 4312C Feedback Control or 3 hrs
- EML 4702 Fluid Mechanics II or 3 hrs
- EML 4851 Environmental Engineering Operations & Processes II or 3 hrs
- ESI 4234 Quality Engineering or 3 hrs
- ESI 4523C Systems Simulation or 3 hrs
- PHY 3332 Electricity and Magnetism I or 3 hrs
- PHY 4324 Electricity and Magnetism II or 3 hrs
- STA 4321 Statistical Theory I or 3 hrs
- STA 4322 Statistical Theory II 3 hrs

**- Select 1** 3 hrs
  - MAD 4203 Introduction to Combinatorics or 3 hrs
  - MAD 4301 Introduction to Graph Theory 3 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

### 8. Electives

- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### 9. Additional Requirements

#### None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each course used to satisfy the degree program.
- Participate in an exit interview.
- Fulfill Exit Examination requirement.

### 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

- 120
Honors In Major
- None

Related Programs
- Aerospace Engineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Electrical Engineering
- Industrial Engineering
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

Certificates
- Educational Studies

Related Minors
- Actuarial Science
- Bioengineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Education
- Environmental Studies
- Information Technology
- Mathematics
- Mathematics Education
- Physics
- Statistics
- Technological Entrepreneurship

Advising Notes
- Students with adequate preparation can consult with the department undergraduate advisor on substituting graduate classes for departmental electives.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
  - Computer Programming: may use any programming course with a COP prefix.
  - Laboratory Science: may use any GLY, PHY, CHM or BSC course with a lab designed for science majors; however, the biology, chemistry and physics classes are core requirements and still must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 8 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

Freshman Year - Fall 16 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- ENG 1101 Composition I 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring 16 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MTH 3302 Logic and Proof in Mathematics 3 hrs
- ENG 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 15 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- GEP 3 hrs

Sophomore Year - Spring 14 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHYS 2049C Physics for Engineers and Scientists II 4 hrs
- GEP 3 hrs

Junior Year - Fall 16 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAS 4301 Abstract Algebra I 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAP 4341 Introduction to Partial Differential Equations 3 hrs
- Elective 3 hrs

Junior Year - Spring 15 hrs
- MAA 4227 Advanced Calculus II 3 hrs
- MAA 4402 Introduction to Complex Variables 3 hrs
- COP 3502C Computer Science I 3 hrs
- MAP 4303 Ordinary Differential Equations II 3 hrs
- Elective 3 hrs

Senior Year - Fall 16 hrs
- MAD 4203 Introduction to Combinatorics 3 hrs
- MAP 4371 Numerical Methods for Differential Equations 3 hrs
- Elective 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Senior Year - Spring 12 hrs
- MAD 4301 Introduction to Graph Theory 3 hrs
- MTG 4302 Introduction to Topology 3 hrs
- Elective 3 hrs
- Elective 3 hrs

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

Mathematics Education (B.S.)

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed
Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu, 407-823-4336
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- 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.
## UCF Degree Programs

### Degree Requirements

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

#### 1. UCF General Education Program (GEP)  (37 hrs)

- Students are advised to take the preferred courses.

| A: Communication Foundations  (9 hrs) |
|-----------------|-----------------|
| Required ENC 1101 Composition I  3 hrs |
| Preferred SPC 1608 Fundamentals of Oral Communication  3 hrs |

| B: Cultural and Historical Foundations  (9 hrs) |
|-----------------|-----------------|
| Preferred AMH 2020 U.S. History: 1877-Present  3 hrs |
| Preferred AMH 2010 U.S. History: 1492-1877  3 hrs |
| Preferred PHI 2100 Introduction to Philosophy  3 hrs |

| C: Mathematical Foundations  (7 hrs) |
|-----------------|-----------------|
| Required MAC 2311C Calculus with Analytic Geometry I  4 hrs |
| Required STA 2023 Statistical Methods I  3 hrs |

| D: Social Foundations  (6 hrs) |
|-----------------|-----------------|
| Preferred POS 2041 American National Government  3 hrs |
| Preferred PSY 2102 General Psychology  3 hrs |

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

| Select 1: |
|-----------------|-----------------|
| Preferred ANT 2511 The Human Species or  3 hrs |
| Preferred BSC 1005 Biological Principles  3 hrs |

| 2. Common Program Prerequisites (CPP)  (17 hrs) |
|-----------------|-----------------|
| See “Common Prerequisites” in the Transfer and Transitions Services section for more information. |

- EDF 2005 Introduction to the Teaching Profession  3 hrs
- EDF 2085 Introduction to Diversity for Educators  3 hrs
- EME 2040 Introduction to Technology for Educators  3 hrs
- MAC 2311C Calculus with Analytic Geometry I  4 hrs
- MAC 2312 Calculus with Analytic Geometry II  4 hrs
- MAC 2313 Calculus with Analytic Geometry III  4 hrs

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

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

- Students should consult advisor regarding course options.

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130 Child and Adolescent Development for Educators  3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I  GEP  4 hrs</td>
<td></td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I  GEP  4 hrs</td>
<td></td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II  CPP  4 hrs</td>
<td></td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III  CPP  4 hrs</td>
<td></td>
</tr>
<tr>
<td>MAP 2302 Ordinary Differential Equations I  3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

1 Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

#### 4. Core Requirements: Advanced Level  (60 hrs)

- Education Core Requirements  (18 hrs)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer EDF 4410 Teaching Strategies and Classroom Management  3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer EDF 4467 Learning Theory and Assessment  3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer TSL 4080 Theory and Practice of Teaching ESL  3 hrs</td>
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</tr>
<tr>
<td>Prefer EEX 4242 Teaching Exceptional Students in Secondary Settings  3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer RED 4043 Content Reading in Kindergarten through Grade 12  3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

1 Prior to Internship I, the student must have completed EDF 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is 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 in Schools.

| Internship I Block  7 hrs |
|-----------------|-----------------|
| Pass 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/clinicalexperiences/ |
| Pass on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II. |
| Students must apply and be approved for Internship II. |
| Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperiences/ |
| Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066. |
| MAE 4941 Internship  12 hrs |

| 5. Restricted Electives |
|-----------------|-----------------|
| None |

| 6. Capstone Requirements |
|-----------------|-----------------|
| None |

| 7. Foreign Language Requirements |
|-----------------|-----------------|
| None |

| Admissions |
|-----------------|-----------------|
| State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.) |
| Graduation |
| None |
8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses within the major.
    - Complete a portfolio according to program guidelines.
      This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator
      Accomplished Practices.
    - Pass all applicable sections of the Florida Teacher Certification Examination.

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

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - None

Certificates
   - None

Related Minors
   - None

Advising Notes
   - None

Transfer Notes
   - None

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study (120 hrs)

Freshman Year - Fall (13 hrs)
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- PSC 1121 Physical Science 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Freshman Year - Spring (16 hrs)
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1:
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer (10 hrs)
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHI 2101 Introduction to Philosophy 3 hrs
- PSY 1121 General Psychology 3 hrs

Sophomore Year - Fall (15 hrs)
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring (16 hrs)
- EME 2040 Introduction to Technology for Educators 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3203 Introduction to Number Theory 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

1 Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall (13 hrs)
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDS 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- MTG 4212 Modern Geometries 4 hrs

Junior Year - Spring (12 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- MAE 4634 Programs in Teaching of Mathematics 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Senior Year - Fall (13 hrs)
- MAE 3940 Internship 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- MHF 4404 History of Mathematics 3 hrs
- MAE 4360 Mathematics Instructional Analysis 4 hrs

Senior Year - Spring (12 hrs)
- MAE 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

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Mechanical Engineering (B.S.M.E.)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering, Engineering I, Room: 307
http://www.mmae.ucf.edu
Email: mmaeugrad@ucf.edu
Dr. Kuo-Chi Lin, Kurt.Linh@ucf.edu, 407-823-0137
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Select 1:  
Prefer: SPC 1603C Fundamentals of Technical Presentations or 3 hrs
Suggested: SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)  
Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)  
Required: MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required: STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)  
Select 1: 3 hrs
Prefer: ECO 2013 Principles of Macroeconomics 3 hrs
Prefer: ECO 2023 Principles of Microeconomics 3 hrs
Select one class from Social Foundations 3 hrs

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

2. Common Program Prerequisites (CPP) (19 hrs)  
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

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

1. MAC 2311C Calculus with Analytic Geometry I 4 hrs
1. MAC 2312 Calculus with Analytic Geometry II 4 hrs
1. MAC 2313 Calculus with Analytic Geometry III 4 hrs
1. MAP 2302 Ordinary Differential Equations 3 hrs
1. PHY 2048C Physics for Engineers & Scientists I 4 hrs
1. PHY 2049C Physics for Engineers & Scientists II 4 hrs

A “C” (2.0) or better is required in this course.

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: 6 hrs
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

or- Second alternative
CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)  
Required Courses: Basic 2 hrs

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)  
Required Courses: Advanced 36 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3365 Structure and Properties of Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering
EML 3303C Mechanical Engineering Measurements 3 hrs
EGN 3601 Solid Mechanics 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 4142 Heat Transfer 3 hrs
EML 3217 Engineering Mechanics - Dynamics 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs

EML 3500 Design and Analysis of Machine Components 3 hrs

Select 2 of the Following: 6 hrs
EML 3301 Thermodynamics of Mechanical Systems or 3 hrs
EML 4143 Heat Transfer II or 3 hrs
EML 4313 Intermediate System Dynamics and Controls or 3 hrs
EML 4703 Fluid Mechanics II or 3 hrs
EML 4504 Design & Analysis of Machine Components or 3 hrs

Select 1 of the Following: 3 hrs
EML 4301C Mechanical Systems Lab or 3 hrs
EML 4306C Energy Systems Lab or 3 hrs

5. Restricted Electives  
Approved Electives 18 hrs
- Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of approved restricted technical electives and the terms when specific courses of this type are offered.

6. Capstone Requirements (6 hrs)  
These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

Select 1: 3 hrs
EML 4501C Engineering Design I or 3 hrs
EGN 4412C Interdisciplinary Design I 3 hrs

Select 1: 3 hrs
EML 4502C Engineering Design II or 3 hrs
EGN 4413C Interdisciplinary Design II 3 hrs

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

Graduation
- None

8. Electives  
- None

9. Additional Requirements  
- None

10. Required Minors  
- None

11. Departmental Exit Requirements  
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

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

Total Semester Hours Required 128

Honors In Major  
- None

Related Programs  
- Aerospace Engineering
- Certificate
- None

Related Minors  
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
UCF Degree Programs

Advising Notes
- Double Degree/Double Major requirements listed under the college section of the catalog.

Career and Academic Advising
- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

Transfer Notes
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs

Select 1:
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
1 CHM 2040 Chemistry Fundamentals IA 3 hrs

1 Must take CHM 2041 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
- EG 3355 Structure and Properties of Materials 3 hrs

Sophomore Year - Fall
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Sophomore Year - Spring
- EGN 3343 Thermodynamics 3 hrs
- EGN 3601 Solid Mechanics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EML 3217 Engineering Mechanics - Dynamics 3 hrs

Sophomore Year - Summer
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs

Junior Year - Spring
- EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs
- EML 3500 Design and Analysis of Machine Components 3 hrs

Senior Year - Fall
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs

Select 1:
- EML 4501C Engineering Design I or 3 hrs
- EGN 4142C Interdisciplinary Design I 3 hrs

Select 2
- EML 3101 Thermodynamics of Mechanical Systems or 3 hrs
- EML 4143 Heat Transfer II or 3 hrs
- EML 4313 Intermediate System Dynamics and Controls or 3 hrs
- EML 4703 Fluid Mechanics II or 3 hrs
- EML 4504 Design & Analysis of Machine Components II 3 hrs

Senior Year - Spring
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

Select 1
- EML 4301C Mechanical Systems Lab or 3 hrs
- EML 4306C Energy Systems Lab 3 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Medical Laboratory Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health & Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Dr. Richard Peppler, Interim Director
Dorilyn Hitchcock, Program Director
Phone: 407-823-5932

Admission Requirements
- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratories Science program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
UCF Degree Programs

- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainee license are required.

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)
   - **D: Social Foundations** (6 hrs)
   - **E: Science Foundations** (8 hrs)
   - **Required**
     - BSC 2010C Biology I
     - STA 2023 Statistical Methods I
     - CHM 2045C Chemistry Fundamentals I
     - Preferred
     - MAC 1115C College Algebra

2. **Common Program Prerequisites (CPP)** (25 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   - **Required**
     - BSC 2010C Biology I
     - STA 2023 Statistical Methods I
     - CHM 2045C Chemistry Fundamentals I
     - Preferred
     - MAC 1115C College Algebra

**Take all of the following:** 4 hrs
- CHM 2045C Chemistry Fundamentals I and
- BSC 3733C Human Anatomy
- MCB 3020C General Microbiology
- PCB 3703C Human Physiology

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

1. See Transfer Notes

3. **Core Requirements: Basic Level**
   - None

4. **Core Requirements: Advanced Level** (64 hrs)
   - **MLS 3220C Techniques in Clinical Microscopy** 3 hrs
   - **MLS 4625L Advanced Clinical Chem I Lab** 1 hr
   - **PCB 3233** Immunology 3 hrs
   - **MLS 3305L Hematology Lab** 1 hr
   - **MLS 4933 Medical Technology Seminar** 2 hrs
   - **MLS 3705 Concepts in Education/Management** 3 hrs
   - **MLS 4830L Interpretive & Practical Clinical Chemistry** 4 hrs
   - **MLS 4831L Interpretive & Practical Immunohematology** 4 hrs
   - **MLS 4832L Interpretive & Practical Hematology** 4 hrs
   - **MLS 4853L Diagnostic Microbiology** 4 hrs
   - **CGS 1060C Introduction to Computers** 3 hrs
   - **BSC 3403C Quantitative Biological Methods** 4 hrs
   - **MLS 4434 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 4830L Interpretive & Practical Clinical Chemistry** 4 hrs
   - **MLS 4831L Interpretive & Practical Immunohematology** 4 hrs
   - **MLS 4832L Interpretive & Practical Hematology** 4 hrs
   - **MLS 4853L Diagnostic Microbiology** 4 hrs
   - **CGS 1060C Introduction to Computers** 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, and nine hours of Summer credit.

   **Total Semester Hours Required**
   - 126

**Honors In Major**
- None

**Related Programs**
- Biomedical Sciences
- Biology
- Chemistry

**Certificates**
- None

**Related Minors**
- Biomedical Sciences
- Biology
- Chemistry

**Advising Notes**
- None
**UCF Degree Programs**

**Plan of Study**

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<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Hours</th>
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<tr>
<td>Freshman</td>
<td>ENC 1101: Composition I</td>
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<td>MAC 1105C: College Algebra</td>
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<td>SPC 1608: Fundamentals of Oral Communication</td>
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<td>CHM 2045C: Chemistry Fundamentals I</td>
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<td>BSC 2010C: Biology I</td>
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<td>CHM 2046: Chemistry Fundamentals II</td>
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<td>STA 2023: Statistical Methods I</td>
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<td>ZOO 3733C: Human Anatomy</td>
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<td>ECO 2013: Principles of Macroeconomics</td>
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<td>THE 2000: Theatre Survey or</td>
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<td></td>
<td>REL 2300: World Religions or</td>
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<td>MCB 3020C: General Microbiology</td>
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<td>PCB 3703C: Human Physiology</td>
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<td>HUM 2230: Humanistic Tradition II or</td>
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<td>MLC 4625L: Advanced Clinical Chem I Lab</td>
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<td>PCB 3233: Immunology</td>
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<td>PCB 3233L: Immunology Laboratory</td>
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<td>MLC 4430C: Clinical Parasitology</td>
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<td>Junior</td>
<td>MLC 3305: Hematology</td>
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<td>MLC 3305L: Hematology Lab</td>
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<td>MLC 4630: Advanced Clinical Chemistry II</td>
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<td>MLC 4640L: Clinical Pathogenic Microbiology Lab</td>
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<td>MLC 4334: Hemostasis</td>
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<td>MLC 4550: Clinical Immunohematology</td>
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<td>MLC 4830L: Interpretive &amp; Practical Clinical Chemistry</td>
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<td>MLC 4831L: Interpretive &amp; Practical Immunohematology</td>
<td>4 hrs</td>
</tr>
<tr>
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<td>MLC 4832L: Interpretive &amp; Practical Hematology</td>
<td>4 hrs</td>
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<td>MLC 4833L: Diagnostic Microbiology</td>
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<td>MLS 4505C: Immunodiagnostics</td>
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<td>MLS 4933: Medical Technology Seminar</td>
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<td>MLS 3705: Concepts in Education/Management</td>
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<tr>
<td></td>
<td>BSC 3403C: Quantitative Biological Methods</td>
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**Program Academic Learning Compacts**

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

**Equipment Fees**

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

**Music (B.A.)**

**College of Arts and Humanities**

**Department of Music,**

**Performing Arts Center, Room: M203**

[http://music.cah.ucf.edu](http://music.cah.ucf.edu)

**Email:** ucfmusic@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

**Admission Requirements**

- Each student must complete an audition that demonstrates satisfactory performance proficiency.
- The audition will serve as a placement examination for accepted candidates

**Degree Requirements**

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to [http://www.music.ucf.edu/students](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
- Courses designated in 1 (General Education Program) are usually spread over the full four years
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

- (see General Education Program for detailed information)

<table>
<thead>
<tr>
<th>Category</th>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>A: Communication Foundations (9 hrs)</td>
<td>ENC 1101: Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ENC 1102: Composition II</td>
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<td>SPC 1608: Fundamentals of Oral Communication</td>
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<tr>
<td>B: Cultural &amp; Historical Foundations (9 hrs)</td>
<td>MLC 3212: Music History and Literature II</td>
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<td>Select one course from 1.B.1 list</td>
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<tr>
<td></td>
<td>Select one course from 1.B.2 list</td>
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<tr>
<td>C: Mathematical Foundations (6 hrs)</td>
<td>MGF 1107: Explorations in Mathematics</td>
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<td>MGF 1106: Finite Mathematics</td>
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<tr>
<td>D: Social Foundations (6 hrs)</td>
<td>Course selected from GEP C.2 list</td>
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</table>
UCF Degree Programs

1. University Minimum Exit Requirements

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

2. Core Requirements: Basic Level (6 hrs)

- MUS 1010 Music Forum 0 hrs
- MUL 2044 Introduction to Music History and Literature 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs

3. Core Requirements: Advanced Level (3 hrs)

- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II GEP

4. Core Requirements: Advanced Level (3 hrs)

- MUS 4900 Music BA Capstone Project 3 hrs

5. Restricted Electives-Music (15 hrs)

- Choose from any MUX XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.) 3 hrs

6. 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.

7. Capstone Requirements

- MUS 4900 Music BA Capstone Project 3 hrs

8. 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.

9. 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.

10. Electives

- Select primarily from upper-level courses

11. Additional Requirements

- None

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Music Education
- Theatre
- Theatre - Musical Theatre Track

Certificates

- None

Related Minors

- Music
- Theatre

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- MUS 1121 Music Theory and Musicianship I 4 hrs
- MUS 1111 Class Piano I 1 hr
- MUS 1112 Class Piano II 1 hr
- MVK 2121 Class Piano III 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUN XXXX Ensembles 4 hrs
- MVX XXXX Performance 4 hrs

Sophomore Year - Fall

- ENC 1102 Composition II 3 hrs
- MUS 1122 Music Theory and Musicianship II 4 hrs
- MUS 1111 Class Piano I 1 hr
- MUS 1112 Class Piano II 1 hr
- MVK 2121 Class Piano III 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- GEP E.1. Science Foundation 3 hrs

Sophomore Year - Spring

- ENC 1102 Composition II 3 hrs
- MUS 1122 Music Theory and Musicianship II 4 hrs
- MUS 1111 Class Piano I 1 hr
- MUS 1112 Class Piano II 1 hr
- MVK 2121 Class Piano III 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- GEP E.1. Science Foundation 3 hrs

Junior Year - Fall

- MUS 3211 Music History and Literature I 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- MUX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Fall

- GEP D.1. Social Foundation 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- MUX 3/4XXX Non-Music Restricted Elective 3 hrs
- GEP E.2. Science Foundation 3 hrs
- MUX 3/4XXX Non-Music Restricted Elective 3 hrs

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
- MUS 1121 Music Theory and Musicianship I 4 hrs
- MUS 1111 Class Piano I 1 hr
- MUS 1112 Class Piano II 1 hr
- MVK 2121 Class Piano III 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUN XXXX Ensembles 4 hrs
- MVX XXXX Performance 4 hrs

Sophomore Year - Fall

- ENC 1102 Composition II 3 hrs
- MUS 1122 Music Theory and Musicianship II 4 hrs
- MUS 1111 Class Piano I 1 hr
- MUS 1112 Class Piano II 1 hr
- MVK 2121 Class Piano III 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- GEP E.1. Science Foundation 3 hrs

Sophomore Year - Spring

- ENC 1102 Composition II 3 hrs
- MUS 1122 Music Theory and Musicianship II 4 hrs
- MUS 1111 Class Piano I 1 hr
- MUS 1112 Class Piano II 1 hr
- MVK 2121 Class Piano III 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- GEP E.1. Science Foundation 3 hrs

Junior Year - Fall

- MUS 3211 Music History and Literature I 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- MUX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Fall

- GEP D.1. Social Foundation 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- MUX 3/4XXX Non-Music Restricted Elective 3 hrs
- GEP E.2. Science Foundation 3 hrs
- MUX 3/4XXX Non-Music Restricted Elective 3 hrs
## UCF Degree Programs

### Music - Jazz Studies Track (B.M.)

**College of Arts and Humanities**

**Department of Music,**

**Performing Arts Center - Music, Room: M203**

[http://music.cah.ucf.edu](http://music.cah.ucf.edu)

**Email:** musicaud@ucf.edu

J. Rupert, JeffRupert@ucf.edu, 407-823-5411
Kirk Gay, Kirk.Gay@ucf.edu, 407-823-5968

### Admission Requirements

**Audition Requirements for Admission**

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to [http://music.cah.ucf.edu/admissions.php](http://music.cah.ucf.edu/admissions.php) to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

**Professional Sequence Entrance Review**

- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0
- This review is a prerequisite for Performance level III.

### Degree Requirements

- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to [http://music.ucf.edu/](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.
- Students must complete a faculty-approved Senior BM web portfolio.

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

(See General Education program for detailed information)

**A: Communication Foundations** (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>SPC 1608</td>
<td>3 hrs</td>
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</table>

**Take all of the following:** (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 2016</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select one course from 1.B.1 list or 1.B.2 list (3 hrs)

#### C: Mathematical Foundations (6 hrs)

**Math**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
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<tr>
<td>MGF 1107</td>
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</table>

Select a course from GEP C.2 list (3 hrs)

#### D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### E: Science Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (24 hrs)

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

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 2014</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 2360C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUL 2016</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (54 hrs)

<table>
<thead>
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<tbody>
<tr>
<td>MUT 3170</td>
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<tr>
<td>MUT 3171</td>
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<tr>
<td>MUT 3923</td>
<td>3 hrs</td>
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<tr>
<td>MUS 4320</td>
<td>3 hrs</td>
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<tr>
<td>MUL 4814</td>
<td>3 hrs</td>
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<tr>
<td>MUS 3953</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 4954</td>
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</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MUH 3211</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUH 3212</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 1. Four semesters for total 4 hrs

#### 2. Eight semesters

#### Specialty Requirements (Choose one): 27 hrs

- All courses are taken for two semesters each except restricted elective courses

**Trumpet**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
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<tr>
<td>MVB 1411</td>
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</tr>
<tr>
<td>MVB 2421</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVB 3431</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVB 4441</td>
<td>4 hrs</td>
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<tr>
<td>Restricted Electives</td>
<td>5 hrs</td>
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</table>

**Trombone**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MVB 1413</td>
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<tr>
<td>MVB 2423</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVB 3433</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVB 4443</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Restricted Electives</td>
<td>5 hrs</td>
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**Saxophone**

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<th>Course</th>
<th>Hours</th>
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<tr>
<td>MVW 1415</td>
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</tr>
<tr>
<td>MVW 2425</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVW 3435</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVW 4445</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Restricted Electives</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>
**UCF Degree Programs**

**Jazz Piano**
- MVJ 1010 Jazz Piano I: 2 hrs
- MVJ 2220 Jazz Piano II: 2 hrs
- MVJ 3230 Jazz Piano III: 3 hrs
- MVJ 4240 Jazz Piano IV: 4 hrs
- MVK 1211 Secondary Piano: 1 hr

**Jazz Bass**
- MVJ 1214 Jazz Bass I: 2 hrs
- MVJ 2224 Jazz Bass II: 2 hrs
- MVJ 3234 Jazz Bass III: 3 hrs
- MVJ 4244 Jazz Bass IV: 4 hrs
- MVS 1214 Secondary Bass: 1 hr

**Jazz Guitar**
- MVJ 1213 Jazz Guitar I: 2 hrs
- MVJ 2223 Jazz Guitar II: 2 hrs
- MVJ 3233 Jazz Guitar III: 3 hrs
- MVJ 4243 Jazz Guitar IV: 4 hrs
- MVS 1216 Secondary Guitar: 1 hr

**Jazz Drum Set**
- MVJ 1219 Jazz Drum Set I: 2 hrs
- MVJ 2229 Jazz Drum Set II: 2 hrs
- MVJ 3339 Jazz Drum Set III: 3 hrs
- MVJ 4349 Jazz Drum Set IV: 4 hrs
- MVP 1211 Secondary Percussion: 1 hr

**Restricted Electives**
- MUS 2360C Introduction to Music Technology: 3 hrs
- MJV 3XXX Restricted Elective: 1 hr
- MVP 3/4XXX Restricted Elective: 3 hrs
- MVX 343X Performance III: 3 hrs
- MUS 3953 Recital Performance I: 0 hrs
- MUS 3963 Recital Performance II: 0 hrs
- MVX 343X Performance III: 3 hrs
- MUX 3XXX Restricted Elective: 1 hr
- MUH 3211 Music History and Literature I: 3 hrs
- MUH 4814 Jazz Styles and Analysis: 3 hrs
- MUS 444X Performance IV: 4 hrs
- MUS 3923 Jazz Workshop: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 3923 Jazz Workshop: 3 hrs
- MUS 3963 Recital Performance I: 0 hrs
- MVX 343X Performance III: 3 hrs
- MUX 3XXX Restricted Elective: 1 hr
- MUH 3211 Music History and Literature I: 3 hrs
- MUH 4814 Jazz Styles and Analysis: 3 hrs
- MUS 444X Performance IV: 4 hrs
- MUS 3923 Jazz Workshop: 3 hrs
- MUS 1010 Music Forum: 0 hrs

**Academic Requirements**
- None

**1. University Minimum Exit Requirements**
- Graduation Exam (minimum 2.0)
- 120 credits of college work completed
- 60 semester hours of upper division credit completed
- Computer Competency met by the following course, or departmental examination:
  - MUS 2360C Introduction to Music Technology: 3 hrs
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Music Education
- Music
- Theatre

**Certificates**
- None

**Related Minors**
- Music
- Theatre
- Digital Media

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- Program A: Jazz Trumpet, Trombone, Saxophone

**Freshman Year - Fall**
- ENC 1101 Composition I: 3 hrs
- MUT 1121 Music Theory and Musicianship I: 4 hrs
- MUN 3713 Jazz Ensemble: 1 hr
- MVK 1111 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MVX 141X Performance I: 2 hrs

**Sophomore Year - Fall**
- ENC 1102 Composition II: 3 hrs
- MUT 1122 Music Theory and Musicianship II: 4 hrs
- MUN 3713 Jazz Ensemble: 1 hr
- MVK 1112 Class Piano II: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MVX 142X Performance II: 2 hrs
- MUX 3XXX Restricted Elective: 1 hr

**Junior Year - Fall**
- ENC 1101 Composition I: 3 hrs
- MUT 1121 Music Theory and Musicianship I: 4 hrs
- MUN 3713 Jazz Ensemble: 1 hr
- MVK 1111 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MVX 141X Performance I: 2 hrs
- Science Foundation: 3 hrs

**Sophomore Year - Spring**
- ENC 1102 Composition II: 3 hrs
- MUT 1122 Music Theory and Musicianship II: 4 hrs
- MUN 3713 Jazz Ensemble: 1 hr
- MVK 1112 Class Piano II: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MVX 142X Performance II: 2 hrs
- MUX 3XXX Restricted Elective: 1 hr
- MVX 242X Performance II: 2 hrs

**Junior Year - Spring**
- ENC 1101 Composition I: 3 hrs
- MUT 1121 Music Theory and Musicianship I: 4 hrs
- MUN 3713 Jazz Ensemble: 1 hr
- MVK 1111 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MVX 141X Performance I: 2 hrs
- Science Foundation: 3 hrs

**Senior Year - Fall**
- ENC 1102 Composition II: 3 hrs
- MUT 1122 Music Theory and Musicianship II: 4 hrs
- MUN 3713 Jazz Ensemble: 1 hr
- MVK 1112 Class Piano II: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MVX 142X Performance II: 2 hrs
- MUX 3XXX Restricted Elective: 1 hr

**Senior Year - Spring**
- ENC 1101 Composition I: 3 hrs
- MUT 1121 Music Theory and Musicianship I: 4 hrs
- MUN 3713 Jazz Ensemble: 1 hr
- MVK 1111 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MVX 141X Performance I: 2 hrs
- Science Foundation: 3 hrs

**University of Central Florida**

**UNIVERSITY OF CENTRAL FLORIDA**

**Undergraduate Catalog 2013-2014**

**256**
### UCF Degree Programs

**Music - Music Composition Track (B.M.)**

**College of Arts and Humanities**

**Department of Music,**

**Performing Art Center - Music, Room: M203**


**Email:** musiccaud@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

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**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 MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
  - This review is a pre-requisite for Composition level III.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Composition students must present one faculty-approved public recital.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.

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

- (see General Education program for detailed information)

- | Course Code | Course Title | Credits |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 3923</td>
<td>Jazz Workshop</td>
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<td>MUS 4320</td>
<td>Music Business and Industry</td>
<td>3 hrs</td>
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<tr>
<td>MUS 4954</td>
<td>Recital Performance II</td>
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<td>MUS 444X Performance IV</td>
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<tr>
<td>GEP D.2 Social Foundation</td>
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**Program Academic Learning Compacts**

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

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**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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**Senior Year - Spring** 13 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>MUS 3923</td>
<td>Jazz Workshop</td>
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<tr>
<td>MUS 4320</td>
<td>Music Business and Industry</td>
<td>3 hrs</td>
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<tr>
<td>MUS 4954</td>
<td>Recital Performance II</td>
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<tr>
<td>MVX 444X Performance IV</td>
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</tr>
<tr>
<td>GEP D.2 Social Foundation</td>
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**Freshman Year - Spring** 17 hrs

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<th>Course Title</th>
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<td>MUS 3923</td>
<td>Jazz Workshop</td>
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<tr>
<td>MUS 3913</td>
<td>Jazz Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUL 2016</td>
<td>Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVX 1XXX Performance I</td>
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</tr>
<tr>
<td>MVX 121X Secondary Performance</td>
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**Sophomore Year - Fall** 17 hrs

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<th>Course Title</th>
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</tr>
</thead>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 2360C</td>
<td>Introduction to Music Technology</td>
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<tr>
<td>MVX 121X Secondary Performance</td>
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<tr>
<td>MVX 1XXX Performance I</td>
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**Junior Year - Fall** 13 hrs

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<th>Course Title</th>
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<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
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<tr>
<td>MUS 3923</td>
<td>Jazz Workshop</td>
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<tr>
<td>MUS 4320</td>
<td>Music Business and Industry</td>
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<td>MVX 4954</td>
<td>Recital Performance II</td>
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<tr>
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**Senior Year - Spring** 13 hrs

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<td>MUS 3923</td>
<td>Jazz Workshop</td>
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</tr>
<tr>
<td>MUS 4320</td>
<td>Music Business and Industry</td>
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<td>MVX 4XXX Performance IV</td>
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<tr>
<td>GEP D.2 Social Foundation</td>
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</table>
## B: Cultural & Historical Foundations (9 hrs)
- 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)
- **Math**  3 hrs
  - Suggested MGF 1106  Finite Mathematics or
  - Suggested MGF 1107  Explorations in Mathematics or
  - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

## D: Social Foundations (6 hrs)

## E: Science Foundations (6 hrs)

## 2. Common Program Prerequisites (CPP) (32 hrs)
- **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**

## 3. Core Requirements: Basic Level (20 hrs)
- MUL 2014  Introduction to Music History and Literature  3 hrs
- MUS 2360C  Introduction to Music Technology  3 hrs
- MUC 1101C  Composition I  2 hrs
- MUC 2104C  Composition II  2 hrs
- MUS 1010  Music Forum  0 hrs
- MUG 3104  Basic Conducting  2 hrs
- MUH 3211  Music History and Literature I  3 hrs
- MUH 3212  Music History and Literature II  GEP
- MUL 4571  Analysis of Twentieth-Century Music  3 hrs
- MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3483
- MVX 242X Performance II (two semesters)  4 hrs

## 4. Core Requirements: Advanced Level (23 hrs)

### Professional Sequence Requirements:
- 1 MUC 3105C  Composition III  3 hrs
- 2 MUC 4106C  Composition IV  4 hrs
- MUT 4401  Counterpoint  3 hrs
- MUT 4311  Orchestration  3 hrs
- MUC 4950  Composition Recital  0 hrs
- One course selected from MUC/MUH/MUS/MUT, 3000 level or above  3 hrs

1 Two semesters for total 6 hrs
2 Two semesters for total 8 hrs

## 5. Restricted Electives (9 hrs)
- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

## Special Non-Course Requirements: Major Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble Directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

## Special Non-Course Requirements: Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble

## 6. Capstone Requirements
- None

## 7. Foreign Language Requirements

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

## Graduation
- None

## 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

## 9. Additional Requirements
- None

## 10. Required Minors
- None

## 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by the following or departmental examination:
  - MUS 3260C  Introduction to Music Technology  3 hrs

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

## Total Semester Hours Required
- **120**

## Honors In Major
- None

## Related Programs
- Music Education
- Music
- Theatre

## Certificates
- None

## Related Minors
- Music
- Digital Media
- Theatre

## Advising Notes
- None

## Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses
- None

## Plan of Study (120 hrs)

### Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- MUT 1121  Music Theory and Musicianship I  4 hrs
- MVK 1111  Class Piano I  1 hr

### Freshman Year - Spring
- MUS 1010  Music Forum  0 hrs
- MUG 3104  Basic Conducting  2 hrs
- MUH 3211  Music History and Literature I  3 hrs
- MUL 4571  Analysis of Twentieth-Century Music  3 hrs
- MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3483
- MVX 242X Performance II (two semesters)  4 hrs

### Sophomore Year - Fall
- MUC 1101C  Composition I  2 hrs
- MUC 2104C  Composition II  2 hrs
- MUS 1010  Music Forum  0 hrs
- MUG 3104  Basic Conducting  2 hrs
- MUH 3211  Music History and Literature I  3 hrs
- MUH 3212  Music History and Literature II  GEP
- MUL 4571  Analysis of Twentieth-Century Music  3 hrs
- MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3483
- MVX 242X Performance II (two semesters)  4 hrs

### Sophomore Year - Spring
- MUC 2104C  Composition II  2 hrs
- MUS 1010  Music Forum  0 hrs
- MUG 3104  Basic Conducting  2 hrs
- MUH 3211  Music History and Literature I  3 hrs
- MUH 3212  Music History and Literature II  GEP
- MUL 4571  Analysis of Twentieth-Century Music  3 hrs
- MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3483
- MVX 242X Performance II (two semesters)  4 hrs

### Junior Year - Fall
- MUC 3105C  Composition III  3 hrs
- MUC 4106C  Composition IV  4 hrs
- MUT 4401  Counterpoint  3 hrs
- MUT 4311  Orchestration  3 hrs
- MUC 4950  Composition Recital  0 hrs
- One course selected from MUC/MUH/MUS/MUT, 3000 level or above  3 hrs

### Junior Year - Spring
- MUC 3105C  Composition III  3 hrs
- MUC 4106C  Composition IV  4 hrs
- MUT 4401  Counterpoint  3 hrs
- MUT 4311  Orchestration  3 hrs
- MUC 4950  Composition Recital  0 hrs
- One course selected from MUC/MUH/MUS/MUT, 3000 level or above  3 hrs

### Senior Year - Fall
- MUC 4106C  Composition IV  4 hrs
- MUT 4401  Counterpoint  3 hrs
- MUT 4311  Orchestration  3 hrs
- MUC 4950  Composition Recital  0 hrs
- One course selected from MUC/MUH/MUS/MUT, 3000 level or above  3 hrs

### Senior Year - Spring
- MUC 4106C  Composition IV  4 hrs
- MUT 4401  Counterpoint  3 hrs
- MUT 4311  Orchestration  3 hrs
- MUC 4950  Composition Recital  0 hrs
- One course selected from MUC/MUH/MUS/MUT, 3000 level or above  3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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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

**Freshman Year - Spring** 16 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicanship II 4 hrs
MVX 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 - Fall** 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2126 Music Theory and Musicanship III 4 hrs
MVX 2121 Class Piano III 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

**Sophomore Year - Spring** 16 hrs
MUT 2127 Music Theory and Musicanship IV 4 hrs
MVX 2122 Class Piano IV 1 hr
MUS 2104C Composition II 2 hrs
MUS 1107 Explorations in 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

**Junior Year - Fall** 16 hrs
MUH 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
MUS 3/4XXX Restricted Electives 3 hrs
Cultural/Historical Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr
MVX 3/4XXX Restricted Electives 3 hrs

**Junior Year - Spring** 16 hrs
1. STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
2. MUH 3211 Music History and Literature II 3 hrs
MUT 4211 Orchestration 3 hrs
MUC 3105C Composition III 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 3/4XXX Restricted Electives 3 hrs
MVX 3/4XXX Restricted Electives 3 hrs

**Senior Year - Fall** 13 hrs
MUC 4106C Composition IV 4 hrs
MUS 1010 Music Forum 0 hrs
Social Foundation 3 hrs
Science Foundation 3 hrs
MUS 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
MUS 4950 Composition Recital 0 hrs
Social Foundation 3 hrs
MUS 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.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Music - Music Performance Track (B.M.)**
**College of Arts and Humanities**
**Department of Music,**
**Performing Art Center - Music, Room: M203**
http://music.cah.ucf.edu/
**Email:** musicaud@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

**Admission Requirements**

**Audition Requirements for Admission**
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

**Professional Sequence Entrance Review**
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0
  - This review is a prerequisite for Performance Level III.
  - Completion of the following courses:
    - MUS 2360C Introduction to Music Technology
    - MUT 2127 Music Theory and Musicanship IV

**Degree Requirements**
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music Department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.

1. **UCF General Education Program (GEP)** (36 hrs)
   - (See General Education program for detailed information)

A: **Communication Foundations** (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

Take all of the following: 6 hrs
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

B: **Cultural & Historical Foundations** (9 hrs)
- Required MUH 3211 Music History and Literature II 3 hrs
- Select one course from 1.8.1 list 3 hrs
- Select one course from 1.8.2 list 3 hrs

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

You may substitute a higher level math with appropriate scores on the Math Placement Exam.
UCF Degree Programs

Statistics - Computers 3 hrs
Select a course from GEP C.2 list 3 hrs

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

2. Common Program Prerequisites (CPP) (32 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ■ MUT 2121 Music Theory and Musicianship I 4 hrs
   ■ MUT 2122 Music Theory and Musicianship II 4 hrs
   ■ MVK 2121 Class Piano I 1 hr
   ■ MVK 2122 Class Piano II 1 hr
   ■ MVK 2122 Class Piano IV 1 hr
   ■ MUN XXXX Major Ensemble (four semesters) Piano 4 hrs
   ■ students take MUN 3453; guitar students take MUN 3484
   ■ MVX 141X Performance I (2 semesters) 4 hrs
   ■ MVX 242X Performance II (2 semesters) 4 hrs

3. Core Requirements: Basic Level (6 hrs)
   ■ MUL 2014 Introduction to Music History and Literature 3 hrs
   ■ MUS 2360C Introduction to Music Technology 3 hrs
   ■ MUS 1010 Music Forum 0 hrs

4. Core Requirements: Advanced Level (24 hrs)
   ■ MUS 3953 Recital Performance I 0 hrs
   ■ MUS 4954 Recital Performance II 0 hrs
   ■ MUG 3104 Basic Conducting 2 hrs
   ■ MUH 3211 Music History and Literature I 3 hrs
   ■ MUH 4212 Music History and Literature II 3 hrs
   ■ GVX 343X Performance III (2 Semesters) 6 hrs
   ■ GVX 444X Performance IV (2 Semesters) 8 hrs
   ■ MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3484)
   ■ Choose one MUT 3XXX or MUT 4XXX course 3 hrs

Specialty Requirements (Choose One): 22 hrs
   ■ Piano 22 hrs
   ■ MUL 3400 Piano Literature I and 2 hrs
   ■ MUL 3401 Piano Literature II and 2 hrs
   ■ MVK 4640 Piano Pedagogy I and 2 hrs
   ■ MUN 3453 Piano Ensemble and 1 hr
   ■ MUN 3453 Piano Ensemble and 1 hr
   ■ Restricted Electives and 9 hrs
   ■ Electives 5 hrs

   ■ Guitar 22 hrs
   ■ MUL 4437 String Literature and Pedagogy and 3 hrs
   ■ MUN 3487 Guitar Ensemble and 1 hr
   ■ MUN 3487 Guitar Ensemble and 1 hr
   ■ Restricted Electives and 12 hrs
   ■ Electives 5 hrs

   ■ Voice 22 hrs
   ■ MUS 1250 IPA for Singers and 1 hr
   ■ MUS 3525 German and English Lyric Diction and 2 hrs
   ■ MVV 4440 Voice Pedagogy and 2 hrs
   ■ MUL 3602 Song Literature and 3 hrs
   ■ MUN XXXX Major Ensembles and 2 hrs
   ■ MUN XXXX Minor Ensembles and 2 hrs
   ■ Foreign Language (French, German, or Italian) 8 hrs

   ■ Woodwinds 22 hrs
   ■ MUL 4444 Woodwind Literature and Pedagogy and 3 hrs
   ■ MUN XXXX Major Ensembles and 2 hrs
   ■ MUN XXXX Minor Ensembles and 4 hrs
   ■ Restricted Electives and 8 hrs
   ■ Electives 5 hrs

   ■ Brass 22 hrs
   ■ MUL 4443 Brass Literature and Pedagogy and 3 hrs
   ■ MUN XXXX Major Ensembles and 2 hrs
   ■ MUN XXXX Minor Ensembles and 4 hrs
   ■ Restricted Electives and 8 hrs
   ■ Electives 5 hrs

5. Restricted Electives 22 hrs
   ■ 0-15 hrs
   ■ Any MUC, MUE, MUG, MUH, MUL, MUM, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   ■ None

8. Electives
   ■ Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements
   Special Non-Course Requirements:
   Major Ensemble Participation
   ■ Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
   ■ Ensemble assignment is by the Ensemble directors.
   ■ Students must take Major Ensemble during each semester at UCF.
   ■ Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

   Minor Ensemble Participation
   ■ If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
   ■ If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
   ■ Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ Earn a grade of “C” (2.0) or better in each Music course.
    ■ Computer Competency met by the following course, or departmental examination:
      ■ MUS 2360C Introduction to Music Technology 3 hrs

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

Total Semester Hours Required
■ 120
## UCF Degree Programs

### Freshman Year - Fall

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<td>MVK 1111</td>
<td>Class Piano I</td>
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### Freshman Year - Spring

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### Sophomore Year - Fall

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<td>MUS 1126</td>
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<td>Music Forum</td>
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<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
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### Sophomore Year - Spring

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<td>MUS 1010</td>
<td>Music Forum</td>
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<td>MUG 1106</td>
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<tr>
<td>Cultural</td>
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<td>MVX 242X</td>
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### Junior Year - Fall

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<td>Cultural</td>
<td>&amp; Historical Foundation</td>
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<td>MUX 343X</td>
<td>Performance III</td>
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### Junior Year - Spring

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<td>MUT 4571</td>
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### Senior Year - Fall

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<td>MUP 4571</td>
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<td>Cultural</td>
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<td>MUN XXXX</td>
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</tbody>
</table>

### Program A: Strings, Woodwinds, Brass

- None

### Program B: Percussion

- None

### Related Programs

- Music Education
- Theatre - Musical Theatre Track
- Digital Media

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

- Program A: Strings, Woodwinds, Brass
- Program B: Percussion

### Admission Notes

- None

### Transfer Notes

- None

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

---

**Honors in Major**

- None

**Related Programs**

- Music Education
- Music
- Theatre - Musical Theatre Track

**Certificates**

- None

**Related Minors**

- Music
- Theatre
- Digital Media

**Advising Notes**

- None

**Transfer Notes**

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
### Program C: Piano

<table>
<thead>
<tr>
<th>Year</th>
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<td>ENC 1101 Composition I</td>
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### Program D: Guitar

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### Undergraduate Catalog 2013-2014
Senior Year - Fall 16 hrs
MUS 1010 Music Forum 0 hrs
MUN 3487 Guitar Ensemble 1 hr
Science Foundation 3 hrs
MUX 3/4XXX Restricted Elective 3 hrs
Free Elective 2 hrs

Senior Year - Spring 14 hrs
MUS 1010 Music Forum 0 hrs
MUS 4954 Recital Performance II 0 hrs
MUN 3487 Guitar Ensemble 1 hr
Social Foundation 3 hrs
MUX 3/4XXX Restricted Electives 3 hrs
Free Elective 3 hrs

Program E: Voice

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MUS 1250 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 Lycn Diction 2 hrs
MVK 1112 Class Piano II 1 hr
MUS 1010 Music Forum 0 hrs
MUS 2360C 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 Lycn Diction 2 hrs
MVK 2121 Class Piano III 1 hr
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MVV 2421 Voice II 2 hrs
MUN XXXX Major Ensemble 1 hr

Sophomore Year - Spring 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 1063C Basic Statistics Using Microsoft Excel 3 hrs
MVV 2421 Voice II 2 hrs
Cultural & Historical Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr
Professional Sequence Entrance Review

Junior Year - Fall 15 hrs
MUH 2311 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 2312 Music History and Literature II 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 3953 Recital Performance I 0 hrs
MVV 3431 Voice III 2 hrs
Cultural & Historical Foundation 3 hrs
XXX 2121 Foreign Language 4 hrs
MUN XXXX Major Ensemble 1 hr
MUN XXXX Minor Ensemble 1 hr

Senior Year - Fall 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 3802 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,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu/
Email: musicaud@ucf.edu
Dr. Kelly Miller, kelly.miler@ucf.edu, 407-823-4545

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.

Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.

Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements - Professional Program
- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty.
- To apply for the Music Education Professional Program, students must:
  - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.
  - Have a minimum overall GPA of 2.5 and a grade of “C” (2.0) or better in each performance, education, and music education course.
  - Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.
  - Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).
UCF Degree Programs

To be accepted into the Music Education Professional Program students must:
- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 2127, and two semesters of Performance II.

Notes:
- (1) Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.
- (2) Students who change degree programs and select this major must adopt the most current catalog.
- (3) Common program prerequisites are subject to revision based on changes Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
  - (See General Education Program for detailed information)
- A: Communication Foundations (9 hrs)
  - Prefer SPC 1608 Fundamentals of Oral Communication
  - Take all of the following:
    - Required ENC 1101 Composition I and 3 hrs
    - Required ENC 1102 Composition II 3 hrs

2. Cultural & Historical Foundations (9 hrs)
  - Required MUH 3212 Music History and Literature II 3 hrs
  - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
  - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

3. Core Requirements: Basic Level (5 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 2045 Introduction to Diversity for Educators 3 hrs
  - MUT 1121 Music Theory and Musicianship I 4 hrs
  - MUT 1122 Music Theory and Musicianship II 4 hrs
  - MUT 2126 Music Theory and Musicianship IV 4 hrs
  - MVK 2122 Class Piano IV 1 hr
  - MVK 2123 Class Piano V 1 hr
  - MUG 3104 Major Ensembles (4 semesters) CPP
  - MVX 141X Performance I (2 semesters) CPP
  - MVX 242X Performance II (2 semesters) CPP

4. Core Requirements: Advanced Level (29 hrs)
  - MUG 3104 Basic Conducting 2 hrs
  - MUH 3211 Music History and Literature I 3 hrs
  - MUH 3212 Music History and Literature II and GEP 3 hrs
  - MUE 3942 Music Internship I and 3 hrs
  - MUE 4311 Elementary School Music Methods and 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 2 hrs
  - MUE 4332 Secondary Instrumental Methods I 3 hrs
  - MUE 4943 Music Internship II 12 hrs
  - Select 1: MUE 4337 Secondary Instrumental Methods II or 3 hrs
  - MUE 4441 String Methods 3 hrs
  - Select 5: 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 4271 Percussion Techniques II or 1 hr
  - MUE 2440 String Techniques 1 hr

Program B - Choral
  - MUS 1250 IPA for Singers 1 hr
  - MUG 3202 Choral Conducting and Materials 2 hrs
  - MVV 4640 Voice Pedagogy 2 hrs
  - MUE 3431 Secondary Choral Methods I 3 hrs
  - MUE 4335 Secondary Choral Methods II 3 hrs
  - MUE 4943 Music Internship II 12 hrs
  - Select 3: 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 4271 Percussion Techniques II or 1 hr
  - MUE 2440 String Techniques 1 hr

Program C - Elementary School
  - MUE 2346 Vocal Techniques 1 hr
  - MUE 4389 Music and Students with Special Needs 2 hrs
  - MUE 3353 General Music Literature and Techniques 2 hrs
  - MUE 3431 Secondary Choral Methods I 3 hrs
  - MUE 4943 Music Internship II 12 hrs
  - MUG 2002 Choral or Instrumental Conducting and Materials 2 hrs
6. Capstone Requirements
- None

7. Foreign Language Requirements

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

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.
- 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.
- 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
UCF Degree Programs

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 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).
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- 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.
- None

Senior Year - Fall 17 hrs

- ESE 3940 Internship I - Secondary 3 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- ESE 4080 Theory and Practice of Teaching ESOL 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- MUG 3302 Basic Conducting 3 hrs
- EMU 4441 String Methods 3 hrs
- MVX 343X Performance III 3 hrs
- MUN XXXX Ensemble 1 hr

Select 1:

- MUE 4335 Secondary Choral Methods II or 3 hrs
- MUE 4441 String Methods 3 hrs
- GEP 3 hrs
- MVX 343X Performance III 3 hrs
- MUN XXXX Ensemble 1 hr

CMENC/Schools

Senior Year - Spring 15 hrs

- ESE 4943 Internship II - Secondary 7 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- GEP 3 hrs

University of Central Florida
**Senior Year - Summer**  
9 hrs  
- GEP 3 hrs  
- GEP 3 hrs  
- GEP 3 hrs

**Program B - Choral Program K-12**

**Freshman Year - Fall**  
17 hrs  
- EDF 2005 Introduction to the Teaching Profession 3 hrs  
- MUT 1121 Music Theory and Musicianship I 4 hrs  
- MVK 1111 Class Piano I 1 hr  
- MUS 1250 IPA for Singers 1 hr  
- MUS 1010 Music Forum 0 hrs  
- MVX 141X Performance I 2 hrs  
- MUN XXXX Ensemble 1 hr

**Sophomore Year - Fall**  
15 hrs  
- MUS 1010 Music Forum 0 hrs  
- MUT 2126 Music Theory and Musicianship III 4 hrs  
- MVK 2121 Class Piano III 1 hr  
- MUE 3211 Music History and Literature I 3 hrs  
- GEP 6 hrs  
- MUE XXXX Techniques 1 hr  
- MVX 242X Performance II 2 hrs  
- MUN XXXX Ensemble 1 hr

**Junior Year - Fall**  
16 hrs  
- MUS 1010 Music Forum 0 hrs  
- MUG 3104 Basic Conducting 2 hrs  
- MUE 4331 Secondary Choral Methods I 3 hrs  
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs  
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
- MVX 343X Performance III 2 hrs  
- MUN XXXX Ensemble 1 hr

**Junior Year - Spring**  
15 hrs  
- 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  
- MUS 2360C Introduction to Music Technology 3 hrs  
- MUE XXXX Techniques 1 hr  
- MVX 343X Performance III 2 hrs  
- MUN XXXX Ensemble 1 hr

**Senior Year - Fall**  
14 hrs  
- 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  
- GEP 3 hrs

**Senior Year - Spring**  
15 hrs  
- ESE 4943 Internship II - Secondary 7 hrs  
- MUE 4394 Seminar in Music Teaching 1 hr  
- MUE 4943 Music Internship II 12 hrs  
- GEP 3 hrs

**Junior Year - Summer**  
9 hrs  
- Remaining 3 GEP courses taken as part of 9 required summer hours

**Program C - Elementary Program**

**Freshman Year - Fall**  
17 hrs  
- EDF 2005 Introduction to the Teaching Profession 3 hrs  
- MUT 1121 Music Theory and Musicianship I 4 hrs  
- MVK 1111 Class Piano I 1 hr  
- MUE 2346 Vocal Techniques 1 hr  
- MUS 1010 Music Forum 0 hrs  
- MVX 141X Performance I 2 hrs  
- MUN XXXX Ensemble 1 hr

**Sophomore Year - Fall**  
15 hrs  
- MUS 1010 Music Forum 0 hrs  
- MUT 2126 Music Theory and Musicianship III 4 hrs  
- MVK 2121 Class Piano III 1 hr  
- MUE 3211 Music History and Literature I 3 hrs  
- GEP 3 hrs  
- MUE 3333 Music Learning Theory and Assessment 3 hrs  
- GEP 3 hrs

**Junior Year - Fall**  
16 hrs  
- Take General Knowledge Test  
- MUL 2014 Introduction to Music History and Literature 3 hrs  
- MUT 1122 Music Theory and Musicianship II 4 hrs  
- MVK 1111 Class Piano I 1 hr  
- MUS 1010 Music Forum 0 hrs  
- MVX 141X Performance I 2 hrs  
- MUN XXXX Ensemble 1 hr

**Senior Year - Fall**  
14 hrs  
- 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  
- GEP 3 hrs

**Senior Year - Spring**  
15 hrs  
- ESE 4943 Internship II - Secondary 7 hrs  
- MUE 4394 Seminar in Music Teaching 1 hr  
- MUE 4943 Music Internship II 12 hrs  
- GEP 3 hrs

**Junior Year - Summer**  
9 hrs  
- Remaining 3 GEP courses taken as part of 9 required summer hours

**Sophomore Year - Spring**  
16 hrs  
- 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  
- MVX 242X Performance II 2 hrs  
- MUN XXXX Ensemble 1 hr

**Junior Year - Fall**  
16 hrs  
- MUS 1010 Music Forum 0 hrs  
- MUG 3104 Basic Conducting 2 hrs  
- MUE 4331 Secondary Choral Methods I 3 hrs  
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs  
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
- MVX 343X Performance III 2 hrs  
- MUN XXXX Ensemble 1 hr

**Junior Year - Spring**  
16 hrs  
- MUS 1010 Music Forum 0 hrs  
- MUG 3104 Basic Conducting 2 hrs  
- MUE 4331 Secondary Choral Methods I 3 hrs  
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs  
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
- MUE 4393 Music and Students with Special Needs 2 hrs  
- MUN XXXX Ensemble 1 hr

**Junior Year - Fall**  
15 hrs  
- MUS 1010 Music Forum 0 hrs  
- MUG 3104 Basic Conducting 2 hrs  
- MUE 4331 Secondary Choral Methods I 3 hrs  
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs  
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
- MUE 4393 Music and Students with Special Needs 2 hrs  
- MUN XXXX Ensemble 1 hr

**Junior Year - Spring**  
16 hrs  
- MUS 1010 Music Forum 0 hrs  
- MUG 3104 Basic Conducting 2 hrs  
- MUE 4331 Secondary Choral Methods I 3 hrs  
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs  
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
- MUE 4393 Music and Students with Special Needs 2 hrs  
- MUN XXXX Ensemble 1 hr

**Senior Year - Fall**  
14 hrs  
- 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  
- GEP 3 hrs

**Senior Year - Summer**  
9 hrs  
- Remaining 3 GEP courses taken as part of 9 required summer hours

**Junior Year - Summer**  
9 hrs  
- Remaining 3 GEP courses taken as part of 9 required summer hours
UCF Degree Programs

Junior Year - Spring 16 hrs
MUS 1010 Music Forum 0 hrs
MUE 3353 General Music Literature and Techniques 2 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
MUS 3953 Recital Performance I 0 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUS 3302 Choral or Instrumental Conducting 2 hrs
GEP 3 hrs
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Senior Year - Fall 15 hrs
■ Take PET and Music Examination of FTCE 3 hrs
ESE 3940 Internship I - Secondary 3 hrs
MUE 3333 Music Learning Theory and Assessment 3 hrs
Select 1: 3 hrs
MUE 4331 Secondary Choral Methods I or Theory and Practice of Teaching ESOL 3 hrs
TSL 4080 Students in Schools 3 hrs
GEP CMENC

Senior Year - Spring 15 hrs
ESE 4943 Internship II - Secondary 7 hrs
MUE 4394 Seminar in Music Teaching 1 hr
MUE 4943 Music Internship II 12 hrs
GEP 3 hrs
CMENC

Senior Year - Summer 9 hrs
■ Remaining 3 GEP courses taken as part of 9 required summer hours
Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/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
Email: ucnurse@ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean, Undergraduate
Patricia Leli, Undergraduate Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses.
The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with a basic faculty advisor.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements
■ Acceptance to the university does not constitute admission to the upper division nursing program
■ Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
■ Application for admission to the University must also be submitted by the program application deadline.
■ All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
■ All applicants must have a minimum overall GPA of 3.0
■ Selected applicants will be invited to a mandatory personal interview session
■ A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
■ All applicants are encouraged to attend an information session, prior to submitting the application.
■ Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
■ At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline. This includes 3 courses from Group A, and the remainder from Groups A or B.

Group A 9 hrs
■ A minimum of three courses, with a grade of C (2.00) or better.
■ May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
Microbiology with Lab 4 hrs
Anatomy with Lab 4 hrs
Physiology with Lab 4 hrs
General Chemistry (or other approved science) 3 hrs

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 3 hrs
Psychology 3 hrs
Developmental Psychology 3 hrs
Human Nutrition 3 hrs
Statistics 3 hrs

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog year, including any minors
■ Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites
■ A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program
■ UCF Residency Requirement: 30 hours
1. UCF General Education Program (GEP) 38 hrs
■ Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution, and should be completed in the first 60 hours.

A: Communication Foundations 9 hrs
B: Cultural & Historical Foundations 9 hrs
C: Mathematical Foundations 6 hrs
1. Mathematics 3 hrs
■ You may substitute a higher level math with appropriate scores on the Math Placement Test.
Prefer MAC 1105C College Algebra 3 hrs
2. Statistics 3 hrs
Required STA 2014C Principles of Statistics or 3 hrs
Required STA 223 Statistical Methods I 3 hrs
D: Social Foundations (6 hrs)

1. Economics/Political Science 3 hrs
   Prefer ECO 2033 Principles of Macroeconomics or 3 hrs
   Prefer ECO 2023 Principles of Microeconomics or 3 hrs
   Prefer POS 2041 American National Government 3 hrs

2. Social Sciences 3 hrs
   Prefer PSY 2012 General Psychology or 3 hrs
   Prefer SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (8 hrs)

1. Physical Sciences 3 hrs
   Suggested CHM 1032 General Chemistry 3 hrs

2. Life Sciences 4 hrs
   Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information and possible substitutions.
   ■ Some of these courses have prerequisites that must be taken first.
   ■ Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
   ■ Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at http://www.nursing.ucf.edu

   MCB 2004C Microbiology for Health Professionals 4 hrs
   ZOO 3733C Human Anatomy 4 hrs
   PCB 3703C Human Physiology 4 hrs
   HUN 3011 Human Nutrition 3 hrs
   1 CHM 1032 General Chemistry GEP

   Select 1: 3 hrs
   STA 2014C Principles of Statistics or
   STA 2023 Statistical Methods I GEP

   Select 1: 3 hrs
   SOW 3104 Assessing I: Human Development or
   DEP 2004C Developmental Psychology 3 hrs

   Select 1: 3 hrs
   PSY 2012 General Psychology or
   SYG 2000 Introduction to Sociology GEP

   1 or other approved Science

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
   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 I: Clinical Practice 2 hrs
   NUR 3445 Nursing Care of Families 3 hrs
   NUR 3445L Nursing Care of Families Clinical 2 hrs
   NUR 3165 Nursing Research 3 hrs
   NUR 4837 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 4825L Nursing Practicum 4 hrs
   NUR 4828 Nursing Leadership, Management and Role Transition

   NUR 4637 Public Health Nursing 2 hrs
   NUR 4637L Public Health Nursing Clinical 1 hr

5. Restricted Electives (3 hrs)
   Nursing Electives
   ■ One College of Nursing elective

6. Capstone Requirements
   ■ None

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

8. Electives
   ■ None

9. Additional Requirements
   ■ Students pursuing a BS degree must meet the University foreign language admission requirements before admission.
   ■ Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program. Students must:
     ■ Complete all courses in major with at least a "C" (2.0).
     ■ Maintain a UCF GPA of 2.5 or above.
     ■ Maintain a College of Nursing GPA of 2.5 or above.

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ All courses in major must be "C" (2.0) or better.
    ■ The UCF GPA must be 2.5 or above.
    ■ The College of Nursing GPA must be 2.5 or above.

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

Total Semester Hours Required
■ 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 do not substitute for upper division courses.
■ Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses
- The following substitutions for Common Program
- Prerequisites are acceptable if taken prior to transferring to UCF.
  - CHM 1032: May substitute any college Chemistry course or approved Science course. 3 hrs
  - DEP 2004C: May substitute any Human Growth & Development across Life Span. 3 hrs
  - HUN 3011: May substitute any Human Nutrition course. 3 hrs
  - MCB 2004C: May substitute any General Microbiology course which has a lab. 4 hrs
  - PCB 3703C: May take Anatomy and Physiology sequence (AP I & II). 4 hrs
  - PSY 2012: May substitute any General Psychology course. 3 hrs
  - STA 2014C: May substitute STA2023 or equivalent. 3 hrs
  - SYG 2000: May substitute any introductory Sociology course. 3 hrs
  - ZOO 3733C: May take Anatomy and Physiology sequence (AP I & II). 4 hrs

Junior Year - Spring 16 hrs
Junior Year - Fall 15 hrs
Sophomore Year - Spring 13 hrs
Sophomore Year - Fall 13 hrs
Junior Year - Summer 6 hrs
Senior Year - Fall 12 hrs
Senior Year - Spring 13 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $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/
Email: ucfnurse@ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Dr. Stephen Heglund, RN to MSN Coordinator
Phone: 407-823-2744

A partnership between selected Florida College System institutions and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements
- Acceptance to the University does not constitute admission to this program. Only students admitted to the Florida College System institution Nursing Programs are eligible for this enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to UCF and College of Nursing. Students are accepted into this program for their first semester of nursing and must progress according to a designated plan of study.
  - Students must be accepted by UCF prior to beginning 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.
  - Completed application to a Florida College System institution ASN Nursing program.
  - An AA degree from a Florida College System or State University System institution or have met ALL UCF General Education requirements prior to program start.
  - Met UCF Foreign Language admission requirement prior to program start.
UCF Degree Programs

- Completed seven out of eight pre-requisite coursework for UCF and all of the ASN nursing programs by deadline.
- A satisfactory score on the standardized entry test(s) required by both programs.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Preferred MAC 1105C College Algebra 3 hrs
   Select 1: Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I or 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Prefer SYG 2000 Introduction to Sociology or 3 hrs
   Prefer PSY 2012 General Psychology 3 hrs
   Select 2: 3 hrs
   Prefer ECO 2006 Principles of Microeconomics or 3 hrs
   Prefer ECO 2015 Principles of Macroeconomics or 3 hrs
   Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (7 hrs)
   Required BSC 2010C Biology I 4 hrs
   Required CHM 1032 General Chemistry 3 hrs
   1 Science Foundation is six credit hours for General Education Program. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
   2 or other Physical Science

2. Common Program Prerequisites (CPP) (18 hrs)
- Applicants should see a UCF Nursing Advisor for possible course substitutions.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

MCB 2004C Microbiology for Health Professionals 4 hrs
1 CHM 1032 General Chemistry GEP
2 ZOO 2004C Human Nutrition 4 hrs
1 Required BSC 2010C Biology I 4 hrs
2 Required CHM 1032 General Chemistry 3 hrs

Select 1: STA 2023 Statistical Methods I or 3 hrs
2 Select 1: STA 2014C Principles of Statistics or 3 hrs
Select 2: SOW 2004 Assessing I: Human Development or 3 hrs
1 DEP 2004C Developmental Psychology 3 hrs
Select 1: 3 hrs
1 Required SYG 2000 Introduction to Sociology or 3 hrs
2 Required SYG 2000 Introduction to Sociology or 3 hrs

1 Or other approved science. Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

2 May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.
3 Also meets General Education sequence (AP I & II) of six-eight total credits.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (55 hrs)
Core UCF Requirements 28 hrs
- NUR 3805 Professional Socialization Seminar 1 hr
- NUR 3865 Health Assessment 2 hrs
- NUR 3865L Health Assessment Lab 1 hr
- NUR 3865 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 4826 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
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Upper Division Credit 27 hrs
- May be met by validation
- NUR 3028 Essentials of Nursing Practice 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 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 (3 hrs)
- Any one upper division nursing elective 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to program start.

Graduation
- None

8. Electives
- variable to meet degree requirements

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- Overall Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

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

Total Semester Hours Required
- 120

Honors In Major
- See Nursing HIM Advisor
Nursing - R.N. to B.S.N. Program (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucfnurse@ucf.edu
Dr. Stephen Heglund, RN to BSN Coordinator
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Jean Leuner, Dean
Phone: 407-823-2744

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see http://distrib.ucf.edu/home and http://www.nursing.ucf.edu.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
  - Admission to UCF undergraduate program; graduation from an approved or accredited associate degree or diploma nursing program; current Licensure as an RN and, have either completed the UCF General Education Program (GEP) requirements or completed an AA degree from a Florida College System or State University System institution or have no more than a total of 9 credit hours remaining to meet UCF General Education and/or Foreign Language graduation requirements.
  - Completion of program prerequisite courses with at least a grade of “C” (2.0) or better in each course.
  - A minimum overall GPA of 2.8

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding Common Program Prerequisites (CPP) requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education - 36 hours) must be completed prior to enrolling in NUR 3634 - Community Health Nursing.
- The Foreign Language graduation requirement must be completed before enrolling in NUR 3634 - Community Health Nursing.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Preference: MAC 1105C Calculus I

Select 1:
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I or 3 hrs

Select 2:
- Required SYG 2000 Introduction to Sociology or 3 hrs
- Required PSY 2012 General Psychology 3 hrs

Select 1:
- Suggested ECO 2013 Principles of Microeconomics or 3 hrs
- Suggested ECO 2023 Principles of Microeconomics or 3 hrs
- Suggested POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements.

2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:
- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs

Select 1:
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I or 3 hrs

Select 1:
- Required SOW 3104 Assessing I: Human Development or 3 hrs
- Required DEP 2004C Developmental Psychology 3 hrs

1 PSY 2012 or SYG 2000 Also meet General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2 Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
3 (or other approved Science)Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
4 May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (54 hrs)
UFC Core
- NUR 3805 Dimensions of Professional Nursing 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 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 4828 Nursing Leadership, Management and Role 3 hrs
- NUR 4637 Public Health Nursing 2 hrs

Upper Division Credit (27 hrs)
- Upper Division Credit may be met by Validation and RN License.
  - NUR 3028 Essentials of Nursing Practice 2 hrs
  - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
  - NUR 3028L Essentials of Nursing Practice Lab 1 hr
  - NUR 3225 Nursing Care of the Adult I 3 hrs
  - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
  - NUR 3445 Nursing Care of Families 3 hrs
  - NUR 3445L Nursing Care of Families Clinical 2 hrs
  - NUR 4227 Nursing Care of the Adult II 4 hrs
  - NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
  - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
  - NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (3 hrs)
- Any one upper division nursing elective (NUR, NSP, NGR prefix)

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

- Graduation
  - None

8. Electives
- variable to meet degree requirements

9. Additional Requirements

- Progression 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.
  - Prior to NUR 3634 Community Health Nursing: 1) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida College System or State University System institution; 4) complete foreign language admission requirement.

- Other:
  - Selected courses may be offered at regional campuses of Daytona, Cocoa, and Leesburg.
  - The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.
  - A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- Overall cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

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

Total Semester Hours Required
- 120

Honors In Major
- Contact Program Coordinator or HIM Advisor

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Information Management
- Health Services Administration
- Psychology

Advising Notes
- Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (30 hrs)
- assuming general education, foreign language, and nursing prerequisites are complete

Junior Year - Fall
- NUR 3805 Dimensions of Professional Nursing 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs

Junior Year - Summer
- NUR 4637 Health Care Issues, Policy, and Economics 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Fall
- NUR 4628 Nursing Leadership, Management and Role Transition 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Spring
- NUR 4604L Practicum in Community and Public Health 4 hrs
- NUR 4637 Public Health Nursing 2 hrs

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

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
UCF Degree Programs

Philosophy (B.A.)
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: Philosophy2@ucf.edu
Dr. Don Jones, Don.Jones@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu
Phone: 407-823-2273

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must earn at least a “C” (2.0) in each required course.
■ Co-op or internship credit cannot be used in this major without prior departmental approval.
■ Students should consult with a departmental advisor.
■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
Required HUM 2210 Humanistic Tradition I 3 hrs
Required HUM 2230 Humanistic Tradition II 3 hrs
Required PHI 2010 Introduction to Philosophy 3 hrs

B: Cultural & Historical Foundations (9 hrs)

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

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers 3 hrs
Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
■ None

3. Core Requirements: Basic Level (36 hrs)
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 6 hrs
1 PHI 3083 Research Methods in Philosophy 3 hrs
PHI 4938 Senior Research Seminar 3 hrs

1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

Reasoning 6 hrs
Select 2: 6 hrs
PHI 2011 Philosophical Reasoning or 3 hrs
PHI 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
PHI 3100 Ancient Philosophy or 3 hrs
PHI 3200 Medieval Philosophy or 3 hrs
PHI 3460 Modern Western Philosophy 3 hrs

Select 1: 3 hrs
PHI 3600 Contemporary Philosophy or 3 hrs
PHI 3510 Marx and Nietzsche or 3 hrs
PHI 3700 American Philosophy or 3 hrs
PHI 3790 African Philosophy 3 hrs

Values and Society 6 hrs
Select 2: 6 hrs
PHI 3670 Ethical Theory or 3 hrs
PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
PHM 3401 Philosophy of Law or 3 hrs
PHI 3800 Aesthetics or 3 hrs
PHI 3123 Feminist Theories or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3625 Virtual Ethics or 3 hrs
PHI 4633 Ethics and Biological Science or 3 hrs
PHM 3100 Freedom and Justice or 3 hrs
PHI 3640 Environmental Ethics or 3 hrs
PHM 4031 Environmental Philosophy or 3 hrs
PHI 3701 Native American Philosophy or 3 hrs
PHI 3805 Contemporary Aesthetics 3 hrs
HUM 4623 Queer Theory in the Humanities 3 hrs

Being and Knowing 6 hrs
Select 2: 6 hrs
PHI 4500 Metaphysics or 3 hrs
PHI 4341 Ways of Knowing or 3 hrs
PHI 4300 Theories of Knowledge or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 4400 Philosophy of Science or 3 hrs
PHI 3320 Philosophy of Mind or 3 hrs
PHI 3451 Philosophy of Psychology or 3 hrs
PHI 4420 Philosophy of Social Science or 3 hrs
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs

Topics in Philosophy 3 hrs
Select 1: 3 hrs
Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

PHI 4311 Philosophy in the News or 3 hrs
PHI 4321 Philosophies of Embedment: Mind/Body/Self or 3 hrs
PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or 3 hrs

PHI 4804 Critical Theory or 3 hrs
PHP 3783 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 3603 Philosophy and Creativity or 3 hrs
REL 3111 Religion and Philosophy Through Film or 3 hrs
PHP 3786 Existentialism or 3 hrs
HUM 4330 Performance Theory or 3 hrs
PHI 4935 Topics in Philosophy of Mind or 3 hrs
PHP 4933 Key Concepts in Philosophy or 3 hrs
PHI 4931 Key Figures in Philosophy 3 hrs

5. Restricted Electives (6 hrs)
Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
Met by graduation requirement.
Graduation
Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.
**UCF Degree Programs**

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a “C” (2.0) or better in each required course.
    - Departmental Exit Exam in final semester, included in PHI 4938: Senior Research Seminar
    - To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

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

**Total Semester Hours Required**
- 120

**Honors In Major**
- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

**Core Requirements**
- 36 hrs
  - Same requirements as for regular majors, but must include the following:
    - PHI 2101 Formal Logic I 3 hrs

**Upper Division Restricted Electives**
- 6 hrs
  - Same as requirement for regular majors

**Honors Thesis**
- PHI 4903H Honors Directed Reading I 1 hr
- PHI 4970H Undergraduate Honors Thesis 1 hr

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- One of numerous possible plans of study. See program description for all requirements.

**Freshman Year - Fall**
- 16 hrs
  - ENC 1101 Composition I 3 hrs
  - HUM 2210 Humanistic Tradition I 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - PHI 4903H Honors Directed Reading I 1 hr
  - PHI 4970H Undergraduate Honors Thesis 1 hr

**Freshman Year - Spring**
- 16 hrs
  - ENC 1102 Composition II 3 hrs
  - HUM 2230 Humanistic Tradition II 3 hrs
  - MGF 1106 Finite Mathematics 3 hrs
  - PHI 2010 Introduction to Philosophy 3 hrs
  - SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

**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
  - PHI 3083 Research Methods in Philosophy 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

**Senior Year - Fall**
- 15 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs

**Senior Year - Spring**
- 15 hrs
  - PHI 4938 Senior Research Seminar 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs

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

Photography (B.S.)
College of Arts and Humanities
School of Visual Arts and Design
(This program is offered at UCF at the Daytona Beach Campus)
http://svad.cah.ucf.edu/bsphotography
Phone: 386-506-4034

(This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-Studio B.A. and Art-Studio B.F.A. programs.) The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, school courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- Completion of an A.S. in Photographic Technology from Daytona State College or equivalent coursework.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Students must earn at least a “C” (2.0) in each required upper level course and maintain an overall GPA of at least 2.0.
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (36 hrs)
- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - SPC 2600 Speech (A.S.) 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required ARH 2051 History of Western Art II 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Required MAC 1105C College Algebra or 3 hrs
   - MGF 2106 College Mathematics or 3 hrs
   - MGF 2107 Mathematics for Liberal Arts 3 hrs
   - Computer Science or Statistics 3 hrs

   D: Social Foundations (6 hrs)
   - Political Science or Economics 3 hrs
   - Psychology or Sociology (If not already completed as part of the A.S. degree, after acceptance into the program.) 3 hrs

   E: Science Foundations (6 hrs)
   - Physical Science 3 hrs
   - Life Science 3 hrs

2. Common Program Prerequisites (CPP)
- Included in A.S. or B.S. requirements.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   Subject to change. Prerequisites have not been set by the state.

   1 ARH 2051 History of Western Art II GEP
   2 PGY 3651C Narrative Editorial Photography 3 hrs
   3 PGY 1403* Fundamentals of Photography (Already included in A.S. requirements)
   4 PGY 3653C Advanced Editorial Photography 3 hrs
   5 PGY 3751C Videography 3 hrs
   6 PGY 3821C Advanced Digital Photography 3 hrs
   7 PGY 4003 Image, Culture, and Society 3 hrs
   8 PGY 4228C Advanced Illustrative Photography 3 hrs
   9 PGY 4471 Photography Thesis 3 hrs
   10 PGY 3651C Narrative Editorial Photography CPP

Select one of the following courses:
- CRW 3011 Creative Writing for Non-Majors or 3 hrs
- ENC 3250 Professional Writing 3 hrs

3. Core Requirements: Basic Level (49 hrs)
- Completed in the A.S. in Photographic Technology at Daytona State College, or equivalent coursework.

4. Core Requirements: Advanced Level (33 hrs)
- PGY 3002 Contemporary Photography 3 hrs
- PGY 3205C Photographic Lighting Techniques 3 hrs
- PGY 3276 The Professional Environment 3 hrs
- PGY 3472C Photo Visualization 3 hrs
- PGY 3635C Advanced Editorial Photography 3 hrs
- PGY 3751C Videography 3 hrs
- PGY 3821C Advanced Digital Photography 3 hrs
- PGY 4003 Image, Culture, and Society 3 hrs
- PGY 4228C Advanced Illustrative Photography 3 hrs
- PGY 4471 Photography Thesis 3 hrs
- PGY 3651C Narrative Editorial Photography CPP

5. Restricted Electives (6 hrs)

Select two of the following courses:
- PGY 3451C Alternative Processes 3 hrs
- PGY 3480 Museum and Gallery Practices 3 hrs
- PGY 3703C Photography & the Web 3 hrs
- PGY 4235C Professional Photographic Workshop 3 hrs
- PGY 4493C Photography and Art 3 hrs
- PGY 4941 Internship 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Graduation

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
127

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
http://svad.cah.ucf.edu/bsphotography
UCF Degree Programs

Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the Office of Undergraduate Admissions or postsecondary schools and may be transferred directly to UCF programs. To enroll in a UCF program, these courses must be evaluated for equivalency.

Plan of Study
- None

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

 Photonic Science and Engineering (B.S.P.S.E.)

College of Optics and Photonics
CREOL, Room 101
Phone: 407-823-6800

The Bachelor of Science in Photonic Science and Engineering degree is designed to prepare the next generation of engineers for the growing optics and photonics industry, which has a broad set of applications including manufacturing, healthcare, telecommunications, defense, security, and entertainment. The program draws on UCF’s internationally recognized strengths in the field of optics and lasers and is matched to the strong photonics industry in Central Florida.

The degree is offered jointly by the College of Optics and Photonics and the College of Engineering and Computer Science.

Admission Requirements
- Students who wish to declare their major in Photonic Science and Engineering must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

Degree Requirements
- Majors in the B.S.P.S.E. degree are required to achieve a 2.250 or greater GPA for their engineering core courses, together with the courses required for the major, technical elective courses, and the senior design courses.

1. UCF General Education Program (GEP) (38 hrs)
- Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1: (3 hrs)
- Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Cultural Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: (3 hrs)
- Suggested ECO 2013 Principles of Macroeconomics 3 hrs
- Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: (4 hrs)
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (14 hrs)
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3211 Engineering Analysis and Computation 3 hrs
- EGN 3310 Engineering Analysis-Statistics 3 hrs
- PHY 3101 Physics for Engineers and Scientists I 3 hrs

Select 1: (3 hrs)
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

4. Core Requirements: Advanced Level (42 hrs)
- EEL 3004C Electrical Networks 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEE 3307C Electronics I 4 hrs

Photronics Requirements (25 hrs)
- OSE 3952 Introduction to Photonics 3 hrs
- OSE 3952L Introduction to Photonics Laboratory 1 hr
- OSE 3953 Electromagnetic Waves for Photonics 1 hr
- OSE 4520 Laser Engineering 3 hrs
- OSE 4520L Laser Engineering Laboratory 1 hr
- OSE 4410 Optoelectronics 3 hrs
- OSE 4410L Optoelectronics Laboratory 1 hr
- OSE 4470 Fiber-Optic Communications 3 hrs
- OSE 4470L Fiber-Optic Communications Laboratory 1 hr
- OSE 4830 Imaging and Display 3 hrs
- OSE 4830L Imaging and Display Laboratory 1 hr
- OSE 4930 Frontiers of Optics and Photonics 2 hrs

5. Restricted Electives (9 hrs)
- Students must select at least 3 credit hours of restricted electives with the course prefix OSE. The remaining 6 hours may be taken from upper level photonics, other engineering, physics or mathematics or other approved related electives. Electives must be approved by the program advisor.

6. Capstone Requirements (6 hrs)
- OSE 4911 Senior Design I 3 hrs
- OSE 4912 Senior Design II 3 hrs
7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Photonic science and engineering students must earn at least 32 hours in residence at UCF. 24 of the 32 Residency hours must be at the 3000-5000 level, in courses taken from the College of Optics and Photonics at UCF and applicable to the degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Electrical Engineering
- Computer Engineering
- Physics

Certificates
- None

Related Minors
- Engineering Leadership
- 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 credit.
- Students are assumed to have knowledge of a higher level programming language (C preferred).

Transfer Notes
- Courses taken from Florida College System institutions 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 program academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)

Freshman Year - Fall
- Historical Foundation 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

Freshman Year - Spring
- ENC 1101 Composition I 3 hrs
- EGN 1007C Engineering Concepts and Methods 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

Sophomore Year - Fall
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- ENC 1102 Composition II 3 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs
- Cultural Foundation 3 hrs

Sophomore Year - Spring
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EEL 3004C Electrical Networks 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- PHY 3310 Physics for Engineers and Scientists III 3 hrs

Science Foundation 3 hrs

Sophomore Year - Summer
- EEL 3123C Networks and Systems 4 hrs
- Social Foundation 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Fall
- OSE 3052L Introduction to Photonics Laboratory 1 hr
- EEE 3307C Electronics I 4 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs

Junior Year - Spring
- STA 3032 Probability and Statistics for Engineers 3 hrs
- OSE 4410 Optoelectronics 3 hrs
- OSE 4410L Optoelectronics Laboratory 1 hr
- OSE 4520 Laser Engineering 3 hrs
- OSE 4520L Laser Engineering Laboratory 1 hr
- OSE 3053 Electromagnetic Waves for Photonics 3 hrs

Senior Year - Fall
- OSE 4470 Fiber-Optic Communications 3 hrs
- OSE 4470L Fiber-Optic Communications Laboratory 1 hr
- OSE 4911 Senior Design I 3 hrs
- OSE 4930 Frontiers of Optics and Photonics 2 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- OSE 4912 Senior Design II 3 hrs
- OSE 4830 Imaging and Display 3 hrs
- OSE 4830L Imaging and Display Laboratory 1 hr
- Restricted Elective 3 hrs
- Historical Foundation 3 hrs

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

Physics (B.S.)

College of Sciences

Department of Physics,

Physical Sciences Building, Room: 430

http://www.physics.ucf.edu

Email: physics@ucf.edu

Dr. Talat Rahman
Phone: 407-823-2325

Physics majors can select from five distinct specializations to earn their physics degree, as described below in Section 4, Core Requirements, Advanced. While the various specializations share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.
Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed three semesters of high school mathematics.

All prerequisites of courses taught within the College of Sciences will be enforced.

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations (9 hrs)

- Preferred SPC 1603C Fundamentals of Technical Presentations 3 hrs

Take all of the following: 6 hrs

- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

Required COP 3502C Computer Science I 3 hrs

C: Mathematical Foundations (7 hrs)

Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

Take all the following: 3 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.

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.

2. Common Program Prerequisites (CPP) (20 hrs)

MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs

Select one of the following sequences of courses:

CHM 2045C Chemistry Fundamentals I 4 hrs
or
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following: 3 hrs

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (36 hrs)

- Required of all specializations.
- In addition to those courses specified in the Common Program Prerequisites, students also must complete the following.

Core: Required, satisfies the CPP

CHM 2045C Chemistry Fundamentals I CPP

- or

CHM 2040 Chemistry Fundamentals IA and CPP
CHM 2041 Chemistry Fundamentals IB CPP

- and

MAC 2311C Calculus with Analytic Geometry I and GEP/ CPP
MAC 2312 Calculus with Analytic Geometry II and CPP
MAC 2313 Calculus with Analytic Geometry III and CPP
PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
PHY 2049C Physics for Engineers and Scientists II

Core: Additional requirements

MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 3101 Physics for Engineers and Scientists III 3 hrs
PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
PHY 3220 Mechanics I 3 hrs
PHY 3513 Thermal and Statistical Physics 3 hrs
PHY 3323 Electricity and Magnetism I 3 hrs
PHY 4324 Electricity and Magnetism II 3 hrs
PHY 4604 Wave Mechanics I 3 hrs
PHY 4605 Wave Mechanics II 3 hrs
PHY 4912 Directed Independent Research (in area of specialization) 3 hrs

Laboratory Requirement 6 hrs
PHY 3802L Intermediate Physics Laboratory 3 hrs
And either

- PHY 3752C Physics of Scientific Instruments or 3 hrs
- PHY 3722C Physics Laboratory-Electronics 3 hrs

4. Core Requirements: Advanced Level

- Select one specialization

4.1. General Physics Specialization 18 hrs

PHY 4803L Advanced Physics Laboratory 3 hrs

- Restricted Electives: 6 hrs

Select from upper division PHY, PHZ, or AST courses 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
EEL 5356C Fabrication of Solid-State Devices 4 hrs

- Select 3 9 hrs

EEE 5350 Semiconductor Devices I or 3 hrs
EGN 3365 Structure and Properties of Materials or 3 hrs
EMM 4413 Fundamentals of Electronic Materials or 3 hrs
CHM 3411L Physical Chemistry Laboratory or 2 hrs
PHZ 5405 Condensed Matter Physics or 3 hrs
EEF 5552 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
EIE 4440 Lasers or 3 hrs
OSA 5303 Geometrical Optics and Imaging Systems or 3 hrs
OSA 5312 Light Matter Interaction or 3 hrs
OSA 5414 Fundamentals of Optoelectronic Devices 3 hrs

Note: Certain courses must be selected in the GEP for AA transfer students are expected to have completed three semesters of high school mathematics.
**UCF Degree Programs**

- **Directed Electives:**
  - 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**
- **Core Course**
  - PHY 3323  Electricity and Magnetism I  3 hrs
  - PHY 3513  Thermal and Statistical Physics  3 hrs
  - COP 3502C  Computer Science I  3 hrs
  - COP 3503C  Computer Science II  3 hrs
  - COT 4500  Numerical Calculus  3 hrs

- **Directed Electives**
  - 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**
- **Core Course**
  - PHY 2048C  Physics for Engineers & Scientists I  4 hrs
  - PHY 2049C  Physics for Engineers and Scientists II  4 hrs
  - MAC 2311C  Calculus with Analytic Geometry I  4 hrs
  - MAC 2312  Calculus with Analytic Geometry II  4 hrs
  - CHM 2045C  Chemistry Fundamentals I  4 hrs
  - CHM 2046  Chemistry Fundamentals II  3 hrs
  - CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

- **Electives**
  - Directed Electives: 6 hrs

**Related Programs**
- Mathematics - Engineering/Physics Track
- Mathematics - Applied Track
- Mathematics - Pure Track
- Electrical Engineering
- Mechanical Engineering

**Certificates**
- None

**Related Minors**
- Mathematics
- Physics
- Astronomy
- None

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

**Plan of Study**
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

**Admissions**
- None

**Graduation**
- None

**Electives**
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

**Additional Requirements**
- None

**Required Minors**
- None

**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.

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

**Total Semester Hours Required**
- 120

**Restrictive Electives**
- None
UCF Degree Programs

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

Equipment Fees
- Full-Time Student: $24.80 per term
- Part-Time Student: $12.40 per term

Political Science (B.A.)
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Email: politics@ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Double major/dual degree policy in Political Science programs and minors
- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:
  - POS 2041 American National Government 3 hrs
- 3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
- 4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1008 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1892-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Select from GEP B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- 1. 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.
- 2. Statistics 3 hrs
  - Prefer STA 2014C Principles of Statistics or 3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
  - May substitute a higher level Statistics course. 3 hrs

D: Social Foundations (6 hrs)
- Required POS 2041 American National Government 3 hrs
  - Select from GEP B.2 list 3 hrs

E: Science Foundations (6 hrs)
- 2. Common Program Prerequisites (CPP) (3 hrs)
  - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - See Transfer Notes for possible substitutes.
  - POS 2041 American National Government GEP
  - POS 3703 Scope and Methods of Political Science 3 hrs

3. Core Requirements: Basic Level
- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
- POS 2041 American National Government GEP/CPP

4. Core Requirements: Advanced Level
- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
- POS 3703 Scope and Methods of Political Science 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 one of the following courses may be considered part of area B credit:
  - INR 4351 International Environmental Law or 3 hrs
  - INR 4401 International Law or 3 hrs
  - INR 4404 Space Law 3 hrs
- Two courses from Area A 6 hrs
- Five courses from Area B 15 hrs
- Two courses from Area C 6 hrs
- One additional course from any Area 3 hrs

Track 3: Prelaw
- Please see Political Science - Prewlaw Track

Areas of Specialization
A. American Politics and Policy Area
- POS 3076 American Indian Politics or 3 hrs
- POS 3122 State Government and Public Policy or 3 hrs
- POS 3173 Southern Politics or 3 hrs
- POS 3182 Florida Politics or 3 hrs
- POS 3232 Public Opinion or 3 hrs
- POS 3234 Protest in American Politics or 3 hrs
- POS 3235 Mass Media and Politics or 3 hrs
UCF Degree Programs

B. International Relations and Comparative Government Area

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<td>POS 3273</td>
<td>Voting and Elections or</td>
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<td>POS 3413</td>
<td>The American Presidency or</td>
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<td>Congress and the Legislative Process or</td>
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<td>POS 3443</td>
<td>Political Parties and Processes or</td>
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<td>POS 3463</td>
<td>Interest Groups or</td>
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<td>POS 3627</td>
<td>Cultural Pluralism and Law or</td>
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<td>Latino Politics or</td>
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<td>POS 4142</td>
<td>Metropolitan Politics or</td>
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<td>POS 4204</td>
<td>Political Behavior or</td>
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<td>Judicial Process and Politics or</td>
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C. Political Theory Area

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<td>Politics of Western Europe or</td>
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<td>Political Economy or</td>
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<td>Military Space Policy or</td>
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</tr>
<tr>
<td>POS 3253</td>
<td>Contemporary Revolution and Political Violence or</td>
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</tr>
<tr>
<td>PUP 3014</td>
<td>Comparative Public Policy or</td>
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</tr>
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<td>PUP 4510</td>
<td>Space Policy or</td>
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</tr>
<tr>
<td>POS 4603</td>
<td>International Relations Theory or</td>
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<tr>
<td>POS 4206</td>
<td>Political Psychology or</td>
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</tr>
<tr>
<td>POT 3204</td>
<td>American Political Thought or</td>
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</tr>
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<td>POT 3302</td>
<td>Modern Political Ideologies or</td>
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</tr>
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<td>POT 4003</td>
<td>Political Theory or</td>
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<tr>
<td>POT 4025</td>
<td>Ancient, Medieval and Early Modern Political Philosophy or</td>
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<td>POT 4054</td>
<td>Modern Political Philosophy or</td>
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<td>POT 4066</td>
<td>Contemporary Political Theory or</td>
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<td>POT 4109</td>
<td>Polics and Literature or</td>
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<td>POT 4305</td>
<td>The State, Society, and the Individual or</td>
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<td>POT 4314</td>
<td>Contemporary Democratic Theory or</td>
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<tr>
<td>POT 4331</td>
<td>Utopia/Dystopia or</td>
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<tr>
<td>POT 4345</td>
<td>Pan-Africanist Thought or</td>
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<td>POT 4414</td>
<td>Marxist Political Theory or</td>
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</tr>
<tr>
<td>POT 4632</td>
<td>Religion and Politics</td>
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</tr>
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</table>

6. Capstone Requirements

- None

7. Foreign Language Requirements

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

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
- No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in Political Science, provided that no more than 50% of an Area be covered by such credits.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120
### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>POS 3703: Scope and Methods of Political Science</td>
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### Junior Year - Fall

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### Junior Year - Spring

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### Senior Year - Fall

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<thead>
<tr>
<th>Course</th>
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<tbody>
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### Senior Year - Spring

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<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
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<td>Free Elective</td>
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</tbody>
</table>

### Program Academic Learning Compacts

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


**Email:** politics@ucf.edu

Dr. Kerstin Hamann

Phone: 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major. Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Sciences Prelaw Advisor. The following represent a suggested curriculum which both meets the requirements for a Political Science degree while preparing you for professional school.

### 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.
UCF Degree Programs

- **All prerequisites of courses taught within the College of Sciences will be enforced.**
- **Courses designated in 1 (General Education Program)** and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**Double major/dual degree policy in Political Science programs and minors**

- 1. Students who double major in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- 2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

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

A: Communication Foundations (9 hrs)
- Required: ENC 1101 Composition I 3 hrs
- 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 a course from GEP B.2. list

C: Mathematical Foundations (6 hrs)
- Math: 3 hrs
- Prefer: MGF 1106 Finite Mathematics or 3 hrs
- Prefer: MGF 1107 Explorations in Mathematics or 3 hrs
- May substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics: 3 hrs
- Prefer: STA 2014C Principles of Statistics or 3 hrs
- Prefer: STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- May substitute a higher level statistics course. 3 hrs

D: Social Foundations (6 hrs)
- Political Science 3 hrs
- Required: POS 2041 American National Government 3 hrs

Social Science 3 hrs
- Select one of the listed courses 3 hrs

E: Science Foundations (6 hrs)
- 2. Common Program Prerequisites (CPP) (3 hrs)
  - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - See Transfer Notes for possible substitutes for the following courses.
  - POS 2041 American National Government GEP
  - POS 3703 Scope and Methods of Political Science 3 hrs

3. Core Requirements: Basic Level
- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
  - POS 2041 American National Government GEP/CPP

4. Core Requirements: Advanced Level (3 hrs)
- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
  - POS 3703 Scope and Methods of Political Science CPP
  - POS 4284 Judicial Process and Politics 3 hrs

5. Restricted Electives (27 hrs)
- Select from the following courses: 3 hrs
  - POS 4603 American Constitutional Law I or 3 hrs
  - POS 4604 American Constitutional Law II or 3 hrs
  - INR 4401 International Law 3 hrs

And, select one of the following options: (See 24 hrs)

**Area courses list under Political Science**
- Five courses from area A and 15 hrs
- Two courses from area B and 6 hrs
- One course from area C 3 hrs

OR 24 hrs
- Two courses from area A and 6 hrs
- Five courses from area B 15 hrs
- One course from area C 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

**Admissions**
- Met by graduation requirement

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

**8. Electives**
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

**Internship Program:**
- For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
- The following courses are not required, but serious students should consider taking these as free electives.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - BUL 3130 Legal and Ethical Environment of Business 4 hrs
  - ENC 3241 Writing for the Technical Professional 3 hrs
  - ENC 3250 Professional Writing 3 hrs
  - LIN 4105 History of the English Language 3 hrs
  - MWF 3302 Logic and Proof in Mathematics 3 hrs
  - PHI 2101 Formal Logic I 3 hrs
  - PLA 3108 Legal Research 3 hrs
  - PLA 3155 Legal Writing 3 hrs
  - POS 4941 Political Science Internship 3 hrs

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major

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

**Total Semester Hours Required**
- 120

**Honors In Major**
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

**Related Programs**
- Economics
- History
- Philosophy
- Legal Studies
- Criminal Justice
### UCF Degree Programs

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<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>16 hrs</th>
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<tbody>
<tr>
<td>POS 3703</td>
<td>Scope and Methods of Political Science</td>
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<td>GEP</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
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### Freshman Year - Fall

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<tr>
<td>POS 2041</td>
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<td>GEP-Math</td>
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### Freshman Year - Spring

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<tr>
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<tr>
<td>ENC 1102</td>
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<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
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### Junior Year - Fall

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<tr>
<td>POB 4284</td>
<td>Judicial Process and Politics</td>
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### Junior Year - Spring

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### Senior Year - Fall

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### Senior Year - Spring

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### Program Academic Learning Compacts

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

### Psychology (B.S.)

**College of Sciences**

**Department of Psychology, Psychology Building, Room: 301**

[psychology.cos.ucf.edu](http://psychology.cos.ucf.edu)

**Email:** psychadvising@ucf.edu

**Phone:** 407-823-2216

Contact: Psychology Advising Center, PSY 250, 407-823-2219

### Admission Requirements

- **None**

### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog**
- **Departmental Residency Requirement:** at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department
- **Students must earn at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses**
- **Co-op or internship credit cannot be used in this major without prior approval**
- **Graduating seniors should complete the senior exit survey**
- **Additional requirements exist for students pursuing the Honors in the major program.**
- **All prerequisites of courses taught within the College of Sciences will be enforced.**
- **Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**

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

   - **Note:** Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36. See Transfer Notes for possible substitutions.

   **A:** Communication Foundations **(9 hrs)**
   **B:** Cultural & Historical Foundations **(9 hrs)**
UCF Degree Programs

C. Mathematical Foundations (6 hrs)
Math:
- You may substitute a higher level math with appropriate scores on the Math Placement Test.
  Prefer: MAC 1105C College Algebra 3 hrs

Statistics:
- Required: STA 2023 Statistical Methods I or 3 hrs
- Required: STA 2041C Principles of Statistics 3 hrs

D. Social Foundations (6 hrs)
Social Sciences:
- Required: PSY 2012 General Psychology 3 hrs

Political Science/Economics
- Select one of the listed choices 3 hrs

E. Science Foundations (6 hrs)
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 one of the listed choices 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
- See Transfer Notes for possible substitutes for the courses listed below.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Psychology:
- PSY 2012 General Psychology GEP
- DEP 2004C Developmental Psychology 3 hrs

Biology:
- Select the advanced option if additional biology courses are planned.
  BSC 1005 Biological Principles or GEP
  BSC 2010C Biology I GEP

Statistics:
- STA 2041C Principles of Statistics or GEP
- STA 2053 Statistical Methods I GEP

3. Core Requirements: Basic Level
Most courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Psychology:
- PSY 2012 General Psychology GEP

Biology:
- BSC 1005 Biological Principles or GEP
- BSC 2010C Biology I GEP

Statistics:
- STA 2041C Principles of Statistics or GEP
- STA 2053 Statistical Methods I GEP

4. Core Requirements: Advanced Level (18 hrs)

Psychology:
- PSY 2023 Careers in Psychology 2 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
- PSY 3213C Research Methods in Psychology 5 hrs
- PSY 3301 Physiological Psychology 3 hrs
- PSY 4604 History and Systems of Psychology 3 hrs
- PSY 4049 Psychology Capstone 1 hr

B. Personality/Social: Select from the following: 3 hrs
- PPE 3003 Personality Theory and Research or 3 hrs
- SOP 3004C Social Psychology 3 hrs

C. Developmental: Select from the following: 3 hrs
- DEP 2004C Developmental Psychology or 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

D. Diversity: Select from the following: 3 hrs
- CLP 3184 Women’s Mental Health or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

E. Applied: Select from the following: 3 hrs
- CLP 3302 Clinical Psychology or 3 hrs
- EXP 3250 Principles of Human Factors Psychology or 3 hrs
- INF 3004 Industrial/Organizational Psychology 3 hrs

F. Psychology Electives 9 hrs
- Select additional courses from those taught by the Psychology department
- NOTE: The following courses will NOT fulfill this requirement.
  INP 3141C Advanced Applied Psychology or 1 hr
  INP 3951 Industrial/Organizational Field Work or 3 hrs
  PSY 3905 Directed Independent Study or 1 hr
  PSY 4906 Directed Independent Study or 1 hr
  PSY 4912 Directed Independent Research 1 hr

G. Math/Science Electives: Select from the following: 6 hrs
- Students must meet the course prerequisites for any course they select. See course listing for prerequisites
  ANT 3541 Biobehavioral Anthropology or 3 hrs
  ANT 3550C Primatology or 3 hrs
  PSC 1121 Physical Science or 3 hrs
  PHY 2053C College Physics I or 4 hrs
  CHM 1020 Concepts in Chemistry or 3 hrs
  COP 3223 Introduction to Programming C or 3 hrs
  COP 3502C Computer Science I or 3 hrs
  COP 3503C Computer Science II or 3 hrs
  MAC 2233 Concepts of Calculus or 3 hrs
  MAC 2235 Applied Calculus 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 4184 Statistical Methods III or 3 hrs
  BSC 1050 Biology and Environment or 3 hrs
  BSC 2011C Biology II or 4 hrs
  BSC 4312C Advanced Marine Biology or 4 hrs
  PCB 3963 Genetics or 3 hrs
  ENV XXXX Any ENW prefix course or 3 hrs
  GEO XXXX Any GEO prefix course or 3 hrs
  MCB XXXX Any MCB prefix course or 3 hrs
  ZOO XXXX Any ZOO prefix course or 3 hrs

6. Capstone Requirements
- PSY 4049 Psychology Capstone 1 hr

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy the CPP, core requirements, restricted electives and science electives (sections 2-5).
- Maintain a minimum overall psychology GPA of 2.0.
### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

#### Honors In Major

**Additional Requirements:** 6 hrs
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Apply and be accepted into the program through the department.
- Fulfill University requirements for Honors in the Major.
- Earn an overall UCF GPA above 3.2.
- All grades in Psychology courses must be a "B" (3.0) or higher.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including the following course.
  - PSY 3213C Research Methods in Psychology 5 hrs
  - PSY 4903H Honors Directed Reading I 3 hrs
  - PSY 4970H Undergraduate Honors Thesis 3 hrs

#### Related Programs
- Sociology
- Anthropology
- Statistics
- Criminal Justice

#### Certificates
- Behavioral Forensics

#### Related Minors
- Psychology
- Sociology
- Anthropology
- Mathematics
- Statistics

#### Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available Monday and Friday from 9 to 5.

#### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.
  - Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
  - DEP 2004C: any lower level psychology course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective 5C, students are advised to select it to satisfy their CPP.

#### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

#### Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

#### Freshman Year - Fall
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012 General Psychology</td>
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</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP-Math</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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#### Freshman Year - Spring
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</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>Psychology Cornerstone</td>
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#### Sophomore Year - Fall
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<tr>
<td>DEP 2004C Developmental Psychology</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
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#### Sophomore Year - Spring
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</tr>
<tr>
<td>Restricted Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
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<tr>
<td>GEP</td>
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#### Junior Year - Fall
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<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>PSY 3213C Research Methods in Psychology</td>
<td>5 hrs</td>
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<td>Electro / Minor</td>
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<td>Restricted Elective</td>
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<tr>
<td>Elective / Minor</td>
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#### Junior Year - Spring
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<th>Course</th>
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<tbody>
<tr>
<td>PSB 3002 Physiological Psychology</td>
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<td>Restricted Elective</td>
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<td>3 hrs</td>
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<td>Elective / Minor</td>
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#### Senior Year - Fall
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<tr>
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<tr>
<td>Restricted Elective</td>
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#### Senior Year - Spring
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<th>Course</th>
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<tbody>
<tr>
<td>PSY 4604 History and Systems of Psychology</td>
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<tr>
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<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</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.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees
- Part-Time Student: $13.00 per term
- Full-Time Student: $26 per term

#### Public Administration (B.A./B.S.)
**College of Health and Public Affairs**
**School of Public Administration, Health & Public Affairs II, Room: 238**
Dr. Michael Abels, pa/ba/bbs@mail.ucf.edu
Phone: 407-823-2604

#### 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 and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor on a regular basis.
- Students must earn at least a “C” (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a “C” (2.0).
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
Required CGS 1060C Introduction to Computers

Select 1: 3 hrs
Suggested MAC 1105C College Algebra or 3 hrs
Suggested MAC 1114C Finite Mathematics or 3 hrs
Suggested MAC 1147 Explorations in Mathematics 3 hrs

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs
Suggested POS 2041 American National Government
Suggested PSY 2012 General Psychology or 3 hrs
Suggested SYG 2000 Introduction to Sociology or 3 hrs

D: Social Foundations (6 hrs)
Suggested POS 2012 American National Government 3 hrs
Suggested PSY 2012 General Psychology or 3 hrs
Suggested SYG 2000 Introduction to Sociology or 3 hrs

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 Computers GEP
POS 2041 American National Government GEP

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (21 hrs)
PAD 3003 Public Administration in American Society 3 hrs
PAD 4034 The Administration of Public Policy 3 hrs
PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
PAD 4104 Administrative Theory 3 hrs
PAD 4204 Fiscal Management 3 hrs
PAD 4414 Human Resource Administration 3 hrs
PAD 4720 Survey Research in Public Administration 3 hrs

B.A./B.S. Option 6 hrs

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives (39 hrs)

Public Administration electives are required as follows:
- PAD majors must complete at least 21 hrs. of PAD prefixed electives at the 3000 level or higher.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

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

Graduation

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement.

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Accounting
- Computer Science
- Criminal Justice
- Economics
- Health Services Administration
- Human Communication
- Legal Studies
- Management
- Political Science
- Social Work

Certificates

- Nonprofit Management

Related Minors

- Business
- Economics
- Political Science
- Legal Studies
- Criminal Justice
- Urban and Regional Planning
- Emergency Management and Homeland Security
- Nonprofit Management/National Certification in Nonprofit Management

Advising Notes

- None

Transfer Notes

- Intro to Computer Science (CGS 1060C) or any Computer Science course (3 credits)
Plan of Study

This plan of study is intended for students who are interested in majoring in Radio-Television. It is designed to prepare students for careers in broadcast journalism, production, and corporate communication. The program requires a minimum of 120 credit hours, with at least 60 of those credit hours being upper division courses.

### Freshman Year - Fall (14 hrs)
- **ENC 1101** Composition I 3 hrs
- **CGS 1060C** Introduction to Computers 3 hrs
- **POS 2041** American National Government 3 hrs
- **PAB 2102** Public Affairs Careers 2 hrs

### Select 1: 3 hrs
- **ARH 2050** History of Western Art I or 3 hrs
- **MUL 2100** Enjoyment of Music or 3 hrs
- **REL 2300** World Religions or 3 hrs

### Sophomore Year - Spring (15 hrs)
- **ENC 1102** Composition II 3 hrs
- **MGF 1106** Finite Mathematics 3 hrs

### Select 1: 3 hrs
- **PSY 2012** General Psychology or 3 hrs
- **SYG 2000** Introduction to Sociology or 3 hrs
- **ANT 2000** General Anthropology or 3 hrs

### Junior Year - Fall (15 hrs)
- **SPC 1008** Fundamentals of Oral Communication 3 hrs
- **ECO 2013** Principles of Macroeconomics 3 hrs

### Select 1: 3 hrs
- **EUN 2000** Western Civilization I or 3 hrs
- **HUM 2210** Humanistic Tradition I or 3 hrs
- **AMH 2010** U.S. History: 1492-1877 or 3 hrs
- **WOH 2012** World Civilization I or 3 hrs

### Select 1: 3 hrs
- **BSC 1005** Biological Principles or 3 hrs
- **MCR 1310** Introduction to Biotechnology and Genetic Engineering or 3 hrs
- **GLY 1030** Geology and its Applications or 3 hrs
- **ANT 2511** The Human Species or 3 hrs

### Sophomore Year - Spring (15 hrs)
- **PAD 3003** Public Administration in American Society 6 hrs
- **Free Elective** 3 hrs

### Select 1: 3 hrs
- **AMH 2020** U.S. History: 1877-Present or 3 hrs
- **EUN 2001** Western Civilization II or 3 hrs
- **HUM 2220** Humanistic Tradition II or 3 hrs
- **WOH 2022** World Civilization II or 3 hrs

### Junior Year - Fall (15 hrs)
- **PAD 4104** Administrative Theory 3 hrs
- **PAD 4414** Human Resource Administration 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **Foreign Language I or BS option** 3 hrs

### Senior Year - Spring (15 hrs)
- **PAD 4414** Human Resource Administration 3 hrs
- **PAD 4204** Fiscal Management 3 hrs
- **PAD 4720** Survey Research in Public Administration 3 hrs
- **Restricted Elective** 3 hrs
- **Foreign Language II or BS option** 3 hrs

### Senior Year - Fall (15 hrs)
- **PAD 4720** Survey Research in Public Administration 3 hrs
- **Upper Division Elective** 3 hrs
- **Upper Division Elective** 3 hrs
- **Upper Division Elective** 3 hrs
- **Upper Division 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

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**Radio - Television (B.A.)**

**College of Sciences**

Nicolson School of Communication, NSC, Room: 143

[http://communication.cos.ucf.edu/](http://communication.cos.ucf.edu/)

**Email:** radiotv@ucf.edu

Dr. Tim Brown, Area Coordinator, timbrown@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

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**Admission Requirements**

- Students should apply to become Radio-Television majors only after completing all requirements for admission.
- Students must apply to the Nicholson School of Communication before they can declare a major in Radio-Television.
- Students must complete the following courses or pass the grammar proficiency exam.
- Students must meet 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.
- Students must receive a positive evaluation of other factors specified by the Nicholson School of Communication.
- Students must see an NSC advisor for additional admission criteria.
- Students must meet a grammar proficiency standard ("B" grades or better in the following courses or pass the grammar proficiency exam).

**Application Deadlines:**

- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

**Degree Requirements**

- Students who change degree programs (other than from Radio-TV Pending) and select this major must adopt the most current catalog.
- Students must 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.
UCF Degree Programs

- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Radio-TV majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- Students seeking to change tracks once accepted into the major, must re-apply to the R-TV major under the new, desired track.
- A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.
- A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during “C” term only.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1: 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
- Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Select a third course from GEP B2 3 hrs

C: Mathematical Foundations (6 hrs)
- Math: 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test.
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

Computer Science: 3 hrs
- Required CGS 2100C Computer Fundamentals for Business 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Select a listed course 3 hrs

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 (15 hrs)
- These courses may be taken before applying to the major.
- MMC 3200 Mass Communication Law 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs

Select 1:
- SPC 1603C Fundamentals of Technical Presentations GEP
- SPC 1608 Fundamentals of Oral Communication GEP

Select 1:
- CGS 2100C Computer Fundamentals for Business GEP
- CGS 2585C Desktop/Internet Publishing or 3 hrs
- CGS 3175 Internet Applications 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
- These courses are only available to students who have been accepted into the major.
- 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: 18 hrs
- RTV 3210C Audio Production I or 3 hrs
- RTV 3228C Studio Television Production or 4 hrs
- RTV 3223C Lighting for Video or 3 hrs
- RTV 3260C Single Camera Video Production and Editing or 4 hrs
- RTV 3263C Advanced Video Post-Production or 3 hrs
- RTV 3283C Production of Interactive Multimedia or 3 hrs
- RTV 4211C Audio Production II or 3 hrs
- RTV 4280C Webcasting I or 3 hrs
- RTV 4281C Webcasting II or 3 hrs
- RTV 4206C Television Directing or 3 hrs
- RTV 4271C Radio Production and Programming or 3 hrs
- 1 RTV 3942L Practicum or 1 hr
- 1 RTV 4941C Internship 1 hr

1 May be taken for a maximum of 3 hours.

B. Broadcast Journalism 22 hrs

Complete all of the following: 17 hrs
- MMC 4602 Contemporary Media Issues and 3 hrs
- RTV 3260C Single Camera Video Production and Editing and 4 hrs
- RTV 3301 Electronic Journalism I and 3 hrs
- RTV 3304 Electronic Journalism II and 3 hrs
- RTV 4300C Television News 4 hrs

Select from the following: 5 hrs
- JOU 3004 History of American Journalism or 3 hrs
- JOU 3015 Principles of Journalism or 3 hrs
- RTV 3234C Broadcast announcing and Performance or 3 hrs
- RTV 3283C Production of Interactive Multimedia or 3 hrs
- RTV 4322C Advanced TV News or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- 1 RTV 4906 Directed Independent Study or 1 hr
- 1 RTV 4941C Internship 1 hr

1 May be taken for a maximum of 3 hours.

C. Broadcast Generalist 18 hrs

Select from the following: 12 hrs
- ADV 4103 Radio-Television Advertising or 3 hrs
- JOU 3015 Principles of Journalism or 3 hrs
- COM 3330 Computer Mediated Communication or 3 hrs
- MMC 4263 New Media Technologies or 3 hrs
- RTV 3234C Broadcast announcing and Performance or 3 hrs
- RTV 3283C Production of Interactive Multimedia or 3 hrs
- RTV 4271C Radio Production and Programming or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- RTV 4800 Broadcast Management or 3 hrs
- 1 RTV 4941C Internship 1 hr

1 May be taken for a maximum of 3 hours.

D. Capstone Requirements
- None
7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor's approval. Must be 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 56 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.
- The following minors are suggested to complement the R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:
  - Digital Media
  - Film - Cinema Studies
  - English - Writing
  - Political Science
  - Sociology
  - Theatre

11. Departmental Exit Requirements
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Advertising-Public Relations
- Digital Media
- Digital Media - Web Design Track
- Digital Media - Visual Language Track
- Film
- Journalism
- Theatre

Certificates
- None

Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to R-TV majors.
- Digital Media

■ Film - Cinema Studies
■ Marketing
■ Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Consult a school advisor for alternate, new, or more appropriate selections.
- Consult the school for detailed plans of study for each specialization.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 13 hrs
ENC 1101 Composition I 3 hrs
GEP-Math 3 hrs
GEP 3 hrs
Foreign Language 4 hrs

Freshman Year - Spring 13 hrs
ENC 1102 Composition II 3 hrs
SFC 1608 Fundamentals of Oral Communication 3 hrs
1 CGS 3 Computer Fundamentals for Business 3 hrs
2100C Foreign Language 4 hrs

1 See alternatives

Sophomore Year - Fall 15 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
Elective-Minor 3 hrs

Sophomore Year - Spring 15 hrs
Apply for admission by Feb 1
RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
GEP 3 hrs
Elective-outside of NSC 3 hrs
Elective-minor 3 hrs

Junior Year - Fall 15 hrs
If admitted, take...
RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
RTV 2102 Writing for the Electronic Media 3 hrs
MMC 3200 Mass Communication Law 3 hrs
Elective-minor 3 hrs
Elective-outside of NSC 3 hrs

Junior Year - Spring 15 hrs
RTV 4403 Electronic Media, Technology, and Society 3 hrs
MMC 3420 Mass Media Research Methods 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Elective-Minor 3 hrs

Junior Year - Summer 3 hrs
Restricted Elective-Internship 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Elective-Minor 3 hrs
Elective-outside of NSC 3 hrs
Elective-outside of NSC 3 hrs
## UCF Degree Programs

### Senior Year - Spring

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<th>Hours</th>
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<td>Required Courses</td>
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### Program Academic Learning Compacts

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

Phone: 407-823-3575

Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements

- Completion of the UCF General Education Program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.
- See Common Program Prerequisites

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework (from required courses and restricted electives below) can count toward another major or minor degree program.
- Students majoring in Real Estate must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students wanting to major in real estate must apply for admission to the major.
- Students in the real estate major must maintain a 2.0 or higher cumulative grade point average in all 3000 level or higher finance or real estate courses taken at UCF. Failure to maintain the required 2.0 GPA will result in the student being placed on lack of progress in the major.
- Lack of progress in the major will continue until such time as the student’s cumulative GPA in all finance and real estate courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in finance and real estate courses in the subsequent term, that student will be dropped as a real estate major.
- A student who is dropped may seek re-admittance as a real estate major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a finance and real estate GPA of 2.0 or higher. Readmission is not automatic.

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

#### A: Communication Foundations

- Prefer SPC 1608 Fundamentals of Oral Communication

#### B: Cultural & Historical Foundations

#### C: Mathematical Foundations

- Required MAC 1105C College Algebra

#### D: Social Foundations

**Select 1:**

- Suggested ECO 2013 Principles of Microeconomics
- Suggested ECO 2023 Principles of Microeconomics

**Select 1:**

- Suggested PSY 2012 General Psychology
- Suggested SYG 2000 Introduction to Sociology
- Suggested ANT 2000 General Anthropology

#### E: Science Foundations

**Select one of the following sequences of courses:**

- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401

- ECO 3401 Quantitative Business Tools I
- or MAC 2233 Concepts of Calculus and
- STA 2023 Statistical Methods I

### 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
- ACG 2071 Principles of Managerial Accounting
- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics
- CGS 2100C Computer Fundamentals for Business

### 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
2. GEB 3031L Cornerstone Lab: Professional Skills for Business
3. GEB 3375 Introduction to International Business
4. BUL 3130 Legal and Ethical Environment of Business
5. ECO 3411 Quantitative Business Tools II
6. FIN 3403C Business Finance
7. MAN 3025 Management of Organizations
8. MAR 3023 Marketing
9. MAR 3023 Supply Chain and Operations Management

1 Required in 1st or 2nd semester

### 4. Core Requirements: Advanced Level (9 hrs)

- FIN 2100 Personal Finance and Investments
- REE 3043 Fundamentals of Real Estate
- REE 3433 Real Estate Law

### 5. Restricted Electives (15 hrs)

**Select 5:**

- FIN 3414 Intermediate Corporate Finance
- FIN 3504 Investment Analysis
- MAR 3391 Professional Selling
- REE 3614 Environmental Issues for Real Estate
- REE 4103 Real Estate Appraisal and Valuation
- REE 4203 Commercial Real Estate Finance
- REE 4204 Residential Real Estate Finance
- REE 4303 Real Estate Investment Analysis
- REE 4722 Real Estate Development
- 1. REE 4933H Honors Directed Readings I
- 1. REE 4941 Internship

1 Must be accepted into the UCF Honors in the Major program. See [http://www.honors.ucf.edu/](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
     - variable
   - 9. Additional Requirements
     - None
   - 10. Required Minors
     - None
   - 11. Departmental Exit Requirements
     - None
   - 12. University Minimum Exit Requirements
     - A 2.0 UCF GPA
     - 60 semester hours earned after CLEP awarded
     - 48 semester hours of upper division credit completed
     - 30 of the last 39 hours of course work must be completed in residency at UCF.
     - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
     - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
   - Total Semester Hours Required
     - 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 College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
   - Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Macroeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take ECO 3401.

- Subject to the general grade and residence requirements, credit will be granted for transferred 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
   - Cult-Hist II 3 hrs
   - Art/Music/Lit 3 hrs
   - ECO 2013 Principles of Microeconomics 3 hrs

**Sophomore Year - Fall** 15 hrs
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - Science 3 hrs
   - Psy/Soc/Ant 3 hrs
   - Elective 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs

**Sophomore Year - Spring** 15 hrs
   - ACG 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
   - Elective 3 hrs

**Junior Year - Fall** 15 hrs
   - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   - 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
   - MAR 3203 Supply Chain and Operations Management 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.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
Religion and Cultural Studies (B.A.)
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: religion@ucf.edu
Dr. Sabatino DiBernardo, sabatino.dibernardo@ucf.edu
Phone: 407-823-2273

Religion and Cultural Studies is a BA program designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religion and Cultural Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
     Required HUM 2210 Humanistic Tradition I 3 hrs
     Required HUM 2230 Humanistic Tradition II 3 hrs
     Required REL 2300 World Religions 3 hrs
   C: Mathematical Foundations (6 hrs)
     Math 6 hrs
     Suggested MGF 1106 Finite Mathematics or 3 hrs
     Suggested MGF 1107 Explorations in Mathematics or 3 hrs
     You may substitute a higher level math with appropriate scores on the Math Placement Exam.
   Statistics-Computers 3 hrs
     Select a course from GEP C.2 list 3 hrs
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level
   HUM 2210 Humanistic Tradition I GEP
   HUM 2230 Humanistic Tradition II GEP
   REL 2300 World Religions GEP
   Studying Religion and Culture 3 hrs
   REL 2000 Introduction to Religious Studies 3 hrs

4. Core Requirements: Advanced Level (24 hrs)
   Traditions 9 hrs
     Must select at least one in each category
   Abrahamic Traditions 3 hrs
     JST 3401 Jewish People in Antiquity or 3 hrs
     REL 3403 Christianity or 3 hrs
     REL 3363 Islam or 3 hrs
     REL 3320 Moses, Jesus and Muhammad or 3 hrs
     REL 3432 Roots of Western Mysticism 3 hrs
   Asian and Indigenous Traditions 3 hrs
     ANT 3245 Native American Religions or 3 hrs
     REL 3340 Buddhist Thought or 3 hrs
     REL 3333 Hinduism or 3 hrs
     REL 3123 Asian Religions in America 3 hrs
   Theories and Methods 6 hrs
     Must select one in each category
   Religion 3 hrs
     REL 4157 Religion and Psychoanalysis or 3 hrs
     PHI 3700 Philosophy of Religion or 3 hrs
     PHI 3720 Faith and Reason or 3 hrs
     REL 4936 Key Figures in Religion and Cultural Studies or 3 hrs
   Cultural Studies or 3 hrs
     HUM 3805 Critical Theory in the Humanities or 3 hrs
     HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs
     HUM 4459 American Cultural Studies in Humanities or 3 hrs
     HUM 4823 Queer Theory in the Humanities or 3 hrs
     HUM 4826 Postcolonial Theory or 3 hrs
     PHI 3600 Contemporary Philosophy or 3 hrs
     PHI 4804 Critical Theory 3 hrs
   Religion in Culture 9 hrs
     Must select three from the following:
     REL 3101 Religion in Popular Culture 3 hrs
     REL 3111 Religion and Philosophy Through Film 3 hrs
     REL 3115 Religion, Spirituality, and Popular Music 3 hrs
     REL 3130 Religion in America 3 hrs
     REL 4110 Religion and the Arts 3 hrs
     REL 4180 Religion and Medicine 3 hrs
     PHI 3033 Philosophy, Religion, and the Environment 3 hrs
     ANT 3241 Magic, Ritual, and Belief 3 hrs
     POT 4632 Religion and Politics 3 hrs
     SYO 4200 Religion in Society 3 hrs

5. Restricted Electives (6 hrs)
- Any two from Traditions, Theories and Methods, or Religion in Culture not being used to satisfy those categories can be used here.
- Note: Related courses may be substituted with consent of Religion and Cultural Studies adviser.

6. Capstone Requirements
   REL 4910 Senior Research Seminar 3 hrs

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement
   Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None
11. Departmental Exit Requirements

- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:
  - REL 4907H Undergraduate Honors Seminar 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements

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

11. Departmental Exit Requirements

- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:
  - REL 4907H Undergraduate Honors Seminar 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors in Major

- Students considering graduate school in Religion and Cultural Studies are strongly encouraged to take Honors in the Major.

Requirements are as follows:

Core, Elective Requirements, and Senior Seminar

- Same requirement as for regular majors

Honors Thesis

- 6 hrs
  - REL 4903H Honors Directed Readings I 3 hrs
  - REL 4970H Undergraduate Honors Thesis 3 hrs

Additional Requirements

- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Religion and Cultural Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
- Earn a “B” (3.0) or better in both of the following:
  - REL 4903H Honors Directed Readings I 3 hrs
  - REL 4970H Undergraduate Honors Thesis 3 hrs

Related Programs

- Interdisciplinary Studies
- Philosophy
- Humanities

Certificates

- None

Related Minors

- Humanities
- Judaic Studies
- Philosophy
- Religion and Cultural Studies

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
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<tr>
<td>HUM 2210 Humanistic Tradition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
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<tr>
<td>REL 2300 World Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 1120C Elementary Spanish Language and Civilization</td>
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16 hrs

Sophomore Year - Fall

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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GEH 350  Cultural &amp; Historical Foundations</td>
<td>3 hrs</td>
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<tr>
<td>GEH 351  Communication Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEH 352  Communication Foundations</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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15 hrs

Sophomore Year - Spring

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<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GEH 350  Cultural &amp; Historical Foundations</td>
<td>3 hrs</td>
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<tr>
<td>GEH 351  Communication Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEH 352  Communication Foundations</td>
<td>3 hrs</td>
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<td>Restricted Elective</td>
<td>3 hrs</td>
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15 hrs

Junior Year - Fall

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<th>Course</th>
<th>Hours</th>
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15 hrs

Junior Year - Spring

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<th>Course</th>
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<td>Restricted Elective</td>
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<td>Restricted Elective</td>
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15 hrs

Senior Year - Fall

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<th>Course</th>
<th>Hours</th>
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<tr>
<td>Restricted Elective</td>
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15 hrs

Senior Year - Spring

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>REL 3340 Buddhist Thought</td>
<td>3 hrs</td>
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</tbody>
</table>

15 hrs

Program Academic Learning Compacts

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

Restaurant and Foodservice Management (B.S.)
Rosen College of Hospitality Management
Department of Food-services and Lodging,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements

- None

Degree Requirements

- None

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

#### C: Mathematical Foundations
**Required**
- MAC 1105C College Algebra 3 hrs

**Select 1:**
**3 hrs**
- Required
  - CGS 2100C Computer Fundamentals for Business 3 hrs
- Required
  - STA 2023 Statistical Methods I 3 hrs

**D: Social Foundations**
**Required**
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

**Select 1:**
**3 hrs**
- Required
  - PSY 2012 General Psychology or 2 hrs
- Required
  - SYG 2000 Introduction to Sociology or 3 hrs
- Required
  - ANT 2000 General Anthropology 3 hrs

**E: Science Foundations**
**Required**
- 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

**4. Core Requirements: Advanced Level**
**Hospitality Core Requirements**
**34 hrs**
- FSS 2221C Techniques of Food Preparation 4 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- HFT 3003 Legal Environment in the Hospitality and Tourism Industry 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4266 Hospitality Communications 3 hrs
- HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

**Internships**
**3 hrs**
- HFT 3940 Internship I 1 hr
- HFT 4941 Internship II 1 hr
- HFT 4944 Internship III 1 hr

**Restaurant Management Core**
**18 hrs**
- FSS 3124 Supply and Procurement Management 3 hrs
- HFT 3263 Restaurant Management 3 hrs
- HFT 3514 Foodservice Marketing, Sales, and Distribution 3 hrs
- HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
- HFT 4861C Beverage Management 3 hrs
- HFT 4844 Sanitation in the Food Service Industry 3 hrs

**5. Restricted Electives**
**15 hrs**
**Select 5:**
**15 hrs**
- Required
  - FSS 3008 Culture and Cuisine or 3 hrs
- Required
  - FSS 4135 Corporate Contract and Managed Services or 3 hrs
- Required
  - FSS 4286C Catering and Banquet Organization or 3 hrs
- Required
  - HFT 3654 Franchising in the Restaurant Industry or 3 hrs
- Required
  - HFT 3868 History and Culture of Wine or 3 hrs
- Required
  - HFT 4266 Hospitality Brand Management or 3 hrs
- Required
  - HFT 4268 Case Studies in Restaurant Management or 3 hrs
- Required
  - HFT 4281 Restaurant Leadership Strategies and Tactics or 3 hrs
- Required
  - HFT 4343 Hospitality Facilities Management or 3 hrs
- Required Share 2 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, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- None

**Transfer Notes**
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Rosen College of Hospitality Management.
- Florida College System institution students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two if the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- Plan your required nine summer credit hours into your course of study.
Freshman Year - Fall 15 hrs
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 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
FSS 2221C Techniques of Food Preparation 4 hrs
MAC 1105C College Algebra 3 hrs

Sophomore Year - Fall 15 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
HFT 3263 Restaurant Management 3 hrs
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring 15 hrs
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 12 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3574 Foodservice Marketing, Sales, and Distribution 3 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 3940 Internship I 1 hr

Junior Year - Spring 13 hrs
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 II 1 hr

Senior Year - Fall 16 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4944 Internship III 1 hr
HFT 4464 Hospitality Industry Finance 3 hrs

Senior Year - Spring 15 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

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

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Science Education - Biology (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/

Gwyndolyon Crittenden, ED 223E, Gwyndolyon.Crittenden@ucf.edu,
407-823-1862
Dr. Janet Andreassen, ED123Q, janet.andreassen@ucf.edu,
407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- 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) (38 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 (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

Select 1:
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

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

E: Science Foundations (7 hrs)
- Required PSC 1121 Physical Science 3 hrs
- Required BSC 2010C Biology I 4 hrs

1 A grade of "C-"(1.75) is required.
2 See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 EDF 2005 Introduction to the Teaching Profession 3 hrs
1 EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
BSC 2010C Biology I GEP
MAC 2131C Calculus with Analytic Geometry I GEP
BSC 2011C Biology II 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2048L Chemistry Fundamentals Laboratory 1 hr

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

3. Core Requirements: Basic Level (3 hrs)
- Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.

1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
BSC 2010C Biology I GEP
BSC 2011C Biology II CPP
CHM 2045C Chemistry Fundamentals I CPP
PSC 1121 Physical Science GEP
UCF Degree Programs

4. Core Requirements: Advanced Level (58 hrs)
   Education Core Requirements 18 hrs
   - Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

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/clinicalexps/

SCE 4360 Science Instructional Analysis 4 hrs
SCE 3940 Internship 3 hrs

Specialization Requirements 21 hrs
   CHM 2205 Introduction to Organic and Biochemistry 5 hrs
   CHM 2046 Chemistry Fundamentals II CPP
   CHM 2046L Chemistry Fundamentals Laboratory CPP
   PCB 3044 Principles of Ecology 3 hrs
   PCB 3044L Principles of Ecology Laboratory 1 hr
   MCB 3020C General Microbiology 5 hrs
   SCE 4361 Programs in Teaching Science 3 hrs

Select 1: 4 hrs
   PCB 3703C Human Physiology or 4 hrs
   ZOO 3733C Human Anatomy or 4 hrs
   PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs

Internship II 12 hrs
   - At least 50% 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/clinicalexps/

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, and nine hours of Summer credit.

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - None

Certificates
   - None

Related Minors
   - None

Advising Notes
   - None

Transfer Notes
   - None

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study (120 hrs)

Freshman Year - Fall 12 hrs
   AMH 2010 U.S. History: 1492-1877 3 hrs
   ENC 1101 Composition I 3 hrs
   PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs
   STA 2044C Principles of Statistics or
   STA 1063C Basic Statistics Using Microsoft Excel

Freshman Year - Spring 15 hrs
   AMH 2020 U.S. History: 1877-Present 3 hrs
   ENC 1102 Composition II 3 hrs
   PHI 2010 Introduction to Philosophy 3 hrs
   PSC 1211 Physical Science 3 hrs
   SPC 1068 Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer 6 hrs
   POS 2041 American National Government 3 hrs
   EDF 2130 Child and Adolescent Development for Educators 3 hrs

1 Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
Sophomore Year - Fall 15 hrs
BSC 2010C  Biology I  4 hrs
CHM 2045C  Chemistry Fundamentals I  4 hrs
MAC 2211  Calculus with Analytic Geometry I  4 hrs
EDF 2005  Introduction to the Teaching Profession  3 hrs

Sophomore Year - Spring 14 hrs
BSC 2011C  Biology II  4 hrs
EDF 2085  Introduction to Diversity for Educators  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

Sophomore Year - Summer 3 hrs
TSL 4080  Theory and Practice of Teaching ESOL  3 hrs
or Students in Schools

Junior Year - Fall 14 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
PCB 3044  Principles of Ecology  3 hrs
PCB 3044L  Principles of Ecology Laboratory  1 hr

Select one of the following sequences of courses:

PCB 3063  Genetics and Genetics Laboratory  3 hrs
or PCB 3703C  Human Physiology  4 hrs
or ZOO 3733C  Human Anatomy  4 hrs

Junior Year - Spring 13 hrs
MCB 3020C  General Microbiology  5 hrs
SCE 4361  Programs in Teaching Science  3 hrs
CHM 2205  Introduction to Organic and Biochemistry  5 hrs

Junior Year - Summer 3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs

Senior Year - Fall 13 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
SCE 3940  Internship  3 hrs
SCE 4360  Science Instructional Analysis  4 hrs
EX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs

Senior Year - Spring 12 hrs
SCE 4941  Internship  12 hrs

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

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Science Education - Chemistry (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1189
Dr. Janet Andersen, ED 123Q, Janet.Andersen, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA

- 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 try the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101  Composition I  3 hrs
- Required ENC 1102  Composition II  3 hrs
- Prefer SPC 1008  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 1114C  College Trigonometry  3 hrs

Select 1:
- 3 hrs
- Prefer STA 1063C  Basic Statistics Using Microsoft Excel or
- Prefer STA 2014C  Principles of Statistics  3 hrs

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

E: Science Foundations (7 hrs)
- Required BSC 2010C  Biology I  4 hrs
- Required PSC 1121  Physical Science  3 hrs

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

2. Common Program Prerequisites (CPP) (21 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- EDF 2005  Introduction to the Teaching Profession  3 hrs
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- PHY 2053C  College Physics I  4 hrs

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

3. Core Requirements: Basic Level (4 hrs)
- Transfer Notes: Courses taken at Florida College System institutions 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  CPP
- PSC 1121  Physical Science  GEP
- PSC 1121L  Physical Science Lab  1 hr
- BSC 2010C  Biology I  GEP
- MAC 1114C  College Trigonometry  GEP
UCF Degree Programs

4. Core Requirements: Advanced Level (58 hrs)
Education Core Requirements 18 hrs
- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

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.

Specialization Requirements 21 hrs
CHM 2046 Chemistry Fundamentals I 4 hrs
CHM 2046L Chemistry Fundamentals Laboratory 4 hrs
CHM 3120 Organic Chemistry I 4 hrs
CHM 3120L Organic Chemistry Laboratory 4 hrs
CHM 2211 Organic Chemistry II 4 hrs
CHM 2211L Organic Laboratory Techniques I 4 hrs
CHS 3501 Introduction to Forensic Science 4 hrs
BCH 4053 Biochemistry I 4 hrs
SCE 4361 Programs in Teaching Science 4 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.

5. Restricted Electives
None

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
None

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

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

Total Semester Hours Required 120

Honors In Major
None

Related Programs
None

Certificates
None

Related Minors
None

Advising Notes
None

Transfer Notes
None

Acceptable Substitutes for Transfer Courses
None

Plan of Study (120 hrs)

Recommended Four Year Sequence of Courses

Freshman Year - Fall 13 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
PSC 1121 Physical Science 3 hrs
PSC 1121L Physical Science Lab 1 hr
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
ENC 1102 Composition II 3 hrs
MAC 1114C College Trigonometry 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs

Freshman Year - Summer 6 hrs
POS 2041 American National Government 3 hrs

Select 1: 3 hrs
STA 2014C Principles of Statistics or
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
Sophomore Year - Fall 14 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
BSC 2010C Biology I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Spring 13 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
EDF 2045 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
**1 EDF 2130 Child and Adolescent Development for Educators 3 hrs**

**Junior Year - Fall 16 hrs**
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
CHM 2211 Organic Chemistry I 3 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr

**Junior Year - Spring 14 hrs**
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

**Junior Year - Summer 3 hrs**
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools

**Senior Year - Fall 13 hrs**
BCH 4053 Biochemistry I 3 hrs
EDF 4603 Application and Analysis of Ethical, Legal, and Safety Issues in Schools 3 hrs
SCE 3940 Internship 3 hrs
SCE 4380 Science Instructional Analysis 4 hrs

**Senior Year - Spring 12 hrs**
SCE 4941 Internship 12 hrs

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

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Science Education - Physics (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
Gwylodyn Crittenden, ED 223E, Gwylodyn.Crittenden@ucf.edu, 407-823-1862
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)

1 Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Summer 4 hrs
PHY 2053C College Physics I 4 hrs

Junior Year - Fall 16 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
CHM 2210 Organic Chemistry I 3 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr

Senior Year - Fall 13 hrs
BCH 4053 Biochemistry I 3 hrs
EDF 4603 Application and Analysis of Ethical, Legal, and Safety Issues in Schools 3 hrs
SCE 3940 Internship 3 hrs
SCE 4380 Science Instructional Analysis 4 hrs

Senior Year - Spring 12 hrs
SCE 4941 Internship 12 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/aic/academic_learning_compacts.htm](http://www.oes.ucf.edu/aic/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

**Science Education - Physics (B.S.)**
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
Gwylodyn Crittenden, ED 223E, Gwylodyn.Crittenden@ucf.edu, 407-823-1862
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)

**Science Education - Physics (B.S.)**
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
Gwylodyn Crittenden, ED 223E, Gwylodyn.Crittenden@ucf.edu, 407-823-1862
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)

**Science Education - Physics (B.S.)**
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
Gwylodyn Crittenden, ED 223E, Gwylodyn.Crittenden@ucf.edu, 407-823-1862
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)
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 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.

Practice of Teaching ESOL Students in Schools.
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Internship I Block 7 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

SCE 4360 Science Instructional Analysis 4 hrs
SCE 3940 Internship 3 hrs

Specialization Requirements 13 hrs

- At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Physics 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.006.
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 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 15 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

Freshman Year - Spring 16 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- ENC 1102 Composition II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- POS 2041 American National Government 3 hrs
UCF Degree Programs

Freshman Year - Summer 7 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 EDF 2005 Introduction to the Teaching Profession 3 hrs
1 Transfer notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Fall 14 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
Select 1: 3 hrs
ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

Sophomore Year - Spring 14 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Sophomore Year - Summer 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Junior Year - Fall 12 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
PHY 3101 Physics for Engineers and Scientists III 3 hrs

Junior Year - Spring 13 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs
PHY or PHZ 3000 or 4000 level elective 4 hrs

Senior Year - Fall 13 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
SCE 3940 Internship 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs
Select 1: 3 hrs
PHY 3752C Physics of Scientific Instruments or 3 hrs
PHY 3722C Physics Laboratory-Electronics 3 hrs

Senior Year - Spring 12 hrs
SCE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Social Science Education (B.S.)

College of Education and Human Performance

School of Teaching, Learning, and Leadership

Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.

- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 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)
- Select 1: 3 hrs
- Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- 1 EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- AMH 2010 U.S. History: 1492-1877 GEP
- AMH 2020 U.S. History: 1877-Present GEP
- POS 2041 American National Government GEP
- PSY 2012 General Psychology GEP

1 Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

3. Core Requirements: Basic Level (9 hrs)
- Student should consult advisor regarding course options.
- EDF 2050 Child and Adolescent Development for Educators 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ECO 2013 Principles of Macroeconomics 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.

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UCF Degree Programs

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
   - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
   - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Internship I Block 6 hrs
   ■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   ■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
   - SSE 4361 Social Science Instructional Analysis 3 hrs
   - SSE 3940 Internship 3 hrs

Specialization Requirements 30 hrs
   - GEO 3471 World Political Geography 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   - EUH 2000 Western Civilization I 3 hrs
   - EUH 2001 Western Civilization II 3 hrs
   - AMH 2010 U.S. History: 1492-1877 3 hrs
   - AMH 2020 U.S. History: 1877-Present 3 hrs
   - POS 2041 American National Government 3 hrs
   - PSY 2012 General Psychology 3 hrs
   - SSE 4936 Programs in Teaching Social Science 3 hrs
   - SSE 4941 Internship 12 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/
   - 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
   ■ Achieve a minimum 2.5 GPA in all courses within the major.
   ■ Complete a portfolio according to program guidelines.
   ■ This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.
   ■ Pass applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   ■ 120

Honors in Major
   ■ None

Related Programs
   ■ None

Certificates
   ■ None

Related Minors
   ■ None

Advising Notes
   ■ None

Transfer Notes
   ■ None

Acceptable Substitutes for Transfer Courses
   ■ None

Plan of Study (120 hrs)

Freshman Year - Fall 12 hrs
   - AMH 2010 U.S. History: 1492-1877 3 hrs
   - ENC 1101 Composition I 3 hrs
   - MGF 1106 Finite Mathematics 3 hrs
   - PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
   - AMH 2020 U.S. History: 1877-Present 3 hrs
   - ENC 1102 Composition II 3 hrs
   - POS 2041 American National Government 3 hrs

Select 1: 3 hrs
   - ANT 2511 The Human Species or 3 hrs
   - BSC 1005 Biological Principles 3 hrs
## UCF Degree Programs

### Social Sciences (B.S.)

**College of Sciences**

**Department of Sociology, Howard Phillips Hall, Room: 403**

[http://sociology.ucf.edu/](http://sociology.ucf.edu/)

**Email:** sociology@ucf.edu

Dr. J. Jasinski, Jana.Jasinski@ucf.edu

Phone: 407-823-3744

The Social Science Interdisciplinary Degree emphasizes the critical study of the social world. The curriculum increases students' awareness of the social sciences and how they interpret society, societal institutions, social interaction and communication, social culture, as well as past and present human conditions. Students focus on several specific areas within the social sciences while becoming aware of the interdisciplinary nature of the participating programs.

### Admission Requirements

- **None**

### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Students who declare the Social Sciences major must meet with a program advisor and complete a standardized entrance exam.**
- **Students must meet the residency requirements specified in each minor.**
- **A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.**
- **Grades below "C" (2.0) in lower level courses are not accepted.**
- **Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.**
- **Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.**
- **All prerequisites of courses taught within the College of Sciences will be enforced.**
- **Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**

#### 1. UCF General Education Program (GEP)  
**36 hrs**

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Complete one of the following:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested SPC 1603C Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer COM 1000 Introduction to 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>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>6 hrs</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Statistics:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required STA 2014C Principles of Statistics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Math:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>You may substitute a higher level math with appropriate scores on the Math Placement Test.</td>
<td></td>
</tr>
<tr>
<td>Prefer MGF 1107 Explorations in Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| D: Social Foundations | 6 hrs |

Select the following course: 3 hrs

<table>
<thead>
<tr>
<th>Required</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- **Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:**
  
  [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- **Part-Time Student:** $12 per term
- **Full-Time Student:** $24 per term

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#### Freshman Year - Summer

- SPC 1608 Fundamentals of Oral Communication 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

#### Sophomore Year - Fall

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- PSC 1121 Physical Science 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

**Select 1:**

- STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

#### Sophomore Year - Spring

- 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
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

#### Junior Year - Fall

- EDF 4467 Learning Theory and Assessment Management 2 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs
- EUH 2000 Western Civilization I 3 hrs
- SSE 4940 Internship 3 hrs

#### Junior Year - Spring

- SSE 4381 Social Science Instructional Analysis 3 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

- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- American History Elective (AMH 3/4XXX) 3 hrs
- Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, or POS 3/4XXX) 3 hrs

#### Senior Year - Spring

- SSE 4941 Internship 12 hrs

### Program Academic Learning Compacts

- **Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:**
  
  [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Full-Time Student: $24 per term

### Part-Time Student: $12 per term

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Select one of the following, depending on the concentration to be followed.

- Required ANT 2000 General Anthropology or 3 hrs
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

**E: Science Foundations (6 hrs)**

2. **Common Program Prerequisites (CPP)**
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - Students must complete two introductory courses in a social science discipline.
   - Course selection depends on concentration to be followed.

3. **Core Requirements: Basic Level**

Select one of the following Statistics courses:

- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I GEP

Select at least three of the following, depending on concentrations to be taken:

- ANT 2000 General Anthropology or GEP
- POS 2041 American National Government or GEP
- PSY 2012 General Psychology or GEP
- SPC 1608 Fundamentals of Oral Communication or GEP
- SYG 2000 Introduction to Sociology GEP

4. **Core Requirements: Advanced Level (57 hrs)**

Select one methods' course: 3 hrs

- POS 3703 Scope and Methods of Political Science or 3 hrs
- PSY 3213C Research Methods in Psychology or 5 hrs
- SYA 4300C Research Methods or 4 hrs
- COM 3311 Communication Research Methods 3 hrs

**Required Minors:**

- Complete the requirements for 3 Social Science minors dealing with the following areas:
- Only one minor may be selected from the same department or school.

Anthropology 18 hrs
Communication 18 hrs
Political Science 18 hrs
Psychology 25 hrs
Sociology 18 hrs

5. **Restricted Electives**
- None

6. **Capstone Requirements**
   - Students will be required to take a standardized exit exam in their graduating semester.

7. **Foreign Language Requirements**

**Admissions**

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

**Graduation**
- No

8. **Electives**
   - After meeting with a departmental advisor, select electives primarily from upper level courses to satisfy the 48 hour rule. Courses may be outside the areas.

9. **Additional Requirements**
- None

10. **Required Minors**
   - Three minors are to be selected from the following listing:
   - However only one minor may be taken within a single department or school.

   - Anthropology
   - Anthropology in Multicultural Studies
   - Crime, Law, and Deviance
   - Diplomacy
   - Diversity and Social Inequality
   - European Studies

- Human Communication
- International and Global Studies
- Journalism Studies
- Magazine Journalism
- Mass Communication
- Mass Culture and Collective Behavior
- Medical Anthropology
- Medical Sociology
- North American Indian Studies
- Political Science
- Political Science/Prelaw
- Psychology
- Sociology

11. **Departmental Exit Requirements**
   - Maintain a minimum GPA of 2.0 in each Social Science discipline.
   - A minimum grade of “C” (2.0) in all core courses is required.
   - Students will be required to take a standardized exit exam in their graduating semester.

12. **University Minimum Exit Requirements**
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Anthropology
- Interdisciplinary Studies - Liberal Arts Track
- Economics
- Political Science
- Psychology
- Public Administration
- Sociology

**Certificates**
- None

**Related Minors**
- Anthropology
- Economics
- Human Communication
- Political Science
- Psychology
- Public Administration
- Sociology

**Advising Notes**
- Students should seek advising in the Sociology department.

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.
Plan of Study

- This is one of numerous possible plans of study. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test – http://utc.sdes.ucf.edu

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- Foreign Language 4 hrs
- GEP- Math 3 hrs
- GEP 3 hrs

Freshman Year - Spring 16 hrs
- Core Course 3 hrs
- Statistics 3 hrs
- ENC 1102 Composition II 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Sophomore Year - Fall 15 hrs
- Core Course 3 hrs
- Elective / Minor 3 hrs
- GEP 4 hrs
- GEP 3 hrs

Sophomore Year - Spring 15 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring 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
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 3 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.o eas.ucf.edu/alc/academic_learning_compacts.htm

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Social Work (B.S.W.)
College of Health and Public Affairs
School of Social Work,
Health & Public Affairs I, Room: 204
http://www.cohpa.ucf.edu/social/
Email: socialwk@ucf.edu

Dr. Sophia Dziegielewski, Interim Director
Robin Kohn, Undergraduate Program Coordinator
Catherine Cash, BSW Advisor
Phone: 407-823-2114

Admission Requirements

- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University.
  - A 2.5 overall GPA.
  - An AA (from a Florida College System or State University System institution) or UCF General Education Program and Gordon Rule requirement.
  - 15 semester hours common program prerequisites (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.

Degree Requirements

- Students who are pending Social Work and are admitted to the program must adopt the most current catalog.

Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work.

- Students should complete the General Education Program and the Common Program Prerequisite Requirements before beginning the Social Work Program.

- Students should consult with a school advisor.

- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours.

- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of “C” (2.0) in each course.

- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program.

- Students must complete all the requirements listed in 1-11 below.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs
Suggested STA 2014C Principles of Statistics or 3 hrs
Suggested STA 2023 Statistical Methods I 3 hrs
Select 1:  
Suggested: MGF 1106 Finite Mathematics or 3 hrs  
Suggested: MGF 1107 Explorations in Mathematics 3 hrs  

D: Social Foundations (6 hrs)  
Suggested: POS 2041 American National Government 3 hrs  
Suggested: PSY 2012 General Psychology 3 hrs  

E: Science Foundations (6 hrs)  
Suggested: BSC 1005 Biological Principles 3 hrs  

Select 1:  
Prefer: PSC 1121 Physical Science or 3 hrs  
Suggested: AST 2002 Astronomy 3 hrs  

2. Common Program Prerequisites (CPP) (6 hrs)  
See Transfer Notes  
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  
POS 2041 American National Government GEP  
BSC 1005 Biological Principles GEP  
PSY 2012 General Psychology GEP  
SYG 2000 Introduction to Sociology 3 hrs  

Select 1:  
ECO 2013 Principles of Macroeconomics or 3 hrs  
ECO 2023 Principles of Microeconomics 3 hrs  

3. Core Requirements: Basic Level  
None  

4. Core Requirements: Advanced Level (45 hrs)  
SOW 3104 Assessing I: Human Development 3 hrs  
SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs  
SOW 3111 Assessing II: Human Systems 3 hrs  
SOW 3352 Practice II: Interpersonal Skills in Social Work 3 hrs  
SOW 3401 Social Work Research 3 hrs  
SOW 3620 Social Work with Diverse Populations 3 hrs  
SOW 4730 Documentation in Social Work Practice 3 hrs  
SOW 4232 Social Welfare Policies and Issues 3 hrs  
SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs  
SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs  
SOW 4522 Field Education Seminar 3 hrs  
SOW 4510 Field Education 9 hrs  

Required Principles of Statistics 3 hrs  
Choose one of the following suggested courses, or see advisor for more options:  
STA 2014C Principles of Statistics 3 hrs  
STA 2023 Statistical Methods I 3 hrs  

Cultural Diversity Requirement 6 hrs  
Choose two of the following suggested courses  
ANT 4322 People and Cultures of Latin America 3 hrs  
ANT 3603 Anthropology of Japan 3 hrs  
ANT 2410 Cultural Anthropology 3 hrs  
ANT 3610 Language and Culture 3 hrs  
ASH 4404 China in 19th and 20th Centuries 3 hrs  
ASH 4442 Modern Japan, 19th and 20th Centuries 3 hrs  
CPO 4303 Comparative Latin American Politics 3 hrs  
HUM 3401 Asian Humanities 3 hrs  
REL 3333 Hinduism 3 hrs  
REL 3363 Islam 3 hrs  
JST 3401 Jewish People in Antiquity 3 hrs  
JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs  
JST 3820 Modern Israeli Culture 3 hrs  
LAH 3130 Latin American History I 3 hrs  
LAH 3200 Modern Latin America 3 hrs  
LAH 3400 History of Mexico and Central America 3 hrs  
LAH 3470 History of the Caribbean 3 hrs  
AMH 3561 Women in American History I 3 hrs  
AMH 3571 Black American History I 3 hrs  
AMH 3596 History of the Hispanic Minorities in the U.S. 3 hrs  
ANT 3302 Sex, Gender and Culture 3 hrs  
ANT 3311 Indians of the Southeastern United States 3 hrs  
ANT 3313 Indians of North America High Plains 3 hrs  
SOP 3724 Psychology of Prejudice 3 hrs  
SOP 3742 Psychology of Women 3 hrs  
ASL 3444 Introduction to Signed English and Culture of the Deaf 3 hrs  
SYD 3700 Race and Ethnicity 3 hrs  
EDF 2085 Introduction to Diversity for Educators 3 hrs  
HSC 3993 HIV Disease: A Human Concern 3 hrs  

5. Restricted Electives (6 hrs)  
Select six hours in consultation with faculty advisor.  

6. Capstone Requirements  
None  

7. Foreign Language Requirements  
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  
E. Electives  
None  

9. Additional Requirements  
None  

10. Required Minors  
None  

11. Departmental Exit Requirements  
A minimum overall GPA of 2.5 in all social work courses with a minimum grade of "C" (2.0) or higher in each social work course.  

12. University Minimum Exit Requirements  
A 2.0 UCF GPA  
60 semester hours earned after CLEP awarded  
48 semester hours of upper division credit completed  
30 of the last 39 hours of course work must be completed in residency at UCF.  
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.  

Total Semester Hours Required  
120  

Honors in Major  
Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course.  
Complete a three-credit thesis course.  
Earn a 3.5 GPA in your Social Work major.  
Earn a cumulative 3.2 GPA in your total UCF courses.  
Complete 60 hours of college credit, including 12 upper division hours at UCF.  

Related Programs  
Criminal Justice  
Psychology  
Sociology  
Public Administration  

Certificates  
Aging Studies  
Children’s Services  

Related Minors  
Health Services Administration  
Aging Studies  
Psychology  
Sociology  
Nonprofit Management/National Certification in Nonprofit Management  

Advising Notes  
None  

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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 2001 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- SOW 2020 Careers in Creating Social Change 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- EUH 2000 Western Civilization I or 3 hrs
- WOH 2012 World Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- Foreign Language I or Cultural Diversity 3 hrs

Sophomore Year - Spring 15 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Select 1:
- CHM 1020 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- AST 2020 Astronomy 3 hrs

Select 1:
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- Foreign Language II or Cultural Diversity 3 hrs

Sophomore Year - Summer 6 hrs

Select 1:
- SOW 3104 Assessing I: Human Development or Social Work or 3 hrs
- SOW 3300 Practice I:Generalist Practice in Social Work 3 hrs
- SOW 3620 Social Work with Diverse Populations 3 hrs
- SOW Elective 3 hrs

Junior Year - Fall 15 hrs
- SOW 3284 Social Work Perspectives on Social Justice 3 hrs
- SOW 3104 Assessing I: Human Development or Social Work or 3 hrs
- SOW 3300 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

Senior Year - Fall 18 hrs
- SOW 4322 Social Welfare Policies and Issues 3 hrs
- SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
- SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
- SOW 4730 Documentation in Social Work Practice 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 12 hrs
- SOW 4941 Internship 9 hrs
- SOW 4522 Field Education Seminar 5 hrs
- Free 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

Sociology (B.A.)

College of Sciences
Department of Sociology
http://sociology.ucf.edu/
Email: sociology@ucf.edu
Dr. J. Jasinski, Jana.Jasinski@ucf.edu
Phone: 407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students’ social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in qualitative and quantitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today’s employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral
analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.

■ Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.

■ Students must have a “C” (2.0) or higher in all core courses.

■ Co-op credit cannot be used in this major.

■ Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.

■ No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) credit may be used for the major.

■ All prerequisites of courses taught within the College of Sciences will be enforced.

■ Students should consult annually with a departmental advisor.

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

■ A satisfactory score in the Math Placement Test is required before enrolling in this course.

Prefer MAC 1105C College Algebra 3 hrs

Statistics: 3 hrs

Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

Political Science/Economics 3 hrs

Select one listed course 3 hrs

Social Sciences 3 hrs

Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.

SYG 2000 Introduction to Sociology GEP

SYA 3110 Social Theory 3 hrs

3. Core Requirements: Basic Level

■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

SYG 2000 Introduction to Sociology GEP/CPP

SYA 3110 Social Theory CPP

4. Core Requirements: Advanced Level (12 hrs)

SYA 4300C Research Methods 4 hrs

SYA 4450 Data Analysis 4 hrs

SYA 3400C Applied Social Statistics 4 hrs

5. Restricted Electives (27 hrs)

Select from the following courses:

■ All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.

SYA 4650C Community Action and Involvement 3 hrs

SYA 5625 ProSeminar 3 hrs

SYA 5652 Advanced Populuation 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 Contempory Society 3 hrs

SYO 3360 Social Organization and Human Relations 3 hrs

SYO 3410 Patterns of Mental Health in Society 3 hrs

SYO 3530 Social Power and Inequality 3 hrs

SYO 4100 Family Trends 3 hrs

SYO 4200 Religion in Society 3 hrs

SYO 4250 Education and Social Achievement 3 hrs

SYO 4300 Political Sociology 3 hrs

SYO 4400 Medical Sociology 3 hrs

SYO 4514 Patterns of Violence in Society 3 hrs

SYO 4521 Crime Victims in Society 3 hrs

SYO 4526 Gangs and Society 3 hrs

SYO 4550 Patterns of Drug Abuse in Society 3 hrs

SYO 4730 Patterns of Aging in Society 3 hrs

SYO 4732 Minority Aging 3 hrs

SYO 5525 Sociological Criminology 3 hrs

SYD 3800 Sex and Gender in Society 3 hrs

SYD 4020 Birth, Death, and Population Trends 3 hrs

Internship:

■ Eligible students may enroll for 3 to 6 semester hours of Internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.

SYO 3300 Internship or 3 hrs

SYO 4941 Internship or 3 hrs

SYO 5944 Internship or 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.

Graduation

■ Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ None
11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of “C” (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- Criminal Justice

Certificates
- None

Related Minors
- Africana Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses
- SYG 2000; although the CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110: although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test ~ http://utcn.sdes.ucf.edu

Freshman Year - Fall
- SYG 2000  Introduction to Sociology  3 hrs
- ENC 1101  Composition I  3 hrs
- Foreign Language  4 hrs
- GEP  3 hrs
- GEP- Math  3 hrs

Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- STA 2014C  Principles of Statistics  3 hrs
- Foreign Language  4 hrs
- Free Elective  3 hrs
- GEP  3 hrs

Sophomore Year - Fall
- SYG 2000  Introduction to Sociology  3 hrs
- GEP  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs

Sophomore Year - Spring
- SYG 2000  Introduction to Sociology  3 hrs
- GEP  3 hrs
- Restricted Elective  4 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs

Junior Year - Fall
- SYA 4300C  Research Methods  4 hrs
- SYA 3400C  Applied Social Statistics  3 hrs
- GEP  3 hrs

Junior Year - Spring
- SYA 3110  Social Theory  3 hrs
- SYA 4450  Data Analysis  4 hrs
- Free Elective  3 hrs
- Free Elective  4 hrs

Senior Year - Fall
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs

Senior Year - Spring
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term

Spanish (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mil.cah.ucf.edu/
Email: fifacult@ucf.edu
Dr. Paul Giordano
Phone: 407-823-2472

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

Admission Requirements
- None

Degree Requirements
- 36 credits in Spanish must be taken at the 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a “C” (2.0) in each upper division Spanish course.
UCF Degree Programs

- 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)
   Math
     Suggested MGF 1106 Finite Mathematics or 3 hrs
     Suggested MGF 1107 Explorations in Mathematics 3 hrs

   Statistics - Computers
   Select 1: 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Test
   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.

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 Intermediate Spanish Language and Civilization I 4 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 Civilization I 3 hrs
   SPW 3101 Survey of Spanish Literature II 3 hrs
   or
   SPW 3130 Survey of Latin-American Literature I and Civilization II 3 hrs
   SPW 3151 Survey of Latin-American Literature II 3 hrs
   SPN 4520 Latin American Civilization and Culture 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
   SPN 4800 Spanish American Syntax 3 hrs
   SPN 4852 Bilingualismo 3 hrs

Spanish literature beyond the survey level
   Taught in Spanish
   Culture and Civilization 3 hrs
   Select 1: 3 hrs
   SPN 4510 Spanish Civilization and Culture 3 hrs
   SPN 4520 Latin American Civilization and Culture 3 hrs

Spanish courses 9 hrs

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   - Met by Graduation requirements.
   Graduation
   - Met by Common Program Prerequisites.

8. Electives
   Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or higher in at least 36 credit hours of upper division Spanish courses.
    - Students are required to satisfactorily complete a departmental exit exam. The exam is offered each September and February; students should discuss the optimal test date with their advisor.
    - Computer Competency met by the following or equivalent: CGS 1000C Introduction to Computers 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors In Major
None

Related Programs
- French
- Certificates
  - None

Related Minors
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.
- Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute Third-year level composition and conversation courses.

Acceptable Substitutes for Transfer Courses
None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new, or more appropriate selections.
Field and laboratory experiences. The Human Performance track is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e., physical therapy, occupational therapy, and cardiac rehabilitation). The Community Sport and Fitness track is appropriate for students seeking positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities.

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e., an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements
- Students should consult with an advisor on a regular basis.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a "C" (2.0) in each required course and maintain an overall GPA of at least a 2.5.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete the departmental application and approval process.

1. UCF General Education Program (GEP) (37 hrs)
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
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 1063C Basic Statistics Using Microsoft Excel 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Prefer POS 2041 American National Government 3 hrs
Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
Required BSC 2010C Biology I 4 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

2. Common Program Prerequisites (CPP)
- See Transfer Notes for possible substitutes for the following course.
- BSC 2010C Biology I 4 hrs

3. Core Requirements: Basic Level (22 hrs)
Core Requirements for Sport and Exercise Science: (22 hrs)

The Sport and Exercise Science B.S. program offers students the option of three tracks, Coaching and Human Performance, offered at the Orlando campus, and Community Sport and Fitness, offered at the South Lake campus. The Coaching track is appropriate for students interested in coaching at all levels of competition, in a variety of sports, including strength and conditioning. Students are provided with a combination of course content as well as practical
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Track</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.</td>
<td>Coaching</td>
<td>24 hrs</td>
</tr>
<tr>
<td>B.</td>
<td>Human Performance</td>
<td>24 hrs</td>
</tr>
<tr>
<td>C.</td>
<td>Community Sport and Fitness</td>
<td>24 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (24 hrs)

- **Select one of the following tracks**

#### A. Track 1 - Coaching (24 hrs)
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
- PET 4763 Coaching Methods And Principles 3 hrs
- SPM 3204 Sports and Ethics 3 hrs
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs

Coaching sport specific courses will be selected under electives (PEO course prefix).

#### B. Track 2 - Human Performance (24 hrs)
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs
- PET 4143 Current Issues & Trends in Sport and Exercise Science 3 hrs
- PET 3125 Fitness and Weight Management 3 hrs
- PET 4088 Physical Activity & Preventive Medicine 3 hrs

#### C. Track 3 - Community Sport and Fitness (24 hrs)
- PET 3820 Teaching Sports Skills I 3 hrs
- PET 4002 Outdoor and Leisure Activities 3 hrs
- PET 4763 Coaching Methods And Principles 3 hrs
- SPM 3415 Public Relations in Sport and Exercise Science 3 hrs
- SPM 3130 Aquatic Management 3 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- SPM 3504 Fiscal and Facilities: Issues in Sport and Exercise Science 3 hrs
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs

### 5. Restricted Electives (25 hrs)
- Students have the opportunity to add learning experiences by earning a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate studies, for example in medicine, physical therapy and other allied health graduate programs.
- Courses are required to be 2000 level or higher.

### 6. Capstone Requirements (12 hrs)
- PET 4901 Capstone in Sport and Exercise Science 3 hrs
- Select 1: 9 hrs
  - PET 4926 Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by the advisor 9 hrs

### 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

Electives
- Restricted Electives as listed above.

Additional Requirements
- None

Required Minors
- None

### 10. University Minimum Exit Requirements
- A minimum overall GPA of 2.5.
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- Coaching
- Fitness Training

Advising Notes
- Students must meet with their advisor before enrolling each term.

Transfer Notes
- Courses transferred from private and out-of-state institutions must be evaluated for equivalency credit. The student must provide all documentation.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable if taken at a Florida College System institution:
  - BSC 1010C (4 credit hours with lab) will satisfy the BSC2010C Biology I requirement.
  - BSC 2085C OR BSC 2093C (4 credit hours with lab) will satisfy the ZOO 3736C Exercise Physiology Anatomy requirement.
### Plan of Study

- **Senior Year - Fall**: 15 hrs
- **Junior Year - Fall**: 15 hrs
- **Junior Year - Spring**: 15 hrs
- **Senior Year - Spring**: 12 hrs

#### Coaching Track
- **Senior Year - Fall**: 9 hrs
- **Junior Year - Summer**: 7 hrs

#### Human Performance Track
- **Senior Year - Fall**: 12 hrs
- **Junior Year - Fall**: 15 hrs
- **Junior Year - Spring**: 15 hrs
- **Senior Year - Spring**: 12 hrs

#### Community Sport and Fitness Track
- **Junior Year - Fall**: 15 hrs
- **Junior Year - Summer**: 7 hrs

#### Sport and Fitness Tracks follow the same Plan of Study for

<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Freshman Year - Fall</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<td>GEP section B.2</td>
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<tr>
<td>Freshman Year - Spring</td>
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<td>BSC 2010C</td>
<td>Biology I</td>
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<td>ENC 1102</td>
<td>Composition II</td>
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<td>MGF 1106</td>
<td>Finite Mathematics</td>
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<td>POS 2041</td>
<td>American National Government</td>
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<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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<td>Sophomore Year - Fall</td>
<td>15 hrs</td>
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<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
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<tr>
<td>PET 3005</td>
<td>Introduction to Sport and Exercise Science</td>
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<td>Elective Courses (2000 level or higher)</td>
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<td>Select 1:</td>
<td>3 hrs</td>
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<tr>
<td>GGS 1100C</td>
<td>Introduction to Computers or</td>
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<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel or</td>
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<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
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<tr>
<td>Sophomore Year - Spring</td>
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<tr>
<td>PET 3097</td>
<td>Health and Wellness</td>
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<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
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<tr>
<td>PET 4002</td>
<td>Physical Activity &amp; Preventive Medicine</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Nutrition and Metabolism in Sport and Exercise Science</td>
</tr>
<tr>
<td>APK 4110C</td>
<td>Exercise Physiology</td>
</tr>
<tr>
<td>SPM 3130</td>
<td>Aquatic Management</td>
</tr>
<tr>
<td>SPM 3415</td>
<td>Fiscal and Facilities: Issues in Sport and Exercise Science</td>
</tr>
<tr>
<td>Junior Year - Fall</td>
<td>15 hrs</td>
</tr>
<tr>
<td>PET 3361</td>
<td>Nutrition and Metabolism in Sport and Exercise Science</td>
</tr>
<tr>
<td>Elective Course (2000 level or higher)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Junior Year - Spring</td>
<td>15 hrs</td>
</tr>
<tr>
<td>PET 3005</td>
<td>Introduction to Sport and Exercise Science</td>
</tr>
<tr>
<td>Elective Courses (2000 level or higher)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Junior Year - Summer</td>
<td>7 hrs</td>
</tr>
<tr>
<td>Elective Courses (2000 level or higher)</td>
<td>7 hrs</td>
</tr>
<tr>
<td>Senior Year - Fall</td>
<td>15 hrs</td>
</tr>
<tr>
<td>ATR 4132</td>
<td>Human Injuries: Mechanisms &amp; Prevention</td>
</tr>
<tr>
<td>PET 4088</td>
<td>Physical Activity &amp; Preventive Medicine</td>
</tr>
<tr>
<td>PET 4050C</td>
<td>Motor Development and Learning</td>
</tr>
<tr>
<td>PET 4550C</td>
<td>Assessment and Evaluation in Exercise Science</td>
</tr>
<tr>
<td>PET 4763</td>
<td>Coaching Methods And Principles</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
</tr>
<tr>
<td>SPM 4723</td>
<td>Legal Issues in Sport and Exercise Science</td>
</tr>
<tr>
<td>Senior Year - Summer</td>
<td>12 hrs</td>
</tr>
<tr>
<td>PET 4901</td>
<td>Capstone in Sport and Exercise Science</td>
</tr>
<tr>
<td>Select 1:</td>
<td>9 hrs</td>
</tr>
<tr>
<td>PET 4926</td>
<td>Sport and Exercise Science Practicum or</td>
</tr>
<tr>
<td>Take 3 additional electives in the program approved by advisor</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- **Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm**
Statistics (B.S.)
College of Sciences
Department of Statistics,
Technology Commons II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, 407-823-5528
Phone: 407-823-2289

Admission Requirements
 None

Degree Requirements
 Students who change degree programs and select this major must adopt the most current catalog.
 Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
 Students must earn at least a "C" (2.0) in each course with a STA prefix.
 A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
 Co-op or internship credit cannot be used in this major.
 Students should consult with a departmental advisor.
 All prerequisites of courses taught within the College of Sciences will be enforced.
 Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
 All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.

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 2311C Calculus with Analytic Geometry I 4 hrs
   Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Economics
Preferred ECO 2013 Principles of Macroeconomics 3 hrs

Social Sciences: Select one.
   Required ANT 2000 General Anthropology or 3 hrs
   Required PSY 2012 General Psychology or 3 hrs
   Required SYG 2000 Introduction to Sociology 3 hrs

F: Science Foundations (8 hrs)
Life Science:
   Required BSC 2010C Biology I 4 hrs

Physical Science:
   Required CHM 2045C Chemistry Fundamentals IA and 4 hrs
   Required PHY 2048C Physics for Engineers & Scientists I and 3 hrs

2. Common Program Prerequisites (CPP) (11 hrs)
 See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including some possible substitutes.
   COP 3223 Introduction to Programming with C 3 hrs
   MAC 2311C Calculus with Analytic Geometry I GEP
   MAC 2312 Calculus with Analytic Geometry II GEP
   MAC 2313 Calculus with Analytic Geometry III GEP
   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.
 Note: both semesters do not have to be in the same subject area.
 Note: depending which courses were taken in the GEP, this requirement could require between 0 and 8 credits to complete.

Select two semesters within the following;
 See Basic Core for details.

3. Core Requirements: Basic Level
 All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken;

Core: Required, satisfies the CPP
   COP 3223 Introduction to Programming with C and CPP
   MAC 2311C Calculus with Analytic Geometry I and CPP
   MAC 2312 Calculus with Analytic Geometry II and CPP
   MAC 2313 Calculus with Analytic Geometry III and CPP
   STA 2023 Statistical Methods I and CPP

- and two semesters equivalent within the following:
 These satisfy the requirement for two semesters equivalent of science courses with labs designed for majors.

- or an alternate sequence
 These two semesters only count as one, and are considered as equivalent to the above course.

4. Core Requirements: Advanced Level (43 hrs)
   STA 4102 Computer Processing of Statistical Data 3 hrs
   STA 4163 Statistical Methods II 3 hrs
   STA 4164 Statistical Methods III 3 hrs
   STA 4321 Statistical Theory I 3 hrs
   STA 4322 Statistical Theory II 3 hrs
   ENC 3241 Writing for the Technical Professional 3 hrs
   COP 3502C Computer Science I 3 hrs
   COT 4500 Numerical Calculus 3 hrs

Select from the following courses;
   MAS 3105 Matrix and Linear Algebra or 4 hrs
   MAS 3106 Linear Algebra 4 hrs

Select from the following courses;
   COT 3100C Introduction to Discrete Structures or 3 hrs
   MHF 3302 Logic and Proof in Mathematics 3 hrs

Select from the following courses;
   STA 3096 Statistical Graphics or 3 hrs
   STA 4173 Biostatistical Methods or 3 hrs
   STA 4183 Theory of Interest or 3 hrs
   STA 4184 Introduction to Derivative Markets or 3 hrs
   STA 4186 Theory of Derivative Pricing or 3 hrs
   STA 4222 Sample Survey Methods or 3 hrs
   STA 4502 Nonparametric Statistical Methods or 3 hrs
   STA 4504 Categorical Data Analysis or 3 hrs
   STA 4664 Statistical Quality Control or 3 hrs
   STA 4852 Applied Time Series 3 hrs
5. Restricted Electives (6 hrs)
- Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
- Selected courses in engineering or business may be used but must first be approved by the Statistics Department.
- The following courses cannot be used to satisfy this requirement:
  - MAC 2233 Concepts of Calculus 3 hrs
  - MAC 2253 Applied Calculus 3 hrs
  - MAC 2254 Applied Calculus II 3 hrs
  - MHF 4404 History of Mathematics 3 hrs
  - All MAE courses

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- The following courses from business may be used without prior approval by the Statistics Department.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs
  - FIN 3403C Business Finance 4 hrs

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each STA course.
- Take SOA Exam P (Probability) and report the score to the department.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each STA course.
- Take SOA Exam P (Probability) and report the score to the department.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Mathematics - Applied Track
- Mathematics Education

Certificates
- None

Related Minors
- Statistics
- Mathematics

Advising Notes
- It is the student's responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
- Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and still may need to be taken.
- Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However, the listed biology courses are also a core requirement and will need to be taken.
- Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program's core and will still need to be taken.

Plan of Study (120 hrs)
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 13 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs

Freshman Year - Spring 15 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs

Select one course:
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- PHY 2053C College Physics I 4 hrs

Sophomore Year - Fall 16 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 15 hrs
- STA 4164 Statistical Methods III 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- Core Course 3 hrs
- Core Course 4 hrs

Junior Year - Fall 15 hrs
- STA 4132 Statistical Theory I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs

Junior Year - Spring 16 hrs
- STA 4322 Statistical Theory II 3 hrs
- Core Course 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
- STA 4102 Computer Processing of Statistical Data 3 hrs
- COP 4500 Numerical Calculus 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- Core Course 3 hrs
- Elective / Minor 3 hrs
- Take SOA EXAM P (Probability).
Technical Education and Industry Training (B.S.)

College of Education and Human Performance

Department of Educational and Human Sciences,

Education Complex, Room: ED 123 N

http://education.ucf.edu/teched/

Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu,
407-325-6293

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements

- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida College System or State University institution).

- Have a minimum 2.5 overall GPA

- Complete prerequisite courses

- Meet the Gordon Rule Requirement

- Meet Foreign Language Admission Requirement

Degree Requirements

- Students should consult with an Education advisor prior to registration.

- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community and state colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor's degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)
   EDF 2005 Introduction to the Teaching Profession 3 hrs
   EDF 2085 Introduction to Diversity for Educators 3 hrs
   EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (57 hrs)
   ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
   ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs

   ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
   ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
   ECW 3564 Special Populations in Career & Technical Education 3 hrs
   ECT 4004 Principles and Practices of Technical Education 3 hrs
   ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
   ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs

Select 1: 3 hrs
   BTE 4410 Course Construction in Business Education or
   ECW 3312 Course Construction in Health Occupations Education 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.

5. Restricted Electives (18 hrs)
   Upper Division Electives 6 hrs
   - With advisor's approval

Directed Field Experience 12 hrs

- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

6. Capstone Requirements
   None

7. Foreign Language Requirements

Admissions

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses within the major.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120
Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Social Foundations Course 3 hrs
- Cultural-Historical Foundations Course 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs

Select 1: 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics 3 hrs
- Cultural-Historical Foundations Course 3 hrs
- Cultural-Historical Foundations Course 3 hrs
- Social Foundations Course 3 hrs

Sophomore Year - Fall
- 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
- EDF 2095 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
- ECW 3564 Special Populations in Career & Technical Education 3 hrs

Select 1: 3 hrs
- ECW 3312 Course Construction in Health Occupations Education or
- ECT 3371 Course Construction in Industrial Education 3 hrs

Junior Year - Fall
- ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
- Technical Specialization Courses 12 hrs

Junior Year - Spring
- ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
- ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
- Technical Specialization Courses 9 hrs

Junior Year - Summer
- ECT 4004 Principles and Practices of Technical Education 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs

Senior Year - Fall
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs
- Upper Division Electives 6 hrs

Senior Year - Spring
- 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.oeas.ucf.edu/alic/academic_learning_compacts.htm

Theatre (B.F.A.)

College of Arts and Humanities

Department of Theatre,

Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu

Be Boyd. Coordinator: Acting, Belinda.Boyd@ucf.edu
Bert Scott. Coordinator: Design & Tech, Bert.Scott@ucf.edu
Molly McCarter, Coordinator: Stage Management, molly.mccarter@ucf.edu
Phone: 407-823-2862

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in 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.
UCF Degree Programs

- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The BFA plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. To receive a “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve, probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program. Continuation in the BFA program requires a positive BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op credit cannot be used in this major
- Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department
- Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, one must be a front of house assignment, and the final one can be chosen by the student.
- Prior to graduation, all BFA Design & Technology and Stage Management majors (including transfers) must participate in at least 4 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be in an advanced production position. The other two credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.
- All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department’s Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University 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)

- Required THE 2020 Survey of Theatre for Majors 3 hrs
- Required ARH 2051 History of Western Art II 3 hrs

**C: Mathematical Foundations** (6 hrs)

- Suggested MGF 1107 Explorations in Mathematics 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs

**Math:**

- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

**Statistics - Computers**

- Select a course from GEP C.2 list

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (6 hrs)

**2. Common Program Prerequisites (CPP)** (20 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**Acting**

- Select Technical Theatre Production or Stagecraft I.

**Technical Theatre Production or Stagecraft I**

- Acting Select Technical Theatre Production sequence.
- Design & Technology and Stage Management select Stagecraft I.

- TPP 2110 Technical Theatre Production and 2 hrs
- TPP 2210L Technical Theatre Production Lab 1 hr
- or TPP 2210 Stagecraft I 3 hrs

**TPA 2201** Technical Theatre Production and 2 hrs
**TPA 2201L** Technical Theatre Production Lab 1 hr
or **TPA 2210** Stagecraft I 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

320 Undergraduate Catalog 2013-2014
Acting II or Stagecraft II

- Acting Specialization take Acting II. Design & Technology and Stage Management take Stagecraft II sequence.
  
  TPP 2170C Acting II-The Actor Prepares 3 hrs
  or
  TPA 2211 Stagecraft II 3 hrs

Design Basics or Elective

- Design & Technology and Stage Management select
  
  TPA 2000C Acting Select Elective.
  
  TPA 2000C Theatre Design Basics 3 hrs
  or
  Theatre Elective offered by Theatre Department (DAA, TPA, TPP 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 3 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 3173C Acting III - Building the Character and Movement for the Actor I and 2 hrs
TPP 3513C Movement for the Actor II and 2 hrs
TPP 4512C Stage Combat and 2 hrs
TPP 3257C Musical Theatre Voice I and 2 hrs
TPP 3258C Musical Theatre Voice II and 2 hrs
TPP 3711C Voice Production II and 2 hrs
TPP 3712C Voice Production III and 2 hrs
TPP 4730C Dialects and 2 hrs
TPP 4140C Acting IV - Creating the Role and 3 hrs
TPP 4142C Acting Verse and 3 hrs
TPP 4265C Camera Acting and 3 hrs
TPP 4531C Period Movement and 2 hrs
TPP 4221 Auditioning and 3 hrs
TPP 4223C Theatre Careers for Performance and 3 hrs
TPP 2190L Theatre Participation-Performance I and 1 hr
TPP 4940L Theatre Internship and 6 hrs
Restricted Electives (see list of courses) 12 hrs

Select 1: 2 hrs

TPA 2210L Stagecraft I Lab and 1 hr
TPP 2211L Stagecraft II Lab and 1 hr
TPP 2170C Introduction to Theatre Production and Documentation and 2 hrs
TPP 2210C Stage Electronics and 3 hrs
1 TPA 4298L Theatre Participation-Production II and 1 hr
1 TPA 4298L Theatre Participation-Production II and 1 hr
TPA 2071C Theatre Rendering and 3 hrs
TPA 2071C Scenery and 3 hrs
THE 4284 Period Costume, Architecture, and Decor I and 3 hrs

THE 2095 Period Costume, Architecture, and Decor II and 3 hrs
TPP 4219C Theatre Participation-Production II and 1 hr
TPP 4234C Advanced Topics in Technical Theatre 3 hrs
TPP 3257C Summer Theatre Studio/Design I and 3 hrs
TPP 3257C Summer Theatre Studio/Design II and 3 hrs
TPP 4221C Lighting Design for Theatre 3 hrs
TPA 3071C Scene Painting and 3 hrs
TPA 3601 Stage Management and 3 hrs
TPA 4066C Advanced Scenography and 3 hrs
TPP 4940L Theatre Internship and 6 hrs
Design Electives (see list of courses, choose three) 9 hrs

1 This course is taken twice

5. Restricted Electives

- (except where required for a specialization - see specializations for credit hours)
  
  Choose from the following:
  
  THE 4093L Theatre Participation-Management II 1 hr
  THE 5240 Musical Theatre Survey 3 hrs
  THE 5307 Contemporary Theatre Practice 3 hrs
  TPP 3077C Scene Painting 3 hrs
  TPP 3383C Topics in Technical Theatre 2 hrs
  THE 3066C Scenic Design for Theatre I 3 hrs
  THE 4061C Scenic Design for Theatre II 3 hrs
  THE 3045C Costume Design for Theatre I 3 hrs
  THE 3223C Lighting Design for Theatre I 3 hrs
  THE 3265C Sound Design for Theatre I 3 hrs
  THE 4041C Costume Design for Theatre II 3 hrs
  THE 4224C Lighting Design for Theatre II 3 hrs
  THE 4264C Sound Design for Theatre II 3 hrs
  THE 4384C Advanced Topics in Technical Theatre 3 hrs
  THE 3195L Summer Theatre Studio/Design I 3 hrs
  THE 3195L Summer Theatre Studio/Design II 3 hrs
  THE 2600 Stage Management Basics 3 hrs
  THE 3601 Stage Management 3 hrs
  TPA 4400 Theatre Management 3 hrs
  TPA 4298L Theatre Participation-Production II 1 hr
  TPA 3197L Summer Theatre Studio/Design II and 3 hrs
  TPA 2600 Stage Management Basics 3 hrs
  TPA 3601 Stage Management 3 hrs
  TPA 4400 Theatre Management 3 hrs
  TPA 4298L Theatre Participation-Production II 1 hr
  TPA 3197L Summer Theatre Studio/Design II and 3 hrs
  TPA 3197L Summer Theatre Studio/Design II and 3 hrs
  TPA 2600 Stage Management Basics 3 hrs
  TPA 2600 Stage Management Basics 3 hrs
  TPA 3601 Stage Management 3 hrs
  TPA 4400 Theatre Management 3 hrs
  TPA 4298L Theatre Participation-Production II 1 hr
  TPP 3952L Summer Theatre Studio/Design II and 3 hrs
  TPP 3952L Summer Theatre Studio/Design II and 3 hrs
  THE 4284 Period Costume, Architecture, and Decor I and 3 hrs

THE 4284 Period Costume, Architecture, and Decor II and 3 hrs

TPP 3952L Summer Theatre Studio/Design II and 3 hrs
TPP 3952L Summer Theatre Studio/Design II and 3 hrs
ARH 2050 History of Western Art I 3 hrs
TPP 4243C Acting Styles 3 hrs
TPA 4221C Lighting Design for Theatre II 3 hrs
TPA 4264C Sound Design for Theatre II 3 hrs
TPA 4384C Advanced Topics in Technical Theatre 3 hrs
THE 3195L Summer Theatre Studio/Design I 3 hrs
THE 3195L Summer Theatre Studio/Design II 3 hrs
THE 2600 Stage Management Basics 3 hrs
THE 3601 Stage Management 3 hrs
TPA 4400 Theatre Management 3 hrs
TPA 4298L Theatre Participation-Production II 1 hr
TPP 3197L Summer Theatre Performance 3 hrs
TPP 3952L Summer Theatre Performance 3 hrs
THE 4284 Period Costume, Architecture, and Decor I and 3 hrs
THE 4284 Period Costume, Architecture, and Decor II and 3 hrs

TPP 4243C Circus Arts 2 hrs
1 THE 3005 Directed Independent Study 1 hr
1 DAA 3005 Directed Independent Research 1 hr
1 DAA 4912 Directed Independent Research 1 hr
THE 4423 Women in Theatre 3 hrs
THE 4543 Theatre for Social Change 3 hrs
THE 4543 Theatre for Social Change 3 hrs
THE 4212 Global Theatre 3 hrs
THE 3383 Taboo Theatre: Sex & Violence on Stage 3 hrs
THE 3250 Sex, Drugs, & the Rock and Roll Musical 3 hrs
Honors in the Major Directed Readings and Thesis 3 hrs

1 The Undergraduate Catalog 2013-2014
UCF Degree Programs

1 Other THE, TPA, TPP, DAA, or DAN courses taught by and approved by the department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

Design Electives
- (for Design and Technology Specialization)
- Select three from the following:
  - TPA 3050C  Scenic Design for Theatre I  3 hrs
  - TPA 3045C  Costume Design for Theatre I  3 hrs
  - TPA 3223C  Lighting Design for Theatre I  3 hrs
  - TPA 3265C  Sound Design for Theatre I  3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Theatre course
- Maintain a Theatre GPA of “B” (3.0) or better
- Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF.
- Computer Competency met by STA 1063C, TPA 4250C, or a computer science course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 129

Honors in Major
- None

Related Programs
- Art
- Film
- Music
- Theatre Studies

Certificates
- None

Related Minors
- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

Advising Notes
- None

Transfer Notes
- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - THE 2081C is a required course taught in conjunction with THE 2081. You must take THE 2081C at UCF. Some students with a transfer substitution choose to take THE 2081 at UCF as a theatre elective. THE 2081C is a required course taught in conjunction with THE 2081. You must take THE 2081C at UCF. Some students with a transfer substitution choose to take THE 2081 at UCF as a theatre elective.
  - THE 2304 May use any introductory Theatre Play or Stagecraft course. Lab will still need to be taken.
  - TPA 2210 may be substituted with any introductory Stagecraft Course.
  - TPA 2201 may be substituted with any introductory Stagecraft course.
  - TPA 3310C Directing for Theatre I  3 hrs may be substituted with: TTP 2300

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

Theatre - Musical Theatre Track (B.F.A.)
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: 210A
http://theatre.cah.ucf.edu
Earl Weaver, Earl.Weaver@ucf.edu
Phone: 407-823-2862

The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.

A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit http://www.theatre.ucf.edu for details.

All students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.

All BFA musical theatre students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.

Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.

The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UC theatre production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Students with poor performance need not be sequential for possible release from program.
- Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op cannot be used in this major.
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to removal from the program.
- Departmental Residency Requirement consists of 60 departmental credits toward total theatre credits. Participation coursework for students transferring into the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Students with poor performance need not be sequential for possible release from program.
- Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.
- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.

Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.

All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.

The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Courses designated 1 (General Education Program) are taken throughout all four years.

### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 TPA 2201L</td>
<td>Theatre Participation-Production I</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 THE 2020</td>
<td>Survey of Theatre for Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 THE 2304</td>
<td>Script Analysis for Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 THE 2090L</td>
<td>Theatre Participation-Management I</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 TPA 2200L</td>
<td>Technical Theatre Production</td>
<td>2 hrs</td>
</tr>
<tr>
<td>1 TPA 2201L</td>
<td>Technical Theatre Production Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 TPP 3310C</td>
<td>Directing for Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 TPP 2110C</td>
<td>Acting I - Introduction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 TPP 2170C</td>
<td>Acting II - The Actor Prepares</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 TAA 2200C</td>
<td>Acting Elective</td>
<td>3 hrs</td>
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</table>

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<tr>
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<td>Acting II - The Actor Prepares</td>
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</tr>
<tr>
<td>1 TAA 2200C</td>
<td>Acting Elective</td>
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### 2. Common Program Prerequisites (CPP) (20 hrs)

<table>
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<tr>
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<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 TPA 2201L</td>
<td>Theatre Participation-Production I</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 THE 2020</td>
<td>Survey of Theatre for Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 THE 2304</td>
<td>Script Analysis for Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 THE 2090L</td>
<td>Theatre Participation-Management I</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 TPA 2200L</td>
<td>Technical Theatre Production</td>
<td>2 hrs</td>
</tr>
<tr>
<td>1 TPA 2201L</td>
<td>Technical Theatre Production Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 TPP 3310C</td>
<td>Directing for Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 TPP 2110C</td>
<td>Acting I - Introduction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 TPP 2170C</td>
<td>Acting II - The Actor Prepares</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 TAA 2200C</td>
<td>Acting Elective</td>
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### 3. Core Requirements: Basic Level (20 hrs)

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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MUS 1121</td>
<td>Music Theory and Musicanship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUS 1122</td>
<td>Music Theory and Musicanship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>DAA 2200C</td>
<td>Ballet I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2201C</td>
<td>Ballet II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2570C</td>
<td>Jazz Dance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2571C</td>
<td>Jazz Dance II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2520C</td>
<td>Tap Dance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 2248C</td>
<td>Makeup Techniques</td>
<td>2 hrs</td>
</tr>
<tr>
<td>THE 2081C</td>
<td>Introduction to UCF Theatre</td>
<td>3 hrs</td>
</tr>
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</table>
## UCF Degree Programs

### 4. Core Requirements: Advanced Level (50 hrs)

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<tr>
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<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPP 3173C</td>
<td>Acting III - Building the Character</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4140C</td>
<td>Acting IV - Creating the Role</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3251</td>
<td>Musical Theatre Acting I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3252</td>
<td>Musical Theatre Acting II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4244</td>
<td>Musical Theatre History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4245</td>
<td>Musical Theatre History II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3311</td>
<td>Theatre History and Dramatic Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3257C</td>
<td>Musical Theatre Voice I</td>
<td>2 hrs</td>
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<tr>
<td>TPP 3258C</td>
<td>Musical Theatre Voice II</td>
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<tr>
<td>TPP 4259C</td>
<td>Musical Theatre Voice III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4902C</td>
<td>Musical Theatre Voice IV</td>
<td>2 hrs</td>
</tr>
<tr>
<td>1 TPP 4746C</td>
<td>Musical Theatre Repertoire</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4940L</td>
<td>Theatre Internship</td>
<td>6 hrs</td>
</tr>
<tr>
<td>TPP 4253C</td>
<td>Musical Theatre Acting III</td>
<td>3 hrs</td>
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<tr>
<td>TPP 4223C</td>
<td>Theatre Careers for Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:
- **2 hrs**
  - (1 credit course, must be taken twice)
  - TPA 4298L Theatre Participation-Production II or THE 4093L Theatre Participation-Management II or TPP 4193L Theatre Participation-Performance II

#### Movement Electives (1 hr)
- 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 TPP 4512C Stage Combat

### 5. Restricted Electives (1 hr)
- Chosen from the following

#### 1. TPP 4312C Advanced Directing for Theatre

#### 2. TPP 4193C Acting Styles

#### 3. TPP 4746C Musical Theatre Repertoire

#### 4. TPP 4940L Theatre Internship

#### 5. TPP 4253C Musical Theatre Acting III

#### 6. TPP 4223C Theatre Careers for Performance

#### 7. THE 4954 Theatre Exit Critique

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

### 8. Electives
- (variable)

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a Theatre GPA of "B" (3.0) or better
- Complete an Exit Survey, Exit Interview, and Audit Check the semester prior to final semester of theatre classes
- Minimum of 60 theatre credits must be completed in residency at UCF
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Computer Competency met by STA 1063C or a computer science course.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required
- 129

#### Honors In Major
- None

#### Related Programs
- Film
- Music
- Theatre Studies

#### Certificates
- None

#### Related Minors
- Music
- Film - Cinema Studies
- Theatre
- Dance

#### Advising Notes
- None

#### Transfer Notes
- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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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.
Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - THE 2020 Survey of Theatre for Majors 3 hrs
  - TPA 2201 Technical Theatre Production 2 hrs
  - TPP 2300 3 hrs

- TPP 3310C Directing for Theatre I 3 hrs

1. may be substituted with: TPP 2300

Students may be released from the program. Semesters of poor performance need not be sequential for possible release from the program.

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

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

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,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
Ciara Wilson, 407-823-2169
Phone: 407-823-2862

The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

Admission Requirements

- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit http://www.theatre.ucf.edu.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15. 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 or graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from the program.
- Co-op credit cannot be used in this major.

Students must consult with a departmental advisor each semester before registering. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

Departmental Residency Requirement consists of at least 30 semester hours of courses taken from the UCF Theatre Department.

- All BA Theatre Studies students must register for three semesters of Theatre Participation in addition to the Technical Theatre Production Lab. One Participation credit must be as part of a run crew. One Participation credit must be as part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.
- All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required THE 2020 Survey of Theatre for Majors 3 hrs
Select one course from 1.B.1 list 3 hrs
Select one course from 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

Math:

Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers 3 hrs

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 THE 2020 Survey of Theatre for Majors GEP
THE 2304 Script Analysis for Theatre 3 hrs
THE 2090L Theatre Participation-Management I 1 hr
TPA 2201L Technical Theatre Production Lab 2 hrs
TPP 3310C Directing for Theatre I 3 hrs
TPP 2700C Technical Theatre Production 3 hrs
TPP 2700C Stage Speech/voice 3 hrs
TPP 2700C Fundamentals of Acting 3 hrs
Theatre Elective (THE, TPP, TPA prefix) 3 hrs

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level

- None
**UCF Degree Programs**

- **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 2061C Introduction to UCF Theatre 3 hrs
  - THE 4954 Theatre Exit Critique 0 hrs

- **5. Restricted Electives** *(16 hrs)*
  - Select 16 hours from the following:
    - THE 4230 Cultural Diversity in Theater 3 hrs
    - THE 3082 Theatre Careers 3 hrs
    - TPP 4143C Acting Styles 3 hrs
    - TPP 3264C Acting on Camera 3 hrs
    - THE 2025 Introduction to Theatrical Design 3 hrs
    - THE 3240 Musical Theatre Survey 3 hrs
    - THE 4093L Theatre Participation-Management II 1 hr
    - TPA 4298L Theatre Participation-Production II 1 hr
    - TPP 4193L Theatre Participation-Performance II 1 hr
    - THE 5307 Contemporary Theatre Practice 3 hrs
    - THE 4284 Period Costume, Architecture, and Decor I 3 hrs
    - THE 4285 Period Costume, Architecture, and Decor II 3 hrs
    - TPP 3195L Summer Theatre Studio/Design I 3 hrs
    - TPP 3197L Summer Theatre Studio/Design II 3 hrs
    - TPA 2600 Stage Management Basics 3 hrs
    - TPA 4400 Theatre Management 3 hrs
    - TPP 310 Intermediate Acting 3 hrs
    - TPP 3197L Summer Theatre/Performance 3 hrs
    - TPP 3952L Summer Studio Performance 3 hrs
    - TPP 4511C Advanced Directing for Theatre 3 hrs
    - TPA 3601 Stage Management 3 hrs
    - TPP 4243C Circus Arts 2 hrs
    - THE 4912 Directed Independent Research 1 hr
    - TPP 4512C Stage Combat 2 hrs
    - THE 4423 Women in Theatre 3 hrs
    - THE 4543 Theatre for Social Change 3 hrs
    - THE 4212 Global Theatre 3 hrs
    - THE 3383 Taboo Theatre: Sex & Violence on Stage 3 hrs
    - THE 3250 Sex, Drugs, & the Rock and Roll Musical 3 hrs
    - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
    - Any DAA or DAN courses taught by the theatre department 2 hrs
    - Honors in the Major Directed Readings and Thesis (see footnote #1 for information)

- **6. Capstone Requirements**
  - None

- **7. Foreign Language Requirements**
  - None

- **Admissions**
  - Met by graduation requirement

- **Graduation**
  - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

- **8. Electives**
  - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

- **9. Additional Requirements**
  - None

- **10. Required Minors**
  - Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor.

- **11. Departmental Exit Requirements**
  - Earn a grade of “C” (2.0) or better in each Theatre course.
  - Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
  - Complete an Exit Survey, and Exit Interview/Audit
  - 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 1063C Basic Statistics Using Microsoft Excel 3 hrs

- **12. University Minimum Exit Requirements**
  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF.
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Art
- Film
- Music
- Theatre

**Certificates**
- None

**Related Minors**
- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance

**Advising Notes**
- None

**Transfer Notes**
- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- 1 THE 2020 Survey of Theatre for Majors 3 hrs
- 1 THE 2304 Script Analysis for Theatre 3 hrs
- 1 THE 2304 Script Analysis for Theatre 3 hrs
- 1 THE 3305 Technical Theatre Production 2 hrs
- 1 TPA 2210 Technical Theatre Production 2 hrs
- 2 TPA 2210 Technical Theatre Production 2 hrs
- 1 TPP 4000 Theatre Management 3 hrs
- 1 TPP 3100C Directing for Theatre 3 hrs
- 1 TPP 4511C Advanced Directing for Theatre 3 hrs
- 1 TPP 4511C Advanced Directing for Theatre 3 hrs

1. Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

2. Met by graduation requirement

3. University minimum upper division credit requirement must still be met.
World Languages Education - French (B.S.)

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language

Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- 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)
- Preferred ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Preferred AMH 2010 U.S. History: 1492-1877 3 hrs
- Preferred AMH 2020 U.S. History: 1877-Present 3 hrs
- Preferred PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 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 or BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EFD 2005 Introduction to the Teaching Profession 3 hrs
EFD 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
FRE 2201 Intermediate French Language and Civilization II 3 hrs
FRE 3300 French Grammar 3 hrs
FRE 3420 French Composition 3 hrs
FRW 3100 Survey of French Literature I 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (3 hrs)
- EFD 2130 Child and Adolescent Development for Educators 3 hrs

4. Core Requirements: Advanced Level (60 hrs)

Education Core Requirements 18 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EGD 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

1 EGD 4410 Teaching Strategies and Classroom Management 3 hrs
1 EDF 4467 Learning Theory and Assessment 3 hrs
1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
2 RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
2 EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
EFD 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

1 Required prior to Internship I
2 Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

Internship I 3 hrs
- Program Internship I Prerequisites: EGD 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of “C-” or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

FLE 3940 Internship 3 hrs

Specialization Requirements 24 hrs
1 FLE 4333 Foreign Language Teaching in the Secondary Schools 3 hrs
1 FLE 4340 Foreign Language Teaching in Elementary Schools 3 hrs
FRE 3760 Advanced French Oral Communication 3 hrs
FRW 3101 Survey of French Literature II 3 hrs
1 FRE 4421 Advanced French Conversation 3 hrs
1 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 4340 and FRE 3423 may substitute for FLE 4421 and FRE 4422.
## UCF Degree Programs

### Related Programs
- None

### Certificates
- None

### Honors In Major
- None

### Total Semester Hours Required
- 120

### 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.
  - 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.

### 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 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

### 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
- PSY 2012 General Psychology
- 3 hrs
- AMH 2010 U.S. History: 1492-1877
- 3 hrs

#### Select 1:
- MGF 1106 Finite Mathematics or
- 3 hrs
- MGF 1107 Explorations in Mathematics
- 3 hrs

#### Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present
- 3 hrs
- ENC 1102 Composition II
- 3 hrs
- POS 2041 American National Government
- 3 hrs
- PSC 1121 Physical Science
- 3 hrs

#### Freshman Year - Summer
- PHI 2010 Introduction to Philosophy
- 3 hrs
- SPC 1608 Fundamentals of Oral Communication
- 3 hrs

#### Sophomore Year - Fall
- EDF 2005 Introduction to the Teaching Profession
- 3 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators
- 3 hrs
- FRE 2201 French Composition
- 3 hrs

#### Select 1:
- STA 2014C Principles of Statistics or
- 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel
- 3 hrs

#### Sophomore Year - Spring
- FRE 3300 French Grammar
- 3 hrs
- FRW 3100 Survey of French Literature I
- 3 hrs

#### Sophomore Year - Summer
- FRE 3420 French Composition
- 3 hrs

#### Junior Year - Fall
- EDF 4467 Learning Theory and Assessment
- 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management
- 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings
- 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL
- 3 hrs

#### Junior Year - Spring
- RED 4043 Content Reading in Kindergarten through Grade 12
- 3 hrs

#### Junior Year - Summer
- FLE 4314 Foreign Language Teaching in Elementary Schools
- 3 hrs
- FLE 3333 Foreign Language Teaching in the Secondary School
- 3 hrs

#### Related Minors
- None

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study

1. Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

1. This course may be taken in the Fall of the senior year with consent of instructor.
Senior Year - Fall
- FLE 3940 Internship 3 hrs
- FRE 4421 Advanced French Conversation 3 hrs
- Two upper division restricted electives (FRE/FRW 3/4XXX) 6 hrs

Senior Year - Spring
- FLE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

World Languages Education - Spanish (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language

Email: kverkler@mail.ucf.edu
Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.
  A: Communication Foundations (9 hrs)
  - Required ENC 1101 Composition I 3 hrs
  - Required ENC 1102 Composition II 3 hrs
  - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
  B: Cultural & Historical Foundations (9 hrs)
  - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
  - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
  - Prefer PHI 2010 Introduction to Philosophy 3 hrs
  C: Mathematical Foundations (6 hrs)
  - Prefer MGF 1106 Finite Mathematics 3 hrs
  D: Social Foundations (6 hrs)
  - Prefer POS 2041 American National Government 3 hrs
  - Prefer PSY 2012 General Psychology 3 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  EDF 2005 Introduction to the Teaching Profession 3 hrs
  1 EDF 2085 Introduction to Diversity for Educators 3 hrs
  EME 2040 Introduction to Technology for Educators 3 hrs
  SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs
  SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
  SPN 3420 Spanish Composition 3 hrs
  2 SPW 3100 Survey of Spanish Literature I 3 hrs

3. Core Requirements: Basic Level (3 hrs)
- Other Program Requirements (3 hrs)
  EDF 2130 Child and Adolescent Development for Educators 3 hrs
  SPN 2201 Intermediate Spanish Language and Civilization II CPP
  SPN 3300 Advanced Spanish Grammar and Composition CPP
  SPN 3420 Spanish Composition CPP
  SPW 3100 Survey of Spanish Literature I CPP

4. Core Requirements: Advanced Level (60 hrs)
- Education Core Requirements (3 hrs)
  - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
  - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 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 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
  1 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
  2 EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
  EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

  1 Required prior to Internship I
  2 Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

Internship I (3 hrs)
- Program Internship I Prerequisites: EDF 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of “C-” or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Students must apply and be approved for Internship I.

Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

FLE 3940 Internship 3 hrs
### Specialization Degree Programs

**Specialization Requirements** 21 hrs

1. FLE 4333  Foreign Language Teaching in the Secondary School 3 hrs
2. FLE 4314  Foreign Language Teaching in Elementary Schools 3 hrs
3. SPN 3760  Advanced Spanish Oral Communication 3 hrs
4. SPW 3101  Survey of Spanish Literature II 3 hrs
5. SPN 3344  Advanced Spanish Native Fluency I 3 hrs
6. SPN 3345  Advanced Spanish Native Fluency II 3 hrs
7. SPN 4520  Latin American Civilization and Culture 3 hrs

1. Required prior to Internship I
2. SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101.

#### Upper Division Restricted Electives 6 hrs

- 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

#### Other Cognate Requirements 3 hrs

Select 1: 3 hrs

- SPN 3852  Bilingualismo or 3 hrs
- SPN 4800  Spanish-American Syntax or 3 hrs
- SPN 4801  Spanish Morphosyntax 3 hrs

**Internship II Block** 12 hrs

- At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.clinicalexperiences.education.ucf.edu](http://www.clinicalexperiences.education.ucf.edu).
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.006.
- FLE 4941  Internship 12 hrs

#### Upper Division Restricted Electives 6 hrs

- 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

#### Other Cognate Requirements 3 hrs

Select 1: 3 hrs

- SPN 3852  Bilingualismo or 3 hrs
- SPN 4800  Spanish-American Syntax or 3 hrs
- SPN 4801  Spanish Morphosyntax 3 hrs

**Internship II Block** 12 hrs

- At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.clinicalexperiences.education.ucf.edu](http://www.clinicalexperiences.education.ucf.edu).
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.006.
- FLE 4941  Internship 12 hrs

### 11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

120

### Honors In Major

None

### Related Programs

None

### Certificates

None

### Related Minors

None

### Advising Notes

None

### Transfer Notes

None

### Acceptable Substitutes for Transfer Courses

None

### Plan of Study

**Recommended Four Year Sequence of Courses**

#### Freshman Year - Fall 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

- PHI 2010  Introduction to Philosophy 3 hrs
- SPN 2201  Intermediate Spanish Language and Civilization II

#### Sophomore Year - Fall 15 hrs

- 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
- SPN 3300  Advanced Spanish Grammar and Composition 3 hrs

**Select 1:** 3 hrs

- STA 2014C  Principles of Statistics or 3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel 3 hrs

1. Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

#### Sophomore Year - Spring 12 hrs

- EDF 2085  Introduction to Diversity for Educators 3 hrs
- EME 2040  Introduction to Technology for Educators 3 hrs
- SPN 3420  Spanish Civilization II

**Select 1:** 3 hrs

- BSC 1005  Biological Principles or 3 hrs
- ANT 2511  The Human Species 3 hrs
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<th>Sophomore Year - Summer</th>
<th>3 hrs</th>
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<td>SPW 3100</td>
<td>Survey of Spanish Literature I</td>
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<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
</tr>
<tr>
<td>SPN 3344</td>
<td>Advanced Spanish Native Fluency I</td>
</tr>
<tr>
<td>SPN 3760</td>
<td>Advanced Spanish Oral Communication</td>
</tr>
<tr>
<td>SPW 3101</td>
<td>Survey of Spanish Literature II</td>
</tr>
<tr>
<td>SPN 4520</td>
<td>Latin American Civilization and Culture</td>
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<tr>
<th>Junior Year - Spring</th>
<th>12 hrs</th>
</tr>
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<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
</tr>
<tr>
<td>SPN 3345</td>
<td>Advanced Spanish Native Fluency II</td>
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<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
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<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
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<th>Junior Year - Summer</th>
<th>9 hrs</th>
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<tbody>
<tr>
<td>FLE 4314</td>
<td>Foreign Language Teaching in Elementary Schools</td>
</tr>
<tr>
<td>FLE 4333</td>
<td>Foreign Language Teaching in the Secondary School</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
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<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
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<tr>
<td>FLE 3940</td>
<td>Internship</td>
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<th>3 hrs</th>
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<tr>
<td>SPN 4410</td>
<td>Advanced Spanish Conversation</td>
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<td>SPN 4421</td>
<td>Advanced Spanish Composition</td>
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<tr>
<td>SPN 4510</td>
<td>Spanish Civilization and Culture</td>
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<tr>
<td>SPN 3852</td>
<td>Bilinguismo</td>
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<td>SPN 4800</td>
<td>Spanish-American Syntax</td>
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<td>SPN 4801</td>
<td>Spanish Morphosyntax</td>
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<th>Senior Year - Spring</th>
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<tbody>
<tr>
<td>FLE 4941</td>
<td>Internship</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: $12 per term
- Full-Time Student: $24 per term
MINORS AND CERTIFICATES

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

Minors
Accounting
Actuarial Science
Aerospace Studies
Africana Studies
Aging Studies
American Studies
Anthropology
Anthropology in Multicultural Studies
Art - Studio
Art Education
Art History
Asian Studies
Astronomy
Bioengineering
Biology
Biomedical Sciences
Business
Chemistry
Coaching
Cognitive Sciences
Communication Sciences and Disorders
Community Arts - PAVE
Computer Science
Crime, Law, and Deviance
Criminal Justice
Dance
Digital Humanities
Digital Media
Diplomacy
Diversity and Social Inequality
Early Childhood
Development and Education
Economic Policy
Economics
Education
Emergency Management and Homeland Security
Energy and Sustainability
Engineering Leadership
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Communication
English Language Arts Education
Entrepreneurship
Environmental Studies
European Studies
Event Management
Exceptional Student Education
Film - Cinema Studies
Finance
Fitness Training
French
Global Peace and Security Studies
Health Informatics and Information Management
Health Sciences
Health Services Administration
History

Hospitality Management
Human Communication
Humanities
Information Technology
Intelligent Robotic Systems
International and Global Studies
International Business
International Engineering
Italian
Journalism Studies
Judaic Studies
Latin American Area Studies
Leadership Studies
Legal Studies
Magazine Journalism
Marketing
Mass Communication
Mass Culture and Collective Behavior
Mathematical Biology
Mathematics
Mathematics Education
Medical Anthropology
Medical Sociology
Medieval and Renaissance Studies
Middle Eastern Studies
Military Science
Music
Nonprofit Management/National Certification Program in Nonprofit Management
North American Indian Studies
Performing Arts Administration
Philosophy
Philosophy, Religion and Popular Culture
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Recreation
Religion and Cultural Studies
Russian Studies
Science Education
Secure Computing and Networks
Social Science Education
Sociology
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technological Entrepreneurship
Theatre
Urban and Regional Planning
Women's Studies
World Comparative Studies
World Languages Education - English for Speakers of Other Languages
World Languages Education - Languages Other Than English
Writing and Rhetoric

Certificates
Aging Studies Certificate
Behavioral Forensics Certificate
Children's Services Certificate
Crime Analysis and Crime Mapping Certificate
Crime Scene Investigation Certificate
Criminal Profiling Certificate
Cultural Tourism Certificate
Diplomacy Certificate
Educational Studies Certificate
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Health Communications Certificate
Judaic Studies Certificate
Language Development and Disorders Certificate
Leadership Studies Certificate
Marketing: e-Marketing Certificate
Marketing: Entertainment Marketing Certificate
Marketing: Healthcare Marketing Certificate
Marketing: Retailing Management Certificate
Marketing: Selling and Sales Management Certificate
Marketing: Services Marketing Certificate
Marketing: Sport Marketing Management Certificate
Native American Studies Certificate
Nonprofit Management Certificate
Public and Professional Writing Certificate
Real Estate: Mortgage Brokerage Certificate
Real Estate: Real Estate Appraisal Certificate
Real Estate: Real Estate Brokerage Certificate
Security Management Certificate
Service-Learning Certificate
Substitute Teaching Certificate
Teaching English as a Foreign Language Certificate
Translation and Interpretation Certificate
Victim Advocacy Certificate
Women's Studies Certificate
Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting,
Business Administration II, Room: 101
http://web.bus.ucf.edu/accounting
Phone: 407-823-2184

For Business and Non-Business Majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ACG 3131 Intermediate Financial Accounting I 3 hrs

Restricted Electives (12 hrs)
Select 4:
- At least three courses must have either an ACG or TAX prefix
- ACG 3361 Cost Accounting I 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- ACG 4651 Auditing 3 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4453 Financial Models 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Actuarial Science - Minor
College of Sciences
Department of Statistics,
Technology Commons II, Room: 212
http://statistics.cos.ucf.edu/
Dr. David Nickerson, david.nickerson@ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

Minor Admission Requirements
- Students need to complete the prerequisite courses.

Minor Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
- Students are expected to have completed some of the following courses as part of their GEP requirement.

Foreign Language Requirements
- No additional courses are required.

Total Semester Hours Required
- 25

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Any course substitutions must be approved by the program coordinator in advance of their being taken.

Aerospace Studies - Minor
College of Engineering and Computer Science
Air Force ROTC, ROTC Trailer, Room: 103
Colonel Todd M. Freece
Phone: 407-823-1247

Minors
Minors

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 16

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Africana Studies - Minor

College of Arts and Humanities
Colbourn Hall, Room: 110
http://www.aas.cah.ucf.edu/
Anthony Major, Director, anthony.major@ucf.edu, 407-823-0026
The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, Theatre and the Sciences.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- AFA 3102 Introduction to Africana Studies: A Multidisciplinary Approach 3 hrs
- AFA 3104 The Black Intellectual Experience 3 hrs
- AFA 3006 The African Diaspora: Theories and Movements 3 hrs

Select 1: 3 hrs
- AFA 4242 Contemporary Issues in Africana Studies 3 hrs
- AFA 4105 Documenting Africana Heritage and Life 3 hrs

Restricted Electives (6 hrs)
- Additional courses may be used only with the prior permission of the program Director.
- Select two courses from one of the following areas of specialization.

General-Interdisciplinary 6 hrs
- Select two from the following
  - AML 3613 Narratives of Slavery or 3 hrs
  - ANT 3319 Anthropology of Diaspora or 3 hrs
  - FIL 3831 Black Cinema or 3 hrs
  - INR 3250 Politics of Pan-Africanism or 3 hrs
  - LAS 4023 African Caribbean Experience or 3 hrs
  - LIT 3192 Caribbean Literature or 3 hrs
  - SOP 3724 Psychology of Prejudice or 3 hrs
  - SYD 3700 Race and Ethnicity or 3 hrs
  - WST 3460 Women, Race and Struggle or 3 hrs
  - POT 4345 Pan-Africanist Thought 3 hrs

Caribbean/Central, South America 6 hrs
- Select two from the following
  - AFA 3955 Study Abroad in Eastern Caribbean or 6 hrs
  - AML 3615 Harlem, Haiti, and Havana or 3 hrs
  - ANT 4340 Caribbean Cultures or 3 hrs
  - FIL 3831 Black Cinema or 3 hrs
  - LAL 3470 History of the Caribbean or 3 hrs

North American 6 hrs
- Select two from the following
  - AFA 3200 African American Music or 3 hrs
  - AFA 3371 Evolution of Hip Hop or 3 hrs
  - AFA 3420 Malcolm X, Black Nationalism, and Internationalism or 3 hrs
  - AMH 3403 History of the South Since 1865 or 3 hrs
  - AMH 3572 Black American History II or 3 hrs
  - AML 3613 Narratives of Slavery or 3 hrs
  - AML 3614 Topics in African-American Literature or 3 hrs
  - AML 3615 Harlem, Haiti, and Havana or 3 hrs
  - ANT 3398 Black/Seminole Relations or 3 hrs
  - FIL 3831 Black Cinema or 3 hrs
  - MUL 2016 Evolution of Jazz or 3 hrs
  - PHP 3781 African-American Philosophy or 3 hrs
  - POS 4622 Politics and Civil Rights or 3 hrs
  - PUP 3314 Minorities in American Politics 3 hrs

African Continental 6 hrs
- Select two from the following
  - AHF 3100 African History to 1870 or 3 hrs
  - AHF 3200 African History Since 1870 or 3 hrs
  - ANT 4352 African Societies and Cultures or 3 hrs
  - ARH 3520 African Art or 3 hrs
  - FIL 3831 Black Cinema or 3 hrs
  - INR 3250 Politics of Pan-Africanism or 3 hrs
  - INR 3253 International Politics of Africa or 3 hrs
  - MUL 2016 Evolution of Jazz or 3 hrs
  - PHI 3790 African Philosophy or 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.
- All minors are required to attend an orientation session at beginning of the first semester after the minor is declared.
- Complete an exit survey and audit check in the graduating semester.

Aging Studies - Minor

College of Health and Public Affairs
School of Social Work,
Health & Public Affairs I, Room: 204
Email: socialwk@ucf.edu
Dr. Denise Gammonley
Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.
Minor Admission Requirements
- None

Minor Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based 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
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs
- Select One:
  - HSA 4941 Internship 3 hrs
  - PSY 3951 Undergraduate Field Work 3 hrs
  - SYP 4941 Internship 3 hrs
- SOW 4510 Field Education 9 hrs
- SOW 4941 Internship 9 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

American Studies - Minor
College of Arts and Humanities
CAH Dean's Office, Room: 190
http://www.cah.ucf.edu/
Lynn Hepner, lynn.hepner@ucf.edu
Phone: 407-823-2251

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- (9 hrs)
  - Literature and Humanities 3 hrs
  - Select 1: 3 hrs
    - AML 3031 American Literature I or 3 hrs
    - AML 4101 American Novel or 3 hrs
    - AML 4261 Literature of the South or 3 hrs
    - AML 3682 Ethnic Literature in America 3 hrs
  - Social Sciences 3 hrs
  - Select 1: 3 hrs
    - POS 3413 The American Presidency or 3 hrs
    - POT 3204 American Political Thought or 3 hrs
    - SYD 3700 Race and Ethnicity or 3 hrs
    - SYP 3630 Popular Culture In Society 3 hrs
  - History 3 hrs
  - Select 1: 3 hrs
    - AMH 3561 Women in American History I or 3 hrs
    - AMH 4110 Colonial America, 1607-1763 or 3 hrs
    - AMH 4130 The Age of the American Revolution, 1763-1789 or 3 hrs
    - AMH 4311 American Culture I or 3 hrs
    - AMH 4313 American Culture II 3 hrs

Restricted Electives (12 hrs)
- 12 additional upper level hours. Select courses not already used from lists above.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 9 hours may be taken in one area.

Anthropology - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- (3 hrs)
  - ANT 2000 General Anthropology 3 hrs
Minors

Restricted Electives (15 hrs)

A. Concentration in General Anthropology 15 hrs
ANT 2410 Archaeology and the Rise of Human Culture 3 hrs
ANT 2410 Cultural Anthropology 3 hrs
ANT 2511 The Human Species 3 hrs
Select additional upper level (3000-5999) Anthropology courses 6 hrs

B. Concentration in Archaeology 15 hrs
ANT 2410 Archaeology and the Rise of Human Culture 3 hrs
Complete at least four of the following courses; 12 hrs
ANT 3106 Archaeology and Popular Culture or 3 hrs
ANT 3115 Archaeological Method and Theory or 3 hrs
ANT 3142 Old World Prehistory or 3 hrs
ANT 3146 Archaeology of Complex Societies or 3 hrs
ANT 3148 Life and Death in Ancient Egypt or 3 hrs
ANT 3152 Indians of the Southwest or 3 hrs
ANT 3158 Florida Archaeology or 3 hrs
ANT 3160 Americas Before Columbia or 3 hrs
ANT 3161 Archaeology of Mexico or 3 hrs
ANT 3163 Mesoamerican Archaeology or 3 hrs
ANT 3164 Ancient Incas or 3 hrs
ANT 3165 Archaeology of South America or 3 hrs
ANT 3169 Maya Archaeology or 3 hrs
ANT 3173 Archaeology of Sex or 3 hrs
ANT 3177 Archaeology of Caribbean Piracy or 3 hrs
ANT 4153 North American Archaeology or 3 hrs
ANT 4180C Seminar in Laboratory Analysis or 3 hrs
1 ANT 4183 Archaeological Sciences or 3 hrs
1 ANT 4184 Mortuary Archaeology or 3 hrs
ANT 4824 Advanced Archaeological Fieldwork or 9 hrs
ANG 5166 Problems in Maya Studies or 3 hrs
ANG 5167 Maya Hieroglyphs or 3 hrs
ANG 5228 Maya Iconography or 3 hrs
ANG 5922 Maya Field Research or 3 hrs

C. Concentration in Physical Anthropology 15 hrs
ANT 2511 The Human Species 3 hrs
Select from the following courses; 12 hrs
ANT 3148 Life and Death in Ancient Egypt or 3 hrs
ANT 3541 Biobehavioral Anthropology or 3 hrs
ANT 3550C Primatology or 3 hrs
ANT 4183 Archaeological Sciences or 3 hrs
1 ANT 4184 Mortuary Archaeology or 3 hrs
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 4560 Anthropological Perspectives on Human Growth or 3 hrs
ANT 4586C Human Origins or 3 hrs
ANG 5742 Problems in Forensic Anthropology or 3 hrs
1 or its graduate equivalent.

D. Concentration in Cultural Anthropology 15 hrs
ANT 2410 Cultural Anthropology 3 hrs
Select from 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 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

Foreign Language Requirements
None

Total Semester Hours Required
18

Other Requirements
No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Anthropology in Multicultural Studies - Minor

Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

This minor develops a student’s understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

Minor Admission Requirements
None

Minor Requirements
Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
Select from:
ANT 2000 General Anthropology or 3 hrs
ANT 2410 Cultural Anthropology or 3 hrs

Restricted Electives (15 hrs)
Select from the following. Substitutions require prior consent of the Anthropology Coordinator.
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 3302 Sex, Gender and Culture or 3 hrs
ANT 3312 Ethnology of North American Indians or 3 hrs
ANT 3319 Anthropology of Diaspora or 3 hrs
ANT 3398 Black/Seminoles Relations or 3 hrs
ANT 3541 Biobehavioral Anthropology or 3 hrs
1 ANT 3610 Language and Culture or 3 hrs
ANT 3701 Applied Anthropology or 3 hrs
ANT 4266 Economic Anthropology: Production, Consumption, and Exchange or 3 hrs
1 ANT 4303 Anthropology of Tourism or 3 hrs

1 or its graduate equivalent.

1 Undergraduate Catalog 2013-2014
Minors

Art History - Minor
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School 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)**
  - **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

Foreign Language Requirements
- None

Total Semester Hours Required
- **18**

Other Requirements
- None

Students must have a grade of C- or better in all courses required for minor.

Prerequisite Courses
- **None**

Required Courses
- **18 hrs**
  - **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
  - **EDF 4467** Learning Theory and Assessment 3 hrs
  - **TSL 4080** Theory and Practice of Teaching ESOL 3 hrs
  - **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
  - **ARE 4351** Teaching Art in the Elementary School 3 hrs
  - **ARE 4352** Teaching Art in the Secondary School 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- **18**

Other Requirements
- None

Students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

Art Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership
http://education.ucf.edu/
Dr. Thomas Brewer, ED 122U, Thomas.Brewer@ucf.edu, 407-823-3714

This minor is not available to Art Education majors. This minor is well-suited for students enrolled in the School of Visual Arts and Design or Interdisciplinary Studies students with a concentration in Art.

Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 SH of co-requisites and course prefixes could be ARE, ART, ARH, or GRA.
- At least 12 hours in the minor must be earned at UCF.
- Students must have a grade of C- or better in all courses required for minor.

Prerequisite Courses
- None

Required Courses
- **18 hrs**
  - **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
  - **EDF 4467** Learning Theory and Assessment 3 hrs
  - **TSL 4080** Theory and Practice of Teaching ESOL 3 hrs
  - **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
  - **ARE 4351** Teaching Art in the Elementary School 3 hrs
  - **ARE 4352** Teaching Art in the Secondary School 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- **18**

Other Requirements
- None

Students must complete 18 SH of co-requisites and course prefixes could be ARE, ART, ARH, or GRA.

Students should see an advisor prior to registering for classes.

Students must have a grade of C- or better in all courses required for minor.

Art Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership
http://education.ucf.edu/
Dr. Thomas Brewer, ED 122U, Thomas.Brewer@ucf.edu, 407-823-3714

This minor is not available to Art Education majors. This minor is well-suited for students enrolled in the School of Visual Arts and Design or Interdisciplinary Studies students with a concentration in Art.

Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 SH of co-requisites and course prefixes could be ARE, ART, ARH, or GRA.
- At least 12 hours in the minor must be earned at UCF.
- Students must have a grade of C- or better in all courses required for minor.

Prerequisite Courses
- None

Required Courses
- **18 hrs**
  - **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
  - **EDF 4467** Learning Theory and Assessment 3 hrs
  - **TSL 4080** Theory and Practice of Teaching ESOL 3 hrs
  - **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
  - **ARE 4351** Teaching Art in the Elementary School 3 hrs
  - **ARE 4352** Teaching Art in the Secondary School 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- **18**

Other Requirements
- None

Students must complete 18 SH of co-requisites and course prefixes could be ARE, ART, ARH, or GRA.

Students should see an advisor prior to registering for classes.

Students must have a grade of C- or better in all courses required for minor.

Art History - Minor
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School 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 unclothod human figures and, in certain studio classes, live nude models.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050  History of Western Art I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051  History of Western Art II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4310  Italian Renaissance Art or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4430  19th Century Art or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4450  20th Century Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Non-Western/Ancient Course Requirement**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3520  African Art or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 3670  20th Century Latin American Art or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4130  Greek Art and Architecture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4150  Roman Art and Architecture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4540  Art of India or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4653  Meso American Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4200  Medieval Art or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4350  Baroque Art or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4800  Theory and Criticism of the Visual Arts or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4871  Women in Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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 minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

**Asian Studies - Minor**

**College of Arts and Humanities**


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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3401  Asian Humanities</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved courses (see department for listing)</td>
<td></td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- One year or the equivalent proficiency examination (0-8 hrs). Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

**Total Semester Hours Required**
- 19

**Other Requirements**
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

**Astronomy - Minor**

**College of Sciences**

**Department of Physics, Physical Sciences Building, Room: 430**

**Email:** physics@ucf.edu

Dr. Humberto Campins

Phone: 407-823-2325

**Minor Admission Requirements**
- The minor is not open to Physics majors with an Astronomy specialization.

**Minor Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002  Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048C  Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>AST 4152  Planetary Geophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3211  Stellar Astrophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3402  Galaxies and Cosmology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 4700  Experimental Methods in Astronomy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- None
## Bioengineering - Minor

### College of Engineering and Computer Science

**Engineering, Room: 107**

[http://www.cecs.ucf.edu/minors/bioengineering](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’s degree in science degree at computer science at UCF.

### Minor Admission Requirements

- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school unweighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

### Minor Requirements

- **None**

### Prerequisite Courses

- **None**

### Required Courses (35 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EGN 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Restricted Electives (6 hrs)

- Students will select either the Engineering Track or Computer Science Track to define their elective choices.

### Engineering Track

- **6 hrs**

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMA 5584</td>
<td>Biomatials or</td>
</tr>
<tr>
<td>EML 5760</td>
<td>Biofluid Mechanics or</td>
</tr>
<tr>
<td>EEE 5272</td>
<td>Biomedical Sensors or</td>
</tr>
<tr>
<td>EES 4111C</td>
<td>Biological Process Control or</td>
</tr>
<tr>
<td>EIN 5549C</td>
<td>Ergonomics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAP 5512</td>
<td>Evolutionary Computation or</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I or</td>
</tr>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods or</td>
</tr>
<tr>
<td>BSC 5418</td>
<td>Tissue Engineering or</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology or</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I or</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology or</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy or</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>Neurobiology or</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
</tr>
</tbody>
</table>

### Computer Science Track

- **6 hrs**

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAP 5512</td>
<td>Evolutionary Computation or</td>
</tr>
<tr>
<td>COT 6417</td>
<td>Algorithms on Strings and Sequences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I or</td>
</tr>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods or</td>
</tr>
<tr>
<td>BSC 5418</td>
<td>Tissue Engineering or</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology or</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I or</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology or</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy or</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>Neurobiology or</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- **None**

### Total Semester Hours Required

- **41**

### Other Requirements

- Open only to engineering and computer science majors.
- A grade of “B” (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

## Biology - Minor

### College of Sciences

**Department of Biology, Biology, Room: 301**

[http://www.cos.ucf.edu/biology](http://www.cos.ucf.edu/biology)

**Email:** biology@ucf.edu

F. 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>or, depending on Chemistry Placement score 6 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 2040</td>
<td>Chemistry Fundamentals IA and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2041</td>
<td>Chemistry Fundamentals IB</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3023</td>
<td>Molecular Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044</td>
<td>Principles of Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4683</td>
<td>Evolutionary Biology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives

- **None**

### Foreign Language Requirements

- **None**

### Total Semester Hours Required

- **41**

### Other Requirements

- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Minors

Biomedical Sciences - Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health & Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bcbinfo@mail.ucf.edu
Dr. Richard Peppler, Interim Director
Phone: 407-823-5932

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (23 hrs)
BSC 2010C  Biology I  4 hrs
MCB 3020C  General Microbiology  5 hrs
PCB 3233L  Immunology Laboratory  1 hr
PCB 3522  Molecular Biology I  3 hrs
PCB 4522  Molecular Biology II  3 hrs
BSC 3403C  Quantitative Biological Methods  4 hrs
Select 1:  3 hrs
PCB 3233  Immunology or
PCB 4280  Molecular Immunology  3 hrs

Restricted Electives (7 hrs)
■ At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 30

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least 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.

Business - Minor
College of Business Administration

Undergraduate Student Services BA2, 101, 407-823-2184

Not available to Business majors.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
BUL 3130  Legal and Ethical Environment of Business  4 hrs
FIN 2100  Personal Finance and Investments  3 hrs
MAN 3025  Management of Organizations  4 hrs
MAR 3023  Marketing  4 hrs
Select 1:  6 hrs
ECO 2013  Principles of Macroeconomics  3 hrs
ECO 2023  Principles of Microeconomics  3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Chemistry - Minor
College of Sciences
Department of Chemistry,
Physical Sciences Building, Room: 255
http://www.cos.ucf.edu/chemistry
Email: chemistry@ucf.edu
Dr. Pedro Patino, pedro.patino@ucf.edu

Minor Admission Requirements
■ The minor is not open to Chemistry majors.

Minor Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "C" (2.0) in lower level courses are not accepted.
■ At least 11 hours used in the minor must be earned at UCF within the department of Chemistry, with a minimum GPA of 2.0.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)
CHM 2045C  Chemistry Fundamentals I  4 hrs
- or 6 hrs
CHM 2040  Chemistry Fundamentals IA and
CHM 2041  Chemistry Fundamentals IB
- and
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 3580C  Forensic Analysis of Controlled Substances  4 hrs
CHM 3411L  Physical Chemistry Laboratory  2 hrs
CHM 3215L  Organic Laboratory Techniques II  2 hrs
CHM 4130  Advanced Analytical Laboratory Technique  3 hrs
CHM 5451C  Techniques in Polymer Science  3 hrs

Group II:
BCH 4053  Biochemistry I  3 hrs
BCH 4054  Biochemistry II  3 hrs
CHS 4615  Environmental Chemistry  3 hrs
CHM 3410  Physical Chemistry I  4 hrs
CHM 3411  Physical Chemistry II  3 hrs
CHM 3422  Applied Physical Chemistry  3 hrs
Minors

Cognitive Sciences - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu
Phone: 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive sciences, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements
■ None
Minor Requirements
■ None
Prerequisite Courses
■ None
Required Courses (15 hrs)
■ None
Foundation Courses
■ None
Select from at least 4 subject areas.
Neuroscience 3 hrs
PSB 3002 Psychological Psychology or 3 hrs
PSB 4240C Neuropsychology or 4 hrs
ZOO 3744 Neurobiology 3 hrs
Philosophy 3 hrs
PHI 3320 Philosophy of Mind or 3 hrs
PHI 3323 Minds and Machines: Philosophy of Science or 3 hrs
PHI 3451 Philosophy of Psychology or 3 hrs
PHI 4341 Ways of Knowing or 3 hrs
PHI 4400 Philosophy of Science or 3 hrs
PHI 4935 Topics in Philosophy of Mind or 3 hrs
Psychology 3 hrs
EXP 3604C Cognitive Psychology or 4 hrs
EXP 4507C Advanced Human Memory and Cognition 3 hrs
Computer Science and Information Technology 3 hrs
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 3 hrs
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
EXP 3640 Psychology of Language 3 hrs
Restricted Electives (6 hrs)
Select 2: 6 hrs
ANT 3541 Biobehavioral Anthropology or 3 hrs
ANT 3550C Primatology or 3 hrs
ANT 3610 Language and Culture or 3 hrs
ANT 4586C 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

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
■ 2.5 GPA
Minor Requirements
■ None
Prerequisite Courses
■ None
Required Courses (15 hrs)
ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
PET 3765 Coaching Theory 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4763 Coaching Methods And Principles 3 hrs
SPM 3204 Sports and Ethics 3 hrs
Select 1: 3 hrs
PEO 3624 Coaching Basketball or 3 hrs
PEO 3644 Coaching Football or 3 hrs
PEO 3324 Coaching Volleyball 3 hrs
Restricted Electives
■ None
Foreign Language Requirements
■ None
Total Semester Hours Required
■ 28
Other Requirements
■ An overall GPA of 2.5 is required to satisfy the minor.
■ No grades below “C” (2.0) and no “S” grades will be accepted.
■ At least 12 hours used in the minor must be earned at UCF.
■ No TSD or Military credit may be used.
■ Internship or Independent Study credit cannot be used towards the minor.

Patty Lanier, Patty.Lanier@ucf.edu, 407-823-0623

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
■ None
Minor Requirements
■ None
Prerequisite Courses
■ None
Required Courses (15 hrs)
ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
PET 3765 Coaching Theory 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4763 Coaching Methods And Principles 3 hrs
SPM 3204 Sports and Ethics 3 hrs
Select 1: 3 hrs
PEO 3624 Coaching Basketball or 3 hrs
PEO 3644 Coaching Football or 3 hrs
PEO 3324 Coaching Volleyball 3 hrs
Restrictd Electives
■ None
Foreign Language Requirements
■ None
Total Semester Hours Required
■ 28
Other Requirements
■ An overall GPA of 2.5 is required to satisfy the minor.
■ No grades below “C” (2.0) and no “S” grades will be accepted.
■ At least 12 hours used in the minor must be earned at UCF.
■ No TSD or Military credit may be used.
■ Internship or Independent Study credit cannot be used towards the minor.

Patty Lanier, Patty.Lanier@ucf.edu, 407-823-0623
Minors

CAP 5512  Evolutionary Computation or  3 hrs
COP 4520  Concepts of Parallel and Distributed  3 hrs
EXP 3204C  Perception or  4 hrs
LIN 4711  Language Analysis or  3 hrs
LIN 4711L  Language Analysis Lab or  1 hr
MAP 4103  Mathematical Modeling I or  3 hrs
PHI 2101  Formal Logic I or  3 hrs
PHI 2108  Critical Thinking or  3 hrs
PHI 3626  Advanced Ethics in Science and Technology or  3 hrs
PHI 4321  Philosophies of Embodiment: Mind/Body/Self or  3 hrs
PHI 4500  Metaphysics or  3 hrs
PSY 4025  The Psychology of Art or  3 hrs
PSY 3213C  Research Methods in Psychology  5 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ At least 19 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

Communication Sciences and Disorders - Minor
College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health & Public Affairs I, Room: 101
http://www.cohpa.ucf.edu/comdis/
Email: csdundergraduate@ucf.edu
TBD
Phone: 407-823-4798

Licensed Speech-Language Pathology and Audiology Assistant:
This state license may be obtained by completing the minor. This minor is not available to CSD Majors or those seeking a Language Development and Disorders Certificate.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses  (24 hrs)
SPA 3471  Communication Disorders in Literature and Media  3 hrs
SPA 3112  Basic Phonetics  3 hrs
SPA 3112L  Basic Phonetics Lab  1 hr
LIN 3716  Language Development  3 hrs
LIN 3718L  Language Development Lab  2 hrs
SPA 3101  Physiological Bases of Speech and Hearing  3 hrs
SPA 4032  Audiology  3 hrs
SPA 4400  Language Disorders Across the Life Span  3 hrs
SPA 4476  Speech Disorders Across the Lifespan  3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 24

Community Arts - PAVE - Minor
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Phone: 407-823-2676

Minor Admission Requirements
■ None

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 School director.

Prerequisite Courses
■ None

Required Courses
■ None

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
■ No credit by exam (TSD, Military credit) may be used toward the minor.

Computer Science - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,
Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements
■ Not open to Computer Engineering, Computer Science or Information Technology majors.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses  (18 hrs)
COP 3223  Introduction to Programming with C  3 hrs
COP 3330  Object Oriented Programming  3 hrs
COP 3502C  Computer Science I  3 hrs
COP 3503C  Computer Science II  3 hrs
CDA 3103  Computer Logic and Organization  3 hrs
Minors

Select 1: 3 hrs
- COT 3100C Introduction to Discrete Structures or 3 hrs
- MAD 2104 Foundations of Discrete Math 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Crime, Law, and Deviance - Minor

College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- 6 hrs
  - SYP 3520 Criminology 3 hrs

Required: Complete one of the following: 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives
- 12 hrs
  - Select from the following:
    - SYP 3510 Sociology of Deviant Behavior 3 hrs
    - SYP 3511 Sociology of Murder 3 hrs
    - SYP 3530 Juvenile Delinquency 3 hrs
    - SYP 3540 Sociology of Law 3 hrs
    - SYP 3562 Patterns of Domestic Violence in Society 3 hrs
    - SYP 4514 Patterns of Violence in Society 3 hrs
    - SYP 4521 Crime Victims in Society 3 hrs
    - SYP 4536 Gangs and Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Criminal Justice - Minor

College of Health and Public Affairs
Department of Criminal Justice,
Health & Public Affairs I, Room: 311
Email: cjadvise@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

Required: Complete one of the following: 3 hrs
- CJL 3510 Prosecution and Adjudication or 3 hrs
- CJC 3010 Corrections and Penology or 3 hrs
- CJE 4014 Police and Society 3 hrs

Restrict Electives
- 6 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 an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Dance - Minor

College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: 210A
http://theatre.cah.ucf.edu/
Earl Weaver, Earl.Weaver@ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful audition - contact department for audition dates.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- 11 hrs
  - DAN 3134 Dance History I 3 hrs
  - DAA 3612 Dance Improvisation/Composition I 3 hrs
  - DAA 2100C Modern Dance I 2 hrs
  - DAA 2200C Ballet I 2 hrs
  - DAA 3684 Dance Performance 1 hr

Restricted Electives
- 7 hrs
  - DAA 2570C Jazz Dance I 2 hrs
  - DAA 2571C Jazz Dance II 2 hrs
  - DAA 2520C Tap Dance I 2 hrs
  - DAA 2521C Tap Dance II 2 hrs
Minors

DAA 3524C Tap Dance III 2 hrs
DAA 2201C Ballet II 2 hrs
DAA 3208C Ballet III 2 hrs
DAA 2101C Modern Dance II 2 hrs
DAA 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
■ None

Digital Media - Minor
College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu/ Email: svadadvising@ucf.edu
Phone: 407-823-2676

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
 DIG 2000 Introduction to Digital Media 3 hrs
 DIG 2030C Digital Video Fundamentals 3 hrs
 DIG 2109C Digital Imaging Fundamentals 3 hrs
 DIG 2500C Fundamentals of Interactive Design 3 hrs

Restricted Electives (6 hrs)
■ Select two courses:
■ Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.
 DIG 2000 Introduction to Digital Media 3 hrs
 DIG 2030C Digital Video Fundamentals 3 hrs
 DIG 2109C Digital Imaging Fundamentals 3 hrs
 DIG 2500C Fundamentals of Interactive Design 3 hrs
 DIG 3716C Internet Interaction 3 hrs
 DIG 3811 User-Centered Design 3 hrs
 DIG 4630C Media Business Practices 3 hrs
 DIG 4713 Game Design 3 hrs
 DIG 4780C Modeling for Realtime Systems 3 hrs
 FIL 4040 Animation Film History for Non Film Majors 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ None
**Diplomacy - Minor**

**College of Sciences**

**College of Arts and Humanities**

**Department of Political Science,**
Howard Phillips Hall, Room: 302

[http://politicalscience.cos.ucf.edu](http://politicalscience.cos.ucf.edu)

**Department of History,** Colbourn Hall, Room: 551

[http://history.cah.ucf.edu/](http://history.cah.ucf.edu/)

Dr. R. Handberg, 407-823-2608
Dr. J. Sacher, 407-823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this minor will gain experience in diplomatic history, concepts, theories, methods, protocol and practice.

**Admission Requirements**

- None

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the participating departments.

**Prerequisite Courses**

- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

**Required Courses** (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 4513</td>
<td>United States as a Great Power: 1945-Present</td>
<td>3</td>
</tr>
<tr>
<td>INR 4030</td>
<td>Diplomacy</td>
<td>3</td>
</tr>
<tr>
<td>INR 4102</td>
<td>American Foreign Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

**Restricted Electives** (9 hrs)

- Select from the following:
  - AMH 4512 US Diplomatic History: 1914-1945 3 hrs
  - EUH 3242 Modern Europe and the First World War 3 hrs
  - EUH 3281 Second World War and Rebirth of Europe 3 hrs
  - EUH 4574 History of Russia: 1801-1917 3 hrs
  - EUH 4576 History of Russia in the 20th Century 3 hrs
  - EUH 4620 European Great Powers: 1815-1914 3 hrs
  - EUH 4663 History of Communism in Europe 3 hrs
  - INR 4054 Global Politics of Energy 3 hrs
  - INR 4074 Immigration Policy 3 hrs
  - INR 4075 Human Rights Policy 3 hrs
  - INR 4076 Global Drug Policy 3 hrs
  - INR 4104 Topics and Cases in American Foreign Policy 3 hrs
  - INR 4114 American Security Policy 3 hrs
  - INR 4351 International Environmental Law 3 hrs
  - INR 4401 International Law 3 hrs
  - INR 4502 International Organizations 3 hrs
  - INR 4603 International Relations Theory 3 hrs
  - INR 4714 Politics of International Trade Policy 3 hrs
  - POT 4314 Contemporary Democratic Theory 3 hrs
  - POT 4632 Religion and Politics 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.
- Students majoring in history, international and global studies, or political science can take no more than 3 hrs of Restricted Electives in their major department.

---

**Diversity and Social Inequality - Minor**

**College of Sciences**

**Department of Sociology,**
Howard Phillips Hall, Room: 403

[http://sociology.ucf.edu](http://sociology.ucf.edu)

Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilities the understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields.

**Minor Admission Requirements**

- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

**Minor Requirements**

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses** (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 3530</td>
<td>Social Power and Inequality</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required: Complete one of the following:** (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SYG 4100</td>
<td>Family Trends</td>
<td>3</td>
</tr>
<tr>
<td>SYG 4200</td>
<td>Religion in Society</td>
<td>3</td>
</tr>
<tr>
<td>SYD 4810</td>
<td>Women in Contemporary Society</td>
<td>3</td>
</tr>
<tr>
<td>SYD 4813</td>
<td>Women, Law and Social Change</td>
<td>3</td>
</tr>
<tr>
<td>SYP 4454</td>
<td>Global Inequality and Society</td>
<td>3</td>
</tr>
<tr>
<td>SYP 4732</td>
<td>Minority Aging</td>
<td>3</td>
</tr>
</tbody>
</table>

**Restricted Electives** (12 hrs)

- Select from the following:
  - SYD 3410 Urban Society 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs
  - SYD 3800 Sex and Gender in Society 3 hrs
  - SYO 4100 Family Trends 3 hrs
  - SYO 4200 Religion in Society 3 hrs
  - SYD 4810 Women in Contemporary Society 3 hrs
  - SYD 4813 Women, Law and Social Change 3 hrs
  - SYP 4454 Global Inequality and Society 3 hrs
  - SYP 4732 Minority Aging 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

**Early Childhood Development and Education - Minor**

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership,**

**Education Building,** Room: 209

[http://education.ucf.edu/ece/](http://education.ucf.edu/ece/)

Email: ece@ucf.edu

Dr. Judy Levin, ED 122L, judith.levin@ucf.edu

Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood
## Minors

Development and Education major and does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education and development or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

### Minor Admission Requirements
- Completion of an A.A. degree from a Florida public post secondary institution.
- A minimum overall GPA of 2.75.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

### Minor Requirements
- Must maintain a minimum overall MINOR GPA of 2.75.
- At least 12 hours used in the minor must be earned at UCF.
- Once the Early Childhood Development and Education Minor has been declared and approved, Early Childhood Development and Education Minor students must schedule an appointment with their program advisor listed on their ECDE Minor DARS Audit.
- NOTE: Completion of the Early Childhood Development and Education Minor does not complete the requirements for certification in Early Childhood Development.

### Prerequisite Courses
- None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4661 Early Childhood Education Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3310 Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4604 Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 3700 Social and Emotional Development of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450 Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4303 Planning Creative Activities in Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4207 Assessment and Evaluation of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4268 Curriculum Activities in Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4402 Cultural and Family Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4414 Parent-Child Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4744 Child Life: Psychosocial Care of Children in Health Settings</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Foreign Language Requirements
- None

### Economic Policy - Minor

The Economics Policy minor is intended to provide a broad introduction to economic policy issues related to national and international institutions and events. This minor is well-suited for students in Interdisciplinary Studies, International and Global Studies, Journalism, Legal Studies, Political Science, Public Administration, Social Sciences, and Sociology.

### Minor Admission Requirements
- None

### Economic Policy - Minor

**College of Business Administration**

**Department of Economics, Business Administration II, Room: 305**

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu

David Scrogin, BA2 302U, 407-823-4129

Nora Underwood, BA2 302N, 407-823-1403

Phone: 407-823-3266

(for both Business Majors and non-Business Majors)

The Economics Minor is designed to complement a broad range of business and non-business majors. The Minor requires a core of courses in economic theory and applications along with a selection of electives that can be tailored to the student’s personal interests. This Minor is highly recommended for students considering graduate school in business, economics, law or public administration. Not open to students in the Economics (BA) or Economics (BSBA). Not open to students in the Mathematical Economics concentration of the Mathematics (BS) major.

### Minor Admission Requirements
- None
Minors

Required Courses
- EDF 4503 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives
- Select one of the following:
  - MAE 4634 Programs in Teaching of Mathematics 3 hrs
  - SSE 4936 Programs in Teaching Social Science Composition 3 hrs
  - LAE 4342 Programs in Teaching Language and Composition 3 hrs
  - LAE 4464 Survey of Adolescent Literature 3 hrs
  - SCE 4361 Programs in Teaching Science 3 hrs
  - PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Education - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership,

Education Building, Room: 220B
http://education.ucf.edu/edinmin

Dr. W. Scott Wise, ED 220B, wwise@ucf.edu
Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education and Human Performance a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Restricted Electives
- Upper Division Restricted Electives 9 hrs
- Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.
- Note: ECO 3401 (or equivalents) is a pre-requisite for the following:
  - ECO 3101 Intermediate Microeconomics 3 hrs
  - ECO 3203 Intermediate Macroeconomics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Emergency Management and Homeland Security - Minor

College of Health and Public Affairs
School of Public Administration,
Health & Public Affairs II, Room: 238
Email: pa/ba/bs@ucf.edu
Dr. Claire Knox, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements
- None

Minor Requirements
- None

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
**Minors**

**Energy and Sustainability - Minor**

**College of Engineering and Computer Science**

**Engineering, Room: 107**

**CECS Academic Affairs**

[http://www.cecs.ucf.edu](http://www.cecs.ucf.edu)

Paul Edlen, 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**

- **(15 hrs)**
  - PAD 4822 Intergovernmental Administration 3 hrs
  - PAD 4392 Emergency Management and Homeland Security 3 hrs
  - PAD 4712 Information Systems for Public Managers and Planners 3 hrs
  - PAD 4395 Disaster Response and Recovery 3 hrs
  - PAD 4390 Hazard Mitigation and Preparedness 3 hrs

**Restricted Electives**

- **(3 hrs)**
  - Select 1:
    - DSC 4012 Terrorism or 3 hrs
    - DSC 4013 Homeland Security and Criminal Justice 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- Grades below "C" (2.0) or "S" grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- 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.

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**Water, Environment and Waste Management**

**Engineering Leadership - Minor**

**College of Engineering and Computer Science**

**Department of Industrial Engineering and Management Systems, Engineering II, Room: 312**

[http://www.iems.ucf.edu](http://www.iems.ucf.edu)

Dr. Timothy Kotnour

Phone: 407-823-5645

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering profession.

**Minor Admission Requirements**

- Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant’s resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self development issues they would like to explore in the program.
- Only open to CECS undergraduate students
- A minimum GPA of 3.0 is required for acceptance into this minor degree program

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- **(18 hrs)**
  - EEL 4216 Fundamentals of Electric Power Systems or 3 hrs
  - EML 4411 Mechanical Power Systems or 3 hrs
  - EML 4454 Turbines for Sustainable Power or 3 hrs
  - EML 4600 HVAC Systems Engineering or 3 hrs
  - EML 4602 Applied HVAC Engineering 3 hrs
  - ENV 3001 Introduction to Environmental Engineering 3 hrs or
  - ENV 4120 Air Pollution Control or 3 hrs
  - ENV 4341 Solid & Hazardous Waste Management or 3 hrs
  - ENV 4561 Environmental Engineering Operations & Processes II 3 hrs

**Business and Public Policy**

- ECP 3302 Economics and the Environment or 3 hrs
- ECP 4303 Environmental and Natural Resource Economics or 3 hrs
- REE 3614 Environmental Issues for Real Estate 3 hrs

**Social and Ethical Dimensions**

- INR 4350 Global Environmental Politics or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- PAD 4351 Issues in Environmental Program Management or 3 hrs
- PHI 3640 Environmental Ethics or 3 hrs
- PLA 4554 Environmental Law or 3 hrs
- PUP 3203 Environmental Politics or 3 hrs
- PUP 4209 Urban Environmental Policy or 3 hrs
- SYD 4510 Environment and Society 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum grade of "C" (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete the minor.
### English - Creative Writing - Minor

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**  

**Email:** english@ucf.edu

Dr. Patrick Murphy, 407-823-5596

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (6 hrs)
- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

**Restricted Electives** (6 hrs)

Select one course after completing CRW 3013
- CRW 3120 Fiction Writing Workshop 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- CRW 3310 Poetry Writing Workshop 3 hrs
- CRW 3610 Writing Scripts 3 hrs

Select one course
- CRW 4122 Advanced Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs

Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

**Restricted Upper Division Electives**—select three courses 9 hrs
- CRW 3311 Structure of Verse 3 hrs
- CRW 3540 Literary Magazines 3 hrs
- CRW 4114 History of Prose Style 3 hrs
- CRW 4724 The Florida Review 3 hrs
- CRW 4014 The Writing Life 3 hrs
- ENC 3310 Magazine Writing I 3 hrs
- CRW 4722 Editing for Creative Writers 3 hrs
- CRW 6806C Teaching Creative Writing 3 hrs
- Any other CRW elective or Special Topics course 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required** 18

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### English - Linguistics - Minor

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**  

**Email:** english@ucf.edu

Dr. Patrick Murphy, 407-823-5596

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (9 hrs)
- LIN 3010 Principles of Linguistics 3 hrs
- LIN 4105 History of the English Language 3 hrs
- LIN 4680 Modern English Grammar 3 hrs

** Restricted Electives** (9 hrs)
- LIN 4643 Cross Cultural Communication 3 hrs
- LIN 4660 Linguistics and Literature 3 hrs
- LIN 4801 Language and Meaning 3 hrs
- LIN 5137 Linguistics 3 hrs
- ANT 3610 Language and Culture 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 4221 Philosophy of Language 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- Or any course approved by the Linguistics Committee 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required** 18

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### English - Literature - Minor

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**  

**Email:** english@ucf.edu

Dr. Patrick Murphy, 407-823-5596

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (3 hrs)
- 1 ENG 3014 Theories and Techniques of Literature Study
- 1 PR for all 4000 level AML, ENG, ENL, and LIT courses

**Restricted Electives** (18 hrs)
- English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

**Foreign Language Requirements**
- None

**Total Semester Hours Required** 21
### Minors

**Other Requirements**
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**English - Technical Communication - Minor**

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**


**Email:** english@ucf.edu

Dr. Patrick Murphy, 407-823-5596

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 4215</td>
<td>Technical Publication and Project Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4218</td>
<td>The Visual in Technical Documentation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4293</td>
<td>Documentation and the Collaborative Process</td>
<td>3 hrs</td>
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<tr>
<td>ENC 4294</td>
<td>Documentation and Client-Based Collaboration</td>
<td>3 hrs</td>
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<tr>
<td>ENC 4280</td>
<td>Technical Writing Style</td>
<td>3 hrs</td>
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<tr>
<td>ENC 4241</td>
<td>Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Students completing the minor may intern with a Central Florida corporation**

**Restrictive Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Situation 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 - Minor**

**College of Business Administration**

**Department of Management, Business Administration I, Room: 309**


**Open to Business and Non-Business Students**

Dr. Cameron Ford, cford@ucf.edu

Phone: 407-823-5569

The entrepreneurship minor provides students from all academic disciplines with entrepreneurial skills needed to create successful startup ventures, innovative corporate initiatives, and impactful non-profit organizations. This minor serves as a great complement to majors in all disciplines by preparing students to recognize opportunities, organize resources, and produce results. These capabilities promote leadership potential and professional success in any career, and are sought after by small and large organizations that need employees capable of creating and managing innovative new initiatives.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GEB 3113</td>
<td>Creativity and Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4110</td>
<td>Business Plan Preparation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>New Venture Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4802</td>
<td>New Venture and Small Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3765</td>
<td>Entrepreneurial Marketing</td>
<td>3 hrs</td>
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</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BUL 4540</td>
<td>Employment Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4541C</td>
<td>Engineering Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4152</td>
<td>Tech Innovation &amp; Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4435</td>
<td>Moral Foundations of Business</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### Minors

#### Environmental Studies - Minor

**Office of Undergraduate Studies**  
**Office of Interdisciplinary Studies,**  
**Classroom I, Room: 302**  
[http://www.is.ucf.edu](http://www.is.ucf.edu)  
**Email:** is@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

**Restricted Electives**  
- (18 hrs)  
  - Science & Environmental Electives: 9 hrs  
    - BOT 3152C: Local Flora 3 hrs  
    - BOT 3802: Ethnobotany 3 hrs  
    - BOT 4303C: Plant Kingdom 5 hrs  
    - BOT 4713C: Plant Taxonomy 5 hrs  
    - BSC 4312C: Advanced Marine Biology 4 hrs  
    - OCE 3008: Oceanography 3 hrs  
    - PCB 3044: Principles of Ecology 3 hrs  
    - PCB 3442: Aquatic Ecology 3 hrs  
    - PCB 4683: Evolutionary Biology 4 hrs  
    - CHM 3120: Analytical Chemistry 3 hrs  
    - HSC 4500: Epidemiology 3 hrs  
    - ENV 3001: Introduction to Environmental Engineering 3 hrs  
    - ENV 4341: Solid & Hazardous Waste Management 3 hrs  
    - PCB 3063: Genetics 3 hrs  
    - PCB 3044L: Principles of Ecology Laboratory 1 hr

**Social & Humanities Electives**  
- 9 hrs  
  - INR 4351: International Environmental Law 3 hrs  
  - PUP 3203: Environmental Politics 3 hrs  
  - PUP 4503: Government and Science 3 hrs  
  - PLA 3303: Environmental Law 3 hrs  
  - PCB 4683: Evolutionary Biology 3 hrs  
  - PCB 4683: Evolutionary Biology 3 hrs  
  - PCB 4683: Evolutionary Biology 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.
- 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.
- 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.

### European Studies - Minor

**College of Sciences**  
**Department of Political Science,**  
**Howard Phillips Hall, Room: 302**  
[http://www.cos.ucf.edu/politicalscience](http://www.cos.ucf.edu/politicalscience)  
**Email:** politics@mail.ucf.edu  
**Phone:** 407-823-2608

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the Director of European Studies.

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- A grade of “C” (2.0) or better is required for all courses counting towards the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisers to be used toward the minor.
- Internship, independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisers.

**Prerequisite Courses**  
- Students must satisfy each course’s prerequisites before enrolling in the class.
Minors

Required Courses (6 hrs)
- CPO 4101 Politics of the European Union 3 hrs
- LIT 3082 Continental European Fiction Since 1900 3 hrs

Restricted Electives (15 hrs)
- Course substitutions are subject to prior approval by the director.

Literature, Film, and Culture:
Select from the following courses: 3 hrs
- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.
  - ENL 2022 English Literature II or 3 hrs
  - ENL 4101 English Novel or 3 hrs
  - ENL 4240 English Romantic Writers or 3 hrs
  - ENL 4262 Nineteenth Century British Prose or 3 hrs
  - ENL 4273 Modern British Literature or 3 hrs
  - FIL 3620 Italian Film or 3 hrs
  - FIL 3822 French Film or 3 hrs
  - FIL 3823 German Film or 3 hrs
  - FIL 3824 Italian Neo-Realist Cinema or 3 hrs
  - FRE 4500 French Civilization and Culture or 3 hrs
  - FRT 3562 French Contemporary Pop Culture or 3 hrs
  - FRW 3370 Short Stories of 18th, 19th and 20th Centuries or 3 hrs
  - FRW 4281 20th Century French Novels or 3 hrs
  - FRW 4324 20th Century French Drama or 3 hrs
  - FRW 4552 Nineteenth Century French Literature or 3 hrs
  - GER 3102 Germany - Past to Present or 3 hrs
  - GER 4520 Modern Germany or 3 hrs
  - GEW 4482 German Post-War Literature or 3 hrs
  - GEW 4488 German Children's Literature or 3 hrs
  - GEW 4531 The Age of Goethe and Schiller or 3 hrs
  - ITT 4956 Study Abroad: Modern and Contemporary Italian Culture or 3 hrs
  - ITW 3101 Survey of Italian Literature II or 3 hrs
  - JST 3751 Literature of the Holocaust or 3 hrs
  - LIT 4184 Irish Literature or 3 hrs
  - SPW 3101 Survey of Spanish Literature II or 3 hrs
  - SPW 3370 Spanish Short Story or 3 hrs
  - SPW 4272 20th Century Spanish Novel or 3 hrs
  - SPW 4322 Contemporary Iberian Theatre or 3 hrs
  - SPW 4450 Spanish Literary Theory or 3 hrs
  - SPW 4460 Nineteenth Century Spanish Literature or 3 hrs
  - SPW 4720 The Generation of 1898 or 3 hrs

History:
Select from the following courses: 6 hrs
- EUH 3235 Romanticism and Realism or 3 hrs
- EUH 3242 Modern Europe and the First World War or 3 hrs
- EUH 3281 Second World War and Rebirth of Europe or 3 hrs
- EUH 3431 History of Modern Italy or 3 hrs
- EUH 3451 History of Modern France or 3 hrs
- EUH 4284 Fascism and Nazism in the Interwar Europe or 3 hrs
- EUH 4400 The History of Ancient Greece or 3 hrs
- EUH 4465 Hitler's Third Reich or 3 hrs
- EUH 4501 English History: 1485-1815 or 3 hrs
- EUH 4502 British History: 1815-Present or 3 hrs
- EUH 4574 History of Russia: 1801-1917 or 3 hrs
- EUH 4576 History of Russia in the 20th Century or 3 hrs
- EUH 4582 20th Century Russian Diplomatic History or 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs
- EUH 4663 History of Communism in Europe or 3 hrs
- GER 4510 Life and Culture in Nazi Germany or 3 hrs
- JST 3701 History of the Holocaust or 3 hrs

Political Science or Economics:
Select from the following courses: 3 hrs
- CPO 3104 Politics of Western Europe or 3 hrs
- CPO 3614 Politics of Eastern Europe or 3 hrs
- CPO 4074 Political Economy or 3 hrs
- CPO 4123 Government and Politics of Great Britain or 3 hrs
- CPO 4445 Comparative Political Parties or 3 hrs
- CPO 4643 Government and Politics of Russia or 3 hrs
- CPO 4754 Comparative Political Institutions or 3 hrs
- ECO 3703 International Microeconomics or 3 hrs
- ECO 4303 History of Economic Thought or 3 hrs
- INR 4035 International Political Economy or 3 hrs

Other areas:
- Courses to be taken from any of the above electives: Foreign Language Across the Curriculum (FLAC) courses linked to one of the above electives, or one of the following:

Select from the following courses: 3 hrs
- ARH 4430 19th Century Art or 3 hrs
- ARH 4450 20th Century Art or 3 hrs
- PHM 3041 Russian Philosophy or 3 hrs
- PHM 3510 Marx and Nietzsche or 3 hrs
- PHP 3783 Modernity as a Philosophical Problem or 3 hrs
- PHP 3786 Existentialism or 3 hrs
- PHP 4782 Phenomenology or 3 hrs

Foreign Language Requirements
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (military credit, TSD) may be used toward the minor.

Event Management - Minor
Rosen College of Hospitality Management
Department of Tourism Event and Attractions
9907 Universal Blvd. Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: Hospitality@ucf.edu
Phone: 407-903-8000

The Event Management Minor is open to any degree seeking student in the College of Arts and Humanities. This minor is well suited and intended for students who have interest in the field of the performing arts (Music, Arts, and Theater). The Event Management minor is geared to expose and increase students’ knowledge base of the growing hospitality and event industries. This program teaches students how to strategically promote various types of events and how to identify potential risk while planning and executing an event(s). Students will be able to individualize their minor by the option to choose two restricted event management electives focused toward their career interest.

Admission Requirements
- Major within the College of Arts & Humanities.

Minor Requirements
- None

Prerequisite Courses
- Students who have not completed the prerequisites should contact the Instructor for consent to enroll.

Required Courses (12 hrs)
- 1 HFT 2750 The Event Industry 3 hrs
- HFT 3373 Event Design, Production & Technology 3 hrs
- HFT 3512 Event Promotion 3 hrs
- HFT 3670 Hospitality and Event Risk Management 3 hrs
- 1 HFT 2750 is the prerequisite course for all upper level Event Management courses.

Restricted Electives (6 hrs)
Select 2: 6 hrs
- HFT 3519 Event Services or 3 hrs
- HFT 3523 Event Sales or 3 hrs
- HFT 3741 Meeting Management or 3 hrs
- HFT 3798 Fairs and Festivals or 3 hrs
- HFT 4795 Entertainment Arts and Events or 3 hrs
- HFT 4796 International Events or 3 hrs
- 1 Prerequisite is HFT 3519.
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.5 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the Rosen College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- Final Exams will be given during Final Exam week only.
- No substitutions are allowed for any of the required minor courses.

Exceptional Student Education - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://www.education.ucf.edu
Dr. Maria Reyes-MacPherson, Program Coordinator, maria.reyes-macpherson@ucf.edu, 407-823-4164

The Exceptional Student Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor does not lead to teacher certification nor admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student’s major program.

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a “C” (2.0) in all minor courses.
- Students must choose an elementary, early childhood or secondary focus.

Prerequisite Courses
- None

Required Courses (12 hrs)
- EEX 4601 Introduction to Behavior Management 3 hrs
- EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
- EEX 3221 Assessment of Exceptional Students 3 hrs
- EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Restricted Electives (6 hrs)
- Choose Early Childhood Restricted Electives OR Elementary Restricted Electives OR Secondary Restricted Electives

Early Childhood Restricted Electives
- EEX 3450 Young Children With Special Needs 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

Elementary Restricted Electives
- EEX 4070 Teaching Exceptional Students 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

Secondary Restricted Electives
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Sophomore standing or completion of an AA degree from a Florida public post secondary institution.
- A minimum GPA of 2.5 of all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105C or higher, is required.
- No credit by exam (CLEP, Military credit) may be used.
- No credit by exam (TSD, Military credit) may be used.
- Transfer credits from other universities will be considered.
- Note: Completion of the minor does not complete the requirements for certification in Exceptional Student Education nor does it constitute admission in the College of Education and Human Performance.

Film - Cinema Studies - Minor
College of Arts and Humanities
Nicholson School of Communication, Room: 121
http://film.cah.ucf.edu/
Email: film@ucf.edu
S. Schlow, 407-823-2845
Phone: 407-823-4285

Minor Admission Requirements
- Completion of a Minor Declaration form

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 2423 Foundations of Production 3 hrs

Select 1:
- FIL 1007 Foundations of Story or 3 hrs
- FIL 1000 Cinema Survey 3 hrs

Restricted Electives (6 hrs)
- Choose Two
- FIL 3880C Images of Women in Film 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3820 Italian Film 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3824 Italian Neo-Realist Cinema 3 hrs
- FIL 3822 French Film 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 4647 Film Production Management 3 hrs
- FIL 3847 Latin American Cinema 3 hrs
- FIL 3363C Film Documentary 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.
Finance - Minor
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to
finance majors.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3</td>
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Required Courses

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments</td>
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<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>4</td>
</tr>
<tr>
<td>FIN 3303</td>
<td>Financial Markets</td>
<td>3</td>
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Restricted Electives

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<th>Hours</th>
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<tbody>
<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance or</td>
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<tr>
<td>FIN 3461</td>
<td>Financial Statement Analysis or</td>
<td>3</td>
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<tr>
<td>FIN 3504</td>
<td>Investment Analysis or</td>
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<tr>
<td>FIN 4324</td>
<td>Commercial Bank Management or</td>
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<td>FIN 4453</td>
<td>Financial Models or</td>
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<tr>
<td>FIN 4514</td>
<td>Portfolio Analysis and Management or</td>
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</tr>
<tr>
<td>FIN 4533</td>
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</tr>
<tr>
<td>FIN 4604</td>
<td>International Financial Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
■ A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Finance - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mil.cah.ucf.edu/
Email: flfacult@ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4312C</td>
<td>Kinesiology/Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>PET 4550C</td>
<td>Assessment and Evaluation in Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td>APK 4110C</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PET 3361</td>
<td>Nutrition and Metabolism in Sport and Exercise Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3771</td>
<td>Strength and Conditioning Concepts or</td>
<td>3</td>
</tr>
<tr>
<td>PET 3768</td>
<td>Group Exercise Instruction or</td>
<td>3</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic</td>
<td>3</td>
</tr>
<tr>
<td>PET 3125</td>
<td>Fitness and Weight Management or</td>
<td>3</td>
</tr>
<tr>
<td>PET 4552</td>
<td>Exercise Prescription for Special Populations</td>
<td>3</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

French - Minor
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
Patty Lanier, PattyLanier@ucf.edu, 407-823-0623

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to seek industry certification in the Sport and Fitness Profession. This Minor is available for students in the 2001 catalog year and beyond.

Minor Admission Requirements
■ 2.5 GPA

Minor Requirements
■ No grades below “C” (2.0) and no “S” grades will be accepted.
■ At least 12 hours used in the minor must be earned at UCF.
■ An overall GPA of 2.5 is required to satisfy the minor.

Prerequisite Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I (or equivalent)</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 3736C</td>
<td>Exercise Physiology Anatomy (or equivalent)</td>
<td>4</td>
</tr>
</tbody>
</table>

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
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Restricted Electives

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</tr>
<tr>
<td>PET 3361</td>
<td>Nutrition and Metabolism in Sport and Exercise Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.
Global Peace and Security Studies - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu
Dr. P. Vasquez, 407-823-2608
Dr. J. Sacher, 407-823-2225

In the face of some of the most complicated international peace and security challenges and opportunities that the global community has ever encountered, the ability to understand the factors that contribute to conflict and conflict-resolution is vitally important. Students who complete this minor will gain experience in the history of war and society, U.S. and international security policy, and causes of war.

Admission Requirements
- None

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students majoring in history or political science can take no more than 3 hrs of electives in their major department.

Prerequisite Courses
- Students must satisfy each course’s prerequisite before enrolling in the class.

Required Courses (6 hrs)
- EHU 3651 War and Society 3 hrs
- INR 4060 Causes of War 3 hrs

Restricted Electives (12 hrs)
- AMH 3547 U.S. Military History Since 1900 3 hrs
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- ASH 3223 The Middle East 3 hrs
- ASH 4243 History of Iraq 3 hrs
- ASH 4404 China in 19th and 20th Centuries 3 hrs
- DSC 4012 Terrorism 3 hrs
- CPPO 3301 Politics of the Middle East 3 hrs
- CPPO 4784 Political and Economic Inequality in Comparative Perspective 3 hrs

Other Requirements
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Health Informatics and Information Management - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health & Public Affairs II, Room: 210
Dr. Alice Noblin, anoblin@ucf.edu, 407-823-2353

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (20 hrs)
- HIM 3006 Foundations of Health Information Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HIM 4226C Coding Procedures I 5 hrs
- HIM 4256C Coding Procedures II 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions, Health & Public Affairs II, Room: 267
Dr. Timothy Worrell, 407-823-5296

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- HSC 3110 Medical Self Assessment 3 hrs
- HSC 3211 Preventive Health Care 3 hrs
- HUN 2201 Fundamentals of Human Nutrition 3 hrs
### Minors

**Restricted Electives (9 hrs)**

- HSC 3147  Introduction to Pharmacology  3 hrs
- HSC 4555  Pathophysiology I  3 hrs
- HSC 4558  Pathophysiology II  3 hrs
- HSC 4501  Epidemiology of Chronic Diseases  3 hrs
- HSC 3432  Occupational Safety for the Health Care Professional  3 hrs
- HSC 4572  Clinical Nutrition  3 hrs
- HSC 4730  Applied Health Research Methodology  3 hrs
- HSC 4008  Professional Development in Health Professions  3 hrs
- HSC 4564  Health Care Needs of the Elderly  3 hrs
- ATR 3203C  Upper Extremity Function and Measurement  3 hrs
- ATR 3204C  Lower Extremity Function and Measurement  3 hrs
- ATR 3312C  Injury, Management, and Rehabilitation  3 hrs
- PET 4606  Applied Fitness in Sport  3 hrs
- HSC 3537  Medical Terminology  3 hrs
- HSC 3593  HIV Disease: A Human Concern  3 hrs
- HSC 4652  Health Law and Ethics  3 hrs
- HSC 4559  Disabilities in American Society  3 hrs
- HSC 4564  Health Care Needs of the Elderly  3 hrs
- HSC 3559  Disabilities in American Society  3 hrs
- HSC 4572  Clinical Nutrition  3 hrs
- HSC 4730  Applied Health Research Methodology  3 hrs
- HSC 4008  Professional Development in Health Professions  3 hrs
- HSC 4652  Health Law and Ethics  3 hrs
- HSC 3432  Occupational Safety for the Health Care Professional  3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- Majors may not count courses presently required in a department program.
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by 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://history.cah.ucf.edu/](http://history.cah.ucf.edu/)

**Phone:** 407-823-2225

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- None

**Restricted Upper Division Electives (15 hrs)**

- HSA 4109  Principles of Managed Care or 3 hrs
- HIM 4508C  Quality Management or 3 hrs
- HSA 4702  Health Sciences Research Methods 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A grade of "C-" (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor's approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

### Hospitality Management - Minor

**Rosen College of Hospitality Management**

**Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819**

[http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)

**Email:** hospitality@mail.ucf.edu

**Dr. Fevzi Okumus, Department Chair**

**Dr. Abraham Pizam, Dean**

**Phone:** 407-903-8000

Not available to majors within the Rosen College of Hospitality Management.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- HFT 1000  Introduction to the Hospitality and Tourism Industry and 3 hrs
- HFT 3540  Guest Services Management I  3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18
Minors

Human Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, jkatt@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2881

Minor Admission Requirements
Not open to Ad-PR, Human Communication, Journalism, or Radio-TV majors.

Minor Requirements
None

Prerequisite Courses
Students must satisfy course prerequisites before enrolling.

Required Courses (12 hrs)
- COM 3011C Communication and Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs

Restricted Electives (9 hrs)
Select from the following courses:
- COM 3013 Communication and the Family 3 hrs
- COM 3022 Health Communication 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- COM 3332 Communication, Technology, and Change 3 hrs
- COM 3406 Role of Motivation in Communication 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- COM 4416 Terrorism and Communication 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- COM 4462 Conflict Management 3 hrs
- SPC 3445 Leadership Through Oral Communication 3 hrs
- SPC 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 3 hrs

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 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
No credit by exam (TSD, Military credit) may be used.
Internship, co-op, or independent study credit can be used toward this minor with prior approval.

Humanities - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Travis Rodgers, travis.rodgers@ucf.edu, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes and methods. 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 3 hrs
- HUM 3255 Modern Humanities or 3 hrs
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities or 3 hrs

Humanistic/Religious Traditions 12 hrs

Select 2: 6 hrs
- ANT 3245 Native American Religions or 3 hrs
- HUM 3401 Asian Humanities or 3 hrs
- REL 3333 Hinduism or 3 hrs
- REL 3363 Islam or 3 hrs
- REL 3403 Christianity or 3 hrs
- REL 3520 Moses, Jesus and Muhammad or 3 hrs
- JST 3401 Jewish People in Antiquity or 3 hrs
- PHH 3701 Native American Philosophy 3 hrs
Minors

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 21

**Other Requirements**
- A "C" (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**Information Technology - Minor**

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science**

**Science, Harris Corporation 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 Information Technology majors.

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (3 hrs)
- Select one of the following courses:
  - COP 2500C: Concepts in Computer Science (4 hrs)
  - COP 3223: Introduction to Programming with C (3 hrs)

**Restricted Electives** (15 hrs)
- Choose 5 courses from the following: CGS 3175 or courses required for the IT major.

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- Not open to Information Technology majors.
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within the Computer Science program at UCF.
- No credit by exam (TSD, Military credit) may be used.

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**Intelligent Robotic Systems (IRS) - Interdisciplinary Minor**

**College of Engineering and Computer Science**

**Engineering, Room: 107**

[http://www.cecs.ucf.edu](http://www.cecs.ucf.edu)

Paul Edlen, paule@mail.ucf.edu, 407-823-2455

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses** (3 hrs)
- Select 1:
  - A high-level programming language class (like the following or its equivalent) is required for the minor.
- COP 3223: Introduction to Programming with C or 3 hrs
- EGN 3211: Engineering Analysis and Computation or 3 hrs

**Required Courses** (6 hrs)
- EGN 4060C: Introduction to Robotics or 3 hrs
- EEL 4660: Robotic Systems or 3 hrs

**Restricted Electives** (12 hrs)
- Select 4:
  - Note: Courses with equivalent content cannot both be counted toward the electives.
- COP 4053: AI for Game Programming or 3 hrs
- COP 4453: Robot Vision or 3 hrs
- COP 4630: Artificial Intelligence or 3 hrs
- CAP 5415: Computer Vision or 3 hrs
- CAP 5512: Evolutionary Computation or 3 hrs
- CAP 5610: Machine Learning or 3 hrs
- COP 3503C: Computer Science II or 3 hrs
- EEL 3657: Linear Control Systems or 3 hrs
- EEL 4612C: Introduction to Modern and Robust Control or 4 hrs
- EEL 4750: Digital Signal Processing Fundamentals or 3 hrs
- EEL 4818H: Honors Current Topics in Machine Learning I or 3 hrs
- EEL 4872: Engineering Applications of Intelligent Systems or 3 hrs
- EEL 5669: Autonomous Robotic Systems or 3 hrs
- EEL 5173: Linear Systems Theory or 3 hrs
- EEL 5513: Digital Signal Processing Applications or 3 hrs
- EEL 5625: Applied Control Systems or 3 hrs
- EEL 5630: Digital Control Systems or 3 hrs
- EEL 5820: Image Processing or 3 hrs
- EEL 5825: Pattern Recognition or 3 hrs
- EGN 3321: Engineering Analysis-Dynamics or 3 hrs
- EML 3217: Engineering Mechanics - Dynamics or 3 hrs
- EML 3262: Kinematics of Mechanisms or 3 hrs
- EML 4225: Introduction to Vibrations and Controls or 3 hrs
- EML 4312C: Feedback Control or 3 hrs
- EML 4313: Intermediate System Dynamics and Controls or 3 hrs
- EML 4264: Vehicle Dynamics or 3 hrs
- EML 4804C: Digital Control in Mechatronics or 3 hrs
- EML 5311: System Control or 3 hrs
- EML 5290: Introduction to MEMS and Micromachining or 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.
Internationa and Global Studies - Minor
College of Sciences
Degree of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/
Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
  - 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- IDS 4315  Global Perspectives 3 hrs
- GEO 3471  World Political Geography 3 hrs

Restricted Electives (15 hrs)
- Substitutions require prior approval by the program advisor.

A. Political Science:
Select courses from this grouping: 6 hrs
- INR 4011  Politics of Globalization or 3 hrs
- INR 4030  Diplomacy or 3 hrs
- INR 4035  International Political Economy or 3 hrs
- INR 4054  Global Politics of Energy or 3 hrs
- INR 4074  Immigration Policy or 3 hrs
- INR 4075  Human Rights Policy or 3 hrs
- INR 4076  Global Drug Policy or 3 hrs
- INR 4350  Global Environmental Politics or 3 hrs
- INR 4502  International Organizations or 3 hrs
- INR 4603  International Relations Theory or 3 hrs
- INR 4714  Politics of International Trade Policy 3 hrs

B. Area Studies: 6 hrs
- Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies
- Courses may not have a prefix of INR, CPO, POT, POS, or PUP.

C. Other:
Select one course from this grouping: 3 hrs
- CPO 3103  Comparative Politics or 3 hrs
- CPO 4062  Comparative Judicial Process or 3 hrs
- CPO 4074  Political Economy or 3 hrs
- CPO 4754  Comparative Political Institutions or 3 hrs
- CPO 4710  Women in Comparative Politics or 3 hrs
- CPO 4784  Political and Economic Inequality in Comparative Perspective or 3 hrs
- CPO 4445  Comparative Political Parties or 3 hrs
- DSC 4012  Terrorism or 3 hrs
- EUH 3651  War and Society or 3 hrs
- MMC 4300  International Media or 3 hrs
- SYF 4454  Global Inequality and Society or 3 hrs

THE 3312  Theatre History and Dramatic Literature 3 hrs
FLAC courses

Foreign Language Requirements
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
- Standardized examinations for foreign languages may be used to meet the requirement.

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental approval.

International Business - Minor
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu
Robert Sweo, rsweo@bus.ucf.edu, 407-823-1237

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- FIN 4604  International Financial Management 3 hrs
- GEB 3955  Study Abroad 3 hrs
- MAN 4600  International Management 3 hrs
- MAR 4156  International Marketing 3 hrs

Restricted Electives (6 hrs)
Select two of the following:
- ECO 3703  International Microeconomics 3 hrs
- ECO 3704  Global Economic Policy 3 hrs
- ECO 4713  International Macroeconomics 3 hrs
- ECS 4013  Development Economics 3 hrs
- GEB 3955  Study Abroad 3 hrs
- GEB 4361  Business in the International Environment 3 hrs
- GEB 4374  International Negotiations and Transactions 3 hrs
- GEB 4955  Study Abroad 3 hrs
- GEO 3471  World Political Geography 3 hrs
- INR 4035  International Political Economy 3 hrs
Minors

INR 4224  Contemporary International Politics of Asia  3 hrs
INR 4243  International Politics of Latin America  3 hrs
INR 4401  International Law  3 hrs
MAR 4724  Strategic Foundations in Global E-Business  3 hrs
Any 3000/4000 level foreign language course.

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 19

Other Requirements

■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” from other institutions are not accepted.
■ Courses taken at Florida College System institution do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
■ A maximum of seven hours of the above listed required or elective courses can count toward another major or minor degree program.

International Engineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027

The objective of this minor is to provide engineering and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain first-hand the global aspects of engineering, science and technology.

Minor Admission Requirements

■ Admission by interview with the Program Director

Minor Requirements

■ Minimum UCF Overall GPA of 2.5.

Prerequisite Courses

■ Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses (18 hrs)

■ The International minor in Engineering or Computer Science is composed of three parts:

Language Skill Acquisition  6 hrs

■ It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries in where English is widely spoken.
■ If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework, appropriate to the region of study, at UCF in lieu of the foreign language credits. This alternative international coursework will consist of two of the following courses (or an equivalent(s) approved by the program coordinator):

ANT 3212  Peoples of the World  3 hrs
ANT 3541  Biobehavioral Anthropology  3 hrs
ANT 4332  People and Cultures of Latin America  3 hrs
ANT 4360  Language and Culture  3 hrs
ASH 4404  China in 19th and 20th Centuries  3 hrs
ASH 4442  Modern Japan, 19th and 20th Centuries  3 hrs
COM 4461  Intercultural Communication  3 hrs
CPO 3034  Politics of Developing Areas  3 hrs
CPO 3103  Comparative Politics  3 hrs
CPO 3104  Politics of Western Europe  3 hrs
CPO 4101  Politics of the European Union  3 hrs
CPO 4303  Comparative Latin American Politics  3 hrs
CPO 4643  Government and Politics of Russia  3 hrs
GEO 3471  World Political Geography  3 hrs
REL 3333  Hinduism  3 hrs
REL 3363  Islam  3 hrs
IDS 3333  World Comparative Studies  3 hrs
INR 4035  International Political Economy  3 hrs
INR 4102  American Foreign Policy  3 hrs
INR 4224  Contemporary International Politics of Asia  3 hrs
INR 4243  International Politics of Latin America  3 hrs
INR 4401  International Law  3 hrs

Cultural Coursework  3 hrs

■ It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
■ Option 1) Students will complete three hours of coursework in 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.
Minors

[Italian - Minor]

College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mill.cah.ucf.edu/
Email: flfacult@ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

[Journalism Studies - Minor]

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu, 407-823-2681

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy minor.
- Grades below a “C” (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- JOU 3004 History of American Journalism 3 hrs

Restricted Electives (15 hrs)
- Select from the following:
  - JOU 3304 Journalism Readings 3 hrs
  - JOU 3015 Principles of Journalism 3 hrs
  - JOU 3510 Magazine Publishing 3 hrs
  - JOU 4700 Journalism Ethics 3 hrs
  - MMC 2004 Mass Media 3 hrs
  - MMC 3200 Mass Communication Law 3 hrs
  - MMC 4300 International Media 3 hrs
  - VIC 3001 Visual Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

[Judaic Studies - Minor]

College of Arts and Humanities
Program in Judaic Studies, Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu
Email: judaicst@ucf.edu
Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. Interested students are encouraged to meet with the program director. Students minoring in Judaic Studies should take 6 HBR or JST courses, for a total of 18-20 credit hours.

Minor Admission Requirements
- None

Minor Requirements
- None
Latin American Area Studies - Minor
College of Arts and Humanities
Program in Latin American Studies,
Colbourn Hall, Room: 122
http://las.cah.ucf.edu/
Phone: 407-823-1173

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Minor Admission Requirements
- 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
  - SPN 1121C: Elementary Spanish Language and Civilization II

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Choose 6 Restricted Electives courses.

Other courses, including special topics, with the approval of the Director

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Requirement for minor is 18-20 credits.
Leadership Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom Building I, Room: 302
http://www.is.ucf.edu
Email: is@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)

Foundation Requirement
- LDR 2001 Foundations of Leadership: 3 hrs
- LDR 2002 Intermediate Foundations of Leadership: 2 hrs

Restricted Requirements
- Choose one course from each of the five areas:
  - Communication
    - COM 3011C Communication and Human Relations or 3 hrs
    - COM 3120 Organizational Communication or 3 hrs
    - COM 4461 Intercultural Communication or 3 hrs
    - COM 4462 Conflict Management or 3 hrs
    - ENC 3250 Professional Writing or 3 hrs
    - SPC 3445 Leadership Through Oral Communication or 3 hrs
  - Collaboration
    - INP 3004 Industrial/Organizational Psychology or 3 hrs
    - INP 4313 Organizational Psychology or 3 hrs
    - MAN 4240 Organizations: Theory and Behavior or 3 hrs
    - MAN 4325 Management of Organizations or 4 hrs
    - SPC 4426 Group Dynamics or 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 3040C Motivation or 3 hrs
    - SOP 3723 Cross Cultural Psychology or 3 hrs
    - SOP 3742 Psychology of Women or 3 hrs
    - SOP 3784 Psychology of Diversity or 3 hrs
  - Politics
    - PAD 3003 Public Administration in American Society or 3 hrs
    - PAD 4104 Administrative Theory or 3 hrs
    - PAD 4144 Nonprofit Organizations or 3 hrs
    - PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs

Restricted Electives (15 hrs)
- Choose three courses from the following:
  - 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 or 3 hrs

Foreign Language Requirements
- None

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

Legal Studies - Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health & Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter
Phone: 407-823-1670

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- POS 3413 The American Presidency or 3 hrs
- POS 4206 Political Psychology or 3 hrs
- PUP 3325 Women and Political Behavior or 3 hrs
- SYO 4300 Political Sociology or 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 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3640 Environmental Ethics or 3 hrs

Restricted Electives (18 hrs)
- Choose three courses from the following:
  - 15 Semester hours of legal studies courses selected with the aid of an advisor

Restricted Upper Division Electives (15 hrs)
- At least 15 credit hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

Other Requirements
- A minimum grade of "C" (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 within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.
Minors

Magazine Journalism - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Email: Journalism@ucf.edu
Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
■ Grammar proficiency requirement.
■ A minimum UCF GPA of 3.0 is required.
■ The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted in the minor.
■ At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
JOU 2100C News Reporting 3 hrs
JOU 3510 Magazine Publishing 3 hrs
JOU 4224 Magazine Editing and Production 3 hrs

Restricted Electives (9 hrs)
Select from the following:
ENC 3310 Magazine Writing I or 3 hrs
JOU 3370 Social Media Writing for Magazines or 3 hrs
JOU 3201 Editing I or 3 hrs
JOU 4211C Informational Graphics or 3 hrs
JOU 4213C Page Design or 3 hrs
JOU 4300 Feature Writing or 3 hrs
JOU 4340C Online Journalism I 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 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: 307S
Open to Business and Non-Business Students

Minor Admission Requirements
■ Not available to Marketing Majors

Minor Requirements
■ None

Required Courses (4 hrs)
MAR 3023 Marketing 4 hrs

Restricted Electives (15 hrs)
Select four or five:
MAR 3203 Supply Chain and Operations Management 4 hrs
MAR 3223 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

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 Florida College System institutions do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used. Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
■ A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Mass Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Joan McCain, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
■ Not open to Ad-PR, Journalism, or Radio-TV majors.
Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted 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 (9 hrs)
- ADV 4103 Radio-Television Advertising 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- JOU 3004 History of American Journalism 3 hrs
- JOU 3015 Principles of Journalism 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- MMC 4300 International Media 3 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
- PUR 4000 Public Relations 3 hrs
- PUR 4400 Crisis Communication 3 hrs
- RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs
- RTV 4700 Regulation of Broadcasting 3 hrs
- VIC 3001 Visual Communication 3 hrs

Restricted Electives (9 hrs)
Select from the following:
- ADV 4103 Radio-Television Advertising 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- JOU 3004 History of American Journalism 3 hrs
- JOU 3015 Principles of Journalism 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- MMC 4300 International Media 3 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
- PUR 4000 Public Relations 3 hrs
- PUR 4400 Crisis Communication 3 hrs
- RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs
- RTV 4700 Regulation of Broadcasting 3 hrs
- VIC 3001 Visual Communication 3 hrs

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.

Mass Culture and Collective Behavior - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Email: sociology@ucf.edu
Dr. J. Jasinski, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop a working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.
Minors

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 24

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ Lower division courses do not substitute for Upper Division courses.

Mathematics - Minor
College of Sciences
Department of Mathematics,
Mathematical Sciences Building, Room: 207

http://math.ucf.edu
Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu
Phone: 407-823-0147

Minor Admission Requirements
■ The minor is not open to Mathematics or Math Education majors.

Minor Requirements
■ A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
■ At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
■ A minimum of 6 hours used to satisfy the Math Minor must be unique and not be used to satisfy the requirements of a major.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

MAC 2311C Calculus with Analytic Geometry I 4 hrs

Required Courses
(11 hrs)
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs

Restricted Electives
(7 hrs)
■ The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.

Select two from the following list of options:
■ MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)
■ MAD XXXX (any 3000, 4000, or 5000 level course)
■ MAP XXXX (any 3000, 4000, or 5000 level course, except as noted below)
■ MAS XXXX (any 3000, 4000, or 5000 level course, except as noted below)
■ MTG XXXX (any 3000, 4000, or 5000 level course)
■ Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee

You may select either course if desired, but not both.
MAS 3105 Matrix and Linear Algebra 4 hrs
MAS 3106 Linear Algebra 4 hrs

You may select either sequence, but not both.
MAA 4226 Advanced Calculus I and 4 hrs
MAA 4227 Advanced Calculus II 3 hrs
or
MAA 5210 Topics in Advanced Calculus 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 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.

Mathematics Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed/
Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu,
407-823-4336
Dr. Janet Andreason, ED 123Q, Janet.Andreasen@ucf.edu
Phone: 407-823-5430

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
■ Have a minimum 2.5 overall GPA
■ Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (19 hrs)
■ A C- or better is required in these courses

EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs
MAE 4634 Programs in Teaching of Mathematics 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ Students should see an advisor prior to registering for classes
■ Students must complete 18 hrs of courses in mathematics as co-requisites
■ At least 12 hours in the minor must be earned at UCF
■ Obtain a minimum 2.5 GPA in courses required for minor

Medical Anthropology - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
Email: anthro@ucf.edu
Dr. Arlen Chase, 407-823-2227

The Medical Anthropology minor develops students’ understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.
Medical Sociology - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.cos.ucf.edu
Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role social forces play in the way society views, treats, understands, and responds to illness and disease. This minor facilitates an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor 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.
- AN 2000 General Anthropology 3 hrs
- Required Courses (12 hrs)
  - Complete all of the following:
    - AN 2410 Cultural Anthropology 3 hrs
    - AN 2511 The Human Species 3 hrs
    - AN 4408 Culture, Disease, and Healing 3 hrs
    - AN 4462 Medical Anthropology 3 hrs

Restricted Electives
- Restricted Electives, Group A: 3 hrs
  - Select from the list below:
    - AN 3241 Magic, Ritual, and Belief 3 hrs
    - AN 3302 Sex, Gender and Culture 3 hrs
    - AN 4467 Nutritional Anthropology 3 hrs
    - AN 4516 Human Biological Diversity 3 hrs
    - AN 4560 Anthropological Perspectives on Human Growth 3 hrs
- Restricted Electives, Group B: 6 hrs
  - Select from the list below:
    - AN 3148 Life and Death in Ancient Egypt 3 hrs
    - AN 3541 Biobehavioral Anthropology 3 hrs
    - AN 3701 Applied Anthropology 3 hrs
    - AN 4013 Anthropological Perspectives on Fast Food 3 hrs
    - AN 4184 Mortuary Archaeology 3 hrs
    - AN 4521 Forensic Anthropology 3 hrs
    - AN 4525C Human Osteology 4 hrs
    - AN 4802 Ethnographic Field Methods 3 hrs
    - May substitute a health-related course from another department with prior permission from Anthropology.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Medieval and Renaissance Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://www.english.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
Minors

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

Required Courses (9 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

Department of Modern Languages
FRW 3100 Survey of French Literature I 3 hrs
ITW 3100 Survey of Italian Literature I 3 hrs
LAT 1120C Elementary Latin Language and Civilization 4 hrs
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

19

Other Requirements

- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

Middle Eastern Studies - Minor
College of Arts and Humanities
Program in Middle Eastern Studies, Colbourn Hall, Room: 551
http://middleeasternstudies.cah.ucf.edu/
Dr. Hakan Ozoglu

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (9 hrs)
CPO 3403 Politics of the Middle East 3 hrs
REL 3363 Islam 3 hrs
ASH 3223 The Modern Middle East 3 hrs

Restricted Electives (9 hrs)
- Additional courses may be used only with prior permission of the program director.
- Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120, 1121)
- ARA 2200 Intermediate Arabic Language and Civilization I 3 hrs
- ASH 3222 Islam and its Empires 3 hrs
- ASH 5227 The Arab-Israeli Conflict 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- HBR 2200 Intermediate Modern Hebrew I 3 hrs
- REL 3320 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

- 18

Other Requirements

- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of “C” or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Military Science - Minor
College of Engineering and Computer Science
Army ROTC, Army ROTC, Room: 501
LTC Mario Johnson
Phone: 407-823-1872

Minor Admission Requirements

- Interview with Chair/Professor of Military Science to determine eligibility to meet requirements to contract and commission as an officer in the US Army.

Minor Requirements

- Eligibility for this minor is restricted to those students who meet the requirements to contract and commission as officers in the US Army. Students desiring to enroll in the advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet prerequisite requirements to contract and must obtain permission from the Chair/Professor of Military Science through an interview process, prior to participating in the advanced courses.

Prerequisite Courses

Military Science Prerequisites 8 hrs
MSL 1001C Foundations of Officerhip 2 hrs
MSL 1002C Basic Leadership 2 hrs
MSL 2101C Individual Leadership Studies 2 hrs
MSL 2102C Leadership and Teamwork 2 hrs

Required Courses (16 hrs)
MSL 3201C Leadership and Problem Solving 4 hrs
MSL 3202C Leadership and Ethics 4 hrs
MSL 4301C Leadership and Management 4 hrs
MSL 4302C Officerhip 4 hrs

Restricted Electives (3 hrs)
Select one of the following
AMH 3541 U. S. Military History To 1900 3 hrs
AMH 3547 U. S. Military History Since 1900 3 hrs
Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

Music - Minor
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu/
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses: (10 hrs)
- MUT 1004 Fundamentals of Music I - 3 hrs
- MUT 1121 Music Theory and Musicianship I - 4 hrs

Select 1: 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- MUL 2016 Evolution of Jazz or 3 hrs
- MUL 2720 Music of the World or 3 hrs
- MUH 2017 Survey of Rock Music or 3 hrs
- MUH 2019 American Popular Music, 1840s-present - 3 hrs

Restricted Electives: (9 hrs)
- Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Nonprofit Management/National Certification in Nonprofit Management - Minor
College of Health and Public Affairs
School of Public Administration,
Health & Public Affairs II, Room: 238
Stephanie Krick, stephanie.krick@ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Nonprofit Management Minor Requirements
- None

Required Courses: (9 hrs)
- PAD 3930 Nonprofit Leadership Seminar - 1 hr
- PAD 4948 Nonprofit Management Internship - 3 hrs
- PAD 4144 Nonprofit Organizations - 3 hrs

- One credit hour course repeated three semesters.
- Internships within other programs may be accepted with prior approval of Nonprofit Leadership Alliance 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
  - ACG 2021 Principles of Financial Accounting or 3 hrs
  - ACG 2071 Principles of Managerial Accounting or 3 hrs
  - MAN 3025 Management of Organizations or 4 hrs
  - PAD 4131 Public Sector Project Management or 3 hrs
  - PAD 4204 Fiscal Management or 3 hrs
  - PAD 5850 Grant and Contract Management or 3 hrs
  - SOW 3401 Social Work Research or 3 hrs
  - PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
  - PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs

Select 2: 3 hrs
- Group II: Human Development and Human Resource Development and Volunteerism
  - MAN 3301 Management of Human Resources or 3 hrs
  - MAN 4101 Human Relations in Management or 3 hrs
  - MAN 4320 Human Resources Recruitment and Selection or 3 hrs
  - PAD 4414 Human Resource Administration or 3 hrs
  - PAD 4418 Volunteer Management or 3 hrs
  - SOW 3284 Social Work Perspectives on Social Justice or 3 hrs
  - SOW 3104 Assessing I: Human Development or 3 hrs
  - DEP 2004C Developmental Psychology or 3 hrs
  - DEP 3464 Psychology of Aging or 3 hrs
  - EDG 4941 Directed Field Experience - 1 hr

Select 3: 3 hrs
- Group III: Communication & Marketing and Fund Raising Principles & Practices
  - COM 3110 Business and Professional Communication or 3 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business or 3 hrs
  - MAR 3023 Marketing or 4 hrs
  - MAR 3641 Marketing Intelligence or 3 hrs
  - MAR 4803 Marketing Management or 3 hrs
  - PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  - SOW 3352 Practice II: Interpersonal Skills in Social Work: or 3 hrs
  - SPC 3301 Interpersonal Communication or 3 hrs

Course has prerequisites or may be open to students in that major only. Please see catalog for details.

Public Affairs Emphasis: 9 hrs
- Choose at least 3 courses from the following:
  - PAD 4148 Volunteer Management - 3 hrs
  - PAD 4153 Planning and Improvement for Public Organizations - 3 hrs
  - PAD 4131 Public Sector Project Management - 3 hrs
Minors

PD 4147 Resource Development in the Nonprofit Sector 3 hrs
PD 4204 Fiscal Management 3 hrs
PD 4223 Public Budgeting: Skills and Techniques 3 hrs
PD 4253 Community & Economic Development 3 hrs
PD 4255 Program Evaluation for Public and Nonprofit Organizations 3 hrs

1 Course has prerequisites or may be open to students in that major only. Please see catalog for details.

Foreign Language Requirements
[None]

Total Semester Hours Required
[18]

Other Requirements
[None]

Performing Arts Administration - Minor
College of Arts and Humanities
Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu/
Kirk Gay, kirk.gay@ucf.edu
Phone: 407-823-5968

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

Minor Admission Requirements
[None]

Prerequisite Courses
[None]

Required Courses (12 hrs)
- PD 4144 Nonprofit Organizations 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- THE 2020 Survey of Theatre for Majors 3 hrs

Restricted Electives (10 hrs)
- Select three courses, one from each of the three different areas.

Finance & Budgeting
- FIN 2100 Personal Finance and Investments 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs

Management
- MAR 3023 Marketing 4 hrs
- MAN 3025 Management of Organizations 4 hrs

Nonprofit Sector
- PAD 4148 Volunteer Management 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 3003 Public Administration in American Society 3 hrs

Foreign Language Requirements
[None]

Total Semester Hours Required
[31]
Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 15 hours in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.

Philosophy - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select one course from each of the following groups:

Reasoning
Select 1: 3 hrs
- PHI 2011: Philosophical Reasoning or 3 hrs
- PHI 2101: Formal Logic I or 3 hrs
- PHI 2647: Logic and Ethics or 3 hrs
- PHI 3131: Formal Logic II or 3 hrs
- PHI 2108: Critical Thinking or 3 hrs

History of Philosophy
Select 1: 3 hrs
- PHI 3100: Ancient Philosophy or 3 hrs
- PHI 3200: Medieval Philosophy or 3 hrs
- PHI 3460: Modern Western Philosophy or 3 hrs
- PHI 3600: Contemporary Philosophy or 3 hrs

Values and Society
Select 1: 3 hrs
- PHI 3670: Ethical Theory or 3 hrs
- PHI 3626: Advanced Ethics in Science and Technology or 3 hrs
- PHM 3401: Philosophy of Law or 3 hrs
- PHI 3800: Aesthetics or 3 hrs
- PHM 3123: Feminist Theories or 3 hrs
- PHI 3638: Ethical Issues in the 21st Century or 3 hrs
- PHI 3625: Virtual Ethics or 3 hrs
- PHI 4633: Ethics and Biological Science or 3 hrs
- PHI 3100: Freedom and Justice or 3 hrs
- PHI 3640: Environmental Ethics or 3 hrs
- PHM 4031: Environmental Philosophy or 3 hrs
- PHI 3701: Native American Philosophy or 3 hrs
- PHI 3805: Contemporary Aesthetics or 3 hrs

Being and Knowing
Select 1: 3 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 or 3 hrs

Topics in Philosophy
Select 1: 3 hrs
- PHI 4931: Philosophy in the News or 3 hrs
- PHI 4321: Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHM 3022: Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033: Philosophy, Religion, and the Environment or 3 hrs
- PHI 4804: Critical Theory or 3 hrs
- PHP 3783: Modernity as a Philosophical Problem or 3 hrs
- PHI 3750: The Problem of Evil or 3 hrs
- PHI 3720: Faith and Reason or 3 hrs
- PHI 3803: Philosophy and Creativity or 3 hrs
- REL 3111: Religion and Philosophy Through Film or 3 hrs
- PHP 3766: Existentialism or 3 hrs
- PHP 4933: Key Concepts in Philosophy or 3 hrs
- PHP 4931: Key Figures in Philosophy or 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://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Shelley Park, Shelley.Park@ucf.edu, 407-823-2273

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- 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.

Theoretical Foundations 6 hrs
- PHI 3684: Ways of Living or 3 hrs
- PHI 4804: Critical Theory or 3 hrs
- PHP 3783: Modernity as a Philosophical Problem or 3 hrs
- PHI 3750: The Problem of Evil or 3 hrs
- PHI 3720: Faith and Reason or 3 hrs
- PHI 3803: Philosophy and Creativity or 3 hrs
- REL 3111: Religion and Philosophy Through Film or 3 hrs
- PHP 3766: Existentialism or 3 hrs
- PHP 4933: Key Concepts in Philosophy or 3 hrs
- PHP 4931: Key Figures in Philosophy or 3 hrs

Take all of the following: (6 hrs)
- PHI 3684: Ways of Living or 3 hrs
- PHI 4804: Critical Theory or 3 hrs
- PHP 3783: Modernity as a Philosophical Problem or 3 hrs
- PHI 3750: The Problem of Evil or 3 hrs
- PHI 3720: Faith and Reason or 3 hrs
- PHI 3803: Philosophy and Creativity or 3 hrs
- REL 3111: Religion and Philosophy Through Film or 3 hrs
- PHP 3766: Existentialism or 3 hrs
- PHP 4933: Key Concepts in Philosophy or 3 hrs
- PHP 4931: Key Figures in Philosophy or 3 hrs

Other Requirements
- None
- No credit by exam (TSD, Military credit) may be used.
- At least 15 hours used in the minor must be earned at UCF within the department.
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.
## Philosophy

**3 hrs**

**Select 1:**
- PHI 2101 Formal Logic I or 3 hrs
- PHI 3670 Ethical Theory or 3 hrs
- PHI 3766 Existentialism or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHI 4300 Theories of Knowledge 3 hrs

**3 hrs**

**Select 1:**
- PHI 2101 Formal Logic I or 3 hrs
- PHI 3670 Ethical Theory or 3 hrs
- PHI 3766 Existentialism or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHI 4300 Theories of Knowledge 3 hrs

**3 hrs**

**Select 1:**
- PHM 3100 Freedom and Justice or 3 hrs
- PHI 3720 Faith and Reason or 3 hrs
- PHP 3786 Existentialism or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHI 4300 Theories of Knowledge 3 hrs

**3 hrs**

**Select 1:**
- PHI 2101 Formal Logic I or 3 hrs
- PHI 3670 Ethical Theory or 3 hrs
- PHI 3766 Existentialism or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHI 4300 Theories of Knowledge 3 hrs

**Religion**

**3 hrs**

**Select 1:**
- CLT 3378 Comparative Mythology or 3 hrs
- REL 3403 Christianity or 3 hrs
- REL 3320 Moses, Jesus and Muhammad or 3 hrs
- REL 3333 Hinduism or 3 hrs
- REL 3363 Islam 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:**
- HUM 3320 Contemporary Multicultural Studies or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- PHI 3625 Virtual Ethics or 3 hrs
- PHI 4931 Philosophy in the News or 3 hrs
- POS 3235 Mass Media and Politics or 3 hrs
- POS 3258 Politics in Film or 3 hrs
- REL 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:**
- 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 4321 Philosophies of Embodiment: Mind/Body/ Self or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- HUM 3320 Contemporary Multicultural Studies or 3 hrs
- REL 3130 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

### Physics - Minor

**College of Sciences**

**Department of Physics,**

**Physical Sciences Building, Room: 430**


**Email:** physics@ucf.edu

Dr. Talat Rahman  
Phone: 407-823-2325

**Minor Admission Requirements**

- The minor is not open to Physics majors.

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

**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

### Political Science - Minor

**College of Sciences**

**Department of Political Science,**

**Howard Phillips Hall, Room: 302**

[politicalscience.cos.ucf.edu](http://politicalscience.cos.ucf.edu)

**Email:** politics@ucf.edu

Dr. Roger Handberg  
Phone: 407-823-2608

**Minor Admission Requirements**

- Double major/dual degree policy in Political Science programs and minors:
  1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course;

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

**Prerequisite Courses**

- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.
Required Courses (3 hrs)
POS 2041 American National Government 3 hrs

Restricted Electives (15 hrs)
- Five upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 or IDS 4315 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of for the following course may be used:
  POS 4941 Political Science Internship 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Political Science/Prelaw - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/
Email: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who double minor in Political Science/Prelaw and International and Global Studies shall not count more than one course toward both programs.
  - 2. Students who major in International and Global Studies, and minor in Political Science/Prelaw, shall not count more than one course toward both programs, except the following:
    POS 2041 American National Government 3 hrs

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (6 hrs)
POS 2041 American National Government 3 hrs
POS 4284 Judicial Process and Politics 3 hrs

Restricted Electives (12 hrs)
Select 1: 3 hrs
INR 4401 International Law 3 hrs
POS 4603 American Constitutional Law I 3 hrs
POS 4604 American Constitutional Law II 3 hrs

Restricted Upper Division Electives 9 hrs
- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 or IDS 4315 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of the following course may be counted:
  POS 4941 Political Science Internship 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Psychology - Minor
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
Email: psychadvising@ucf.edu
Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/ or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements
- The minor is not open to psychology majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of “C” (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (10 hrs)
PSY 2012 General Psychology 3 hrs
PSY 3204C Statistical Methods in Psychology 4 hrs

Select one statistics course: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Restricted Electives (15 hrs)
A. Experimental
Select 1: 3 hrs
EXP 3204C Perception or 4 hrs
EXP 3404C Basic Learning Processes or 3 hrs
EXP 3804C Cognitive Psychology or 4 hrs
PSB 4240C Neuropsychology or 4 hrs
EXP 3640 Psychology of Language 3 hrs

B. Personality/Social
Select 1: 3 hrs
PPE 3003 Personality Theory and Research or 3 hrs
SOP 3004C Social Psychology 3 hrs

C. Developmental
Select 1: 3 hrs
DEP 2004C Developmental Psychology or 3 hrs
DEP 3202 Psychology of Exceptional Children or 3 hrs
DEP 3464 Psychology of Aging 3 hrs

D. Diversity
Select 1: 3 hrs
CLP 3184 Women’s Mental Health or 3 hrs
SOP 3723 Cross Cultural Psychology or 3 hrs
SOP 3724 Psychology of Prejudice or 3 hrs
SOP 3742 Psychology of Women or 3 hrs
SOP 3784 Psychology of Diversity 3 hrs
Minors

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
■ None

Required Courses
■ (6 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Required Courses
■ (13 hrs)
FIN 2100 Personal Finance and Investments 3 hrs
FIN 3403C Business Finance 4 hrs
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs

Restricted Electives
■ (6 hrs)
Select 2:
REE 4103 Real Estate Appraisal and Valuation or 3 hrs
REE 4203 Commercial Real Estate Finance 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
REE 3614 Environmental Issues for Real Estate or 3 hrs
REE 4933 Advanced Topics in Real Estate 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 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 Florida College System institutions do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
■ A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

Recreation - Minor
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
Patty Lanier, PattyLanier@ucf.edu, 407-823-0623

This minor will assist students who wish to work in recreation areas such as YMCA’s, Boys and Girls Clubs, after school programs, sports for children programs, theme park and resort recreation programs. This minor is available for students in the 2007 catalog year and beyond.
Minor Admission Requirements
- 2.5 GPA

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- (9 hrs)
  - PEO 3041 Games Analysis 3 hrs
  - PET 3765 Coaching Theory 3 hrs
  - PET 3820 Teaching Sports Skills I 3 hrs

Restricted Electives
- (9 hrs)
  - Select 3: 9 hrs
    - DAE 3370 Dance and Rhythms 3 hrs
    - PET 3771 Strength and Conditioning Concepts 3 hrs
    - PET 4050C Motor Development and Learning 3 hrs
    - PET 4312C Kinesiology/Biomechanics 3 hrs
    - SPM 3130 Aquatic Management 3 hrs
    - SPM 4002 Outdoor and Leisure Activities 3 hrs
    - SPM 3204 Sports and Ethics 3 hrs
    - SPM 3415 Public Relations in Sport and Exercise Science 3 hrs
    - PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No grades below "C" (2.0) will be accepted
- All of these hours must be earned at UCF
- No credit by exam, (TSD, Military credit) may be used
- Independent study credit cannot be used toward the minor
- An overall GPA of 2.5 is required to satisfy the minor.

Religion and Cultural Studies - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: religion@ucf.edu
Dr. Sabatino DiBernardo, sabatino.dibernardo@ucf.edu, 407-823-2273

Religion and Cultural Studies is a minor designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- (21 hrs)
  - REL 2000 Introduction to Religious Studies 3 hrs

Traditions
- 6 hrs
  - Must select one in each category
    - Abrahamic Traditions 3 hrs
      - REL 3403 Christianity or 3 hrs
      - REL 3363 Islam or 3 hrs
      - REL 3320 Moses, Jesus and Muhammad or 3 hrs
      - REL 3432 Roots of Western Mysticism or 3 hrs
      - JST 3401 Jewish People in Antiquity 3 hrs

Asian and Indigenous Traditions 3 hrs
- REL 3330 Hinduism 3 hrs
- ANT 3245 Native American Religions or 3 hrs
- REL 3330 Hinduism 3 hrs

Theories and Methods 6 hrs
- Must select one in each category
  - Religion 3 hrs
    - REL 4936 Key Figures in Religion and Cultural Studies or 3 hrs
    - REL 4496 Key Concepts in Religion and Cultural Studies or 3 hrs
    - PHI 3700 Philosophy of Religion 3 hrs
  - Cultural Studies 3 hrs
    - HUM 4459 American Cultural Studies in Humanities or 3 hrs
    - HUM 3805 Critical Theory in the Humanities or 3 hrs
    - HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs
    - HUM 4823 Queer Theory in the Humanities or 3 hrs
    - HUM 4826 Postcolonial Theory or 3 hrs
    - PHI 4804 Critical Theory 3 hrs
  - Religion in Culture 6 hrs
    - Must select two from the following:
      - REL 3111 Religion and Philosophy Through Film 3 hrs
      - REL 3115 Religion, Spirituality, and Popular Music 3 hrs
      - REL 3130 Religion in America 3 hrs
      - REL 4110 Religion and the Arts 3 hrs
      - REL 4180 Religion and Medicine 3 hrs
      - REL 3112 Religion and 20th Century Fantasy Texts 3 hrs
      - REL 3101 Religion in Popular Culture 3 hrs
      - ANT 3241 Magic, Ritual, and Belief 3 hrs
      - JST 3550 Introduction of Modernism into Judaism 3 hrs
      - POT 4632 Religion and Politics 3 hrs
      - SYO 4200 Religion in Society 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 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

Russian Studies - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
Email: History@ucf.edu
Dr. Vladimir Solonari
Dr. Alla Kourova
Phone: 407-823-6617

Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- Language Classes 6 hrs
  - RUS 2200 Intermediate Russian Language and Civilization I 3 hrs
  - RUS 2201 Intermediate Russian Language and Civilization II 3 hrs
### Minors

#### Restricted Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 4571</td>
<td>History of Russia to 1801</td>
<td>3</td>
</tr>
<tr>
<td>EUH 4574</td>
<td>History of Russia: 1801-1917</td>
<td>3</td>
</tr>
<tr>
<td>EUH 4576</td>
<td>History of Russia in the 20th Century</td>
<td>3</td>
</tr>
<tr>
<td>EUH 4663</td>
<td>History of Communism in Europe</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3014</td>
<td>Politics of Eastern Europe</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4643</td>
<td>Government and Politics of Russia</td>
<td>3</td>
</tr>
<tr>
<td>PLA 4830</td>
<td>World Legal Systems</td>
<td>3</td>
</tr>
<tr>
<td>POT 4414</td>
<td>Marxist Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3082</td>
<td>Continental European Fiction Since 1900</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3931</td>
<td>Topics in World Literature</td>
<td>3</td>
</tr>
<tr>
<td>RUT 3505</td>
<td>Russian Culture and Civilization</td>
<td>3</td>
</tr>
<tr>
<td>RUS 3955</td>
<td>Study Abroad</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- A minimum GPA of 2.0 is required for all courses used to satisfy a minor.
- At least 12 hours used in the minor must be earned at UCF.
- Except for the foreign language requirement, no credit by exam may be used.
- Internship, Co-op, or Independent Study cannot be used toward the minor.

---

### Science Education - Minor

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**

**http://education.ucf.edu/science/**

Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@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 a Florida College System or State University System institution.

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required 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>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESL</td>
<td>3</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3</td>
</tr>
<tr>
<td>SCL 5360</td>
<td>Science Instructional Analysis</td>
<td>4</td>
</tr>
<tr>
<td>SCL 5361</td>
<td>Programs in Teaching Science</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Secure Computing and Networks - Minor

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center, Room: 346**

**http://www.eecs.ucf.edu**

Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 3360</td>
<td>Security in Computing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 3362</td>
<td>Cryptography and Information Security</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Restricted Electives (12 hrs)

**Select 4:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNT 4403</td>
<td>Network Security and Privacy</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4361</td>
<td>Secure Operating Systems and Administration</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4615</td>
<td>Secure Software Development and Assurance</td>
<td>3</td>
</tr>
<tr>
<td>CNT 4703C</td>
<td>Design and Implementation of Computer Communication Networks</td>
<td>3</td>
</tr>
<tr>
<td>CNT 4704</td>
<td>Analysis of Computer Communication Networks or</td>
<td>3</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems or</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4781</td>
<td>Computer Communication Networks</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None
Prerequisite Courses
- None
Required Courses (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
- SSE 4361 Social Science Instructional Analysis 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Restricted Electives
- None
Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op or internship credit cannot be used toward the minor.

Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Email: fifacult@ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None
Minor Requirements
- None
Prerequisite Courses
- None
Required Courses
- None
Restricted Electives (18 hrs)
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.
- Select six upper division courses in Spanish, including the following courses:
  - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
  - SPN 3760 Advanced Spanish Oral Communication 3 hrs
  - SPN 3420 Spanish Composition 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.
Minors

Sport Business Management (SPB): Business Majors - Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://web.bus.ucf.edu/sportbusiness/?page=1689
Dr. Scott Bukstein, Program Coordinator for SPB Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Business majors only. There are different curriculum and course requirements for Non-Business majors. Minor will only be awarded at the time of business degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
■ Completion of Common Program Prerequisites and Admission to a major within the College of Business Administration
Minor Requirements
■ None
Prerequisite Courses
■ None
Required Courses (12 hrs)
SPB 3003 Introduction to Sport Business Management 3 hrs
SPB 3603 Diversity and Social Issues in Sport Business Management 3 hrs
SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs
MAR 4711 Sport Marketing 3 hrs
Required Introductory Courses 10 hrs
SPB 3003 Introduction to Sport Business Management 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
MAR 3023 Marketing 4 hrs
Required Courses 9 hrs
SPB 3803 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
Required Introductory Courses 10 hrs
SPB 3003 Introduction to Sport Business Management 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
MAR 3023 Marketing 4 hrs
Required Courses 9 hrs
SPB 3803 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, except MAR 4711 which has MAR 3023 as a prerequisite.
■ Students must have sophomore, junior or senior standing to enroll in SPB 3003.
■ Students must earn a grade of a “C” (2.0) or better, 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): Non-Business Majors - Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://web.bus.ucf.edu/sportbusiness/?page=1689
Dr. Scott Bukstein, Program Coordinator for SPB Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Non-Business Majors only. There are different curriculum and course requirements for Business majors. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
■ None
Minor Requirements
■ None
Prerequisite Courses
■ None
Required Courses (19 hrs)
SPB 3003 Introduction to Sport Business Management 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
MAR 3023 Marketing 4 hrs
Required Courses 9 hrs
SPB 3803 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
Required Introductory Courses 10 hrs
SPB 3003 Introduction to Sport Business Management 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
MAR 3023 Marketing 4 hrs
Required Courses 9 hrs
SPB 3803 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
Required Introductory Courses 10 hrs
SPB 3003 Introduction to Sport Business Management 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
MAR 3023 Marketing 4 hrs
Required Courses 9 hrs
SPB 3803 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
■ 25

Other Requirements
■ SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor, except MAR 4711 which has MAR 3023 as a prerequisite. However, students may (but are not required to) take FIN 2100 and MAR 3023 before taking SPB 3003.
■ Students must have sophomore, junior or senior standing to enroll in SPB 3003.
■ Students must earn a grade of “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
■ Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
■ No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
■ Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
■ At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
■ A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.
Statistics - Minor
College of Sciences
Department of Statistics,
Technology Commons II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, david.nickerson@ucf.edu
Phone: 407-823-2289

Minor Admission Requirements
- The minor is not open to Statistics majors.

Minor Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs

Select 1: 3 hrs
- STA 2023 Statistical Methods I or 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives (9 hrs)
- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course CAN NOT be used as a restricted elective:
  STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
- A grade of “C” (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education and Human Performance.

Technological Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309
http://www.cei.ucf.edu
Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an opportunity to blend technical expertise with broad entrepreneurial thinking skills. This combination prepares students to create technology and business model innovations that enrich society and create wealth. This minor prepares students in engineering, science, and other technology disciplines to create, enhance and manage technology ventures, including projects developed within corporate settings.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs
- GEB 4152 Tech Innovation & Entrepreneurship 3 hrs

Select 1
- MAN 4802 New Venture and Small Business Management or 3 hrs
- EGN 4641C Engineering Entrepreneurship 3 hrs

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 Human Performance and does not lead to teacher certification or admission to the College of Education and Human Performance. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Must be Junior standing

Technical Education and Industry Training - Minor
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Email: jwhitema@mail.ucf.edu
Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu, 407-325-6293

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 Human Performance and does not lead to teacher certification or admission to the College of Education and Human Performance. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Must be Junior standing

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs
- ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
- ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- ECT 4004 Principles and Practices of Technical Education 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education and Human Performance.
Minors

### Required Courses (12 hrs)
- THE 2000 Theatre Survey 3 hrs
- THE 3006 Greece to Grease: Development of Theatre 3 hrs
- TPP 2101 Fundamentals of Acting 3 hrs
- TPA 2201 Technical Theatre Production 2 hrs
- TPA 2290L Theatre Participation-Production I 1 hr

### Restricted Electives (6 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the Theatre Department and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved by the Theatre Department Undergraduate Coordinator.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

#### Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students must consult departmental handbooks every semester.
- Students are encouraged to consult the theatre minor advisor with questions regarding course selection and electives.

### Urban and Regional Planning - Minor

#### College of Health and Public Affairs

#### School of Public Administration

**Health & Public Affairs II, Room: 238**

**Email: pa/ba/bs@ucf.edu**

Dr. Michael Abels

Phone: 407-823-2604

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (21 hrs)
- PAD 3330 Urban and Regional Planning 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4331 Land Use and Planning 3 hrs
- PAD 4334 Urban Design 3 hrs
- PAD 4253 Community & Economic Development 3 hrs
- PAD 4351 Issues in Environmental Program Management 3 hrs
- PAD 4803 Issues in Urban Administration 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

380 Undergraduate Catalog 2013-2014
Women's Studies - Minor

College of Arts and Humanities
Program in Women’s Studies, Colbourn Hall, Room: 118
http://womensstudies.cah.ucf.edu/

Email: womenst@ucf.edu

Dr. M.C. Santana, 407-823-6502
Phone: 407-823-6502

The Women's Studies minor provides students with an opportunity to learn about women’s historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from various departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women’s Studies Program.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- WST 3015 Introduction to Women's Studies 3 hrs

Select 3: (9 hrs)
- Select three courses from the Theories Group:
  - WST 3522 First and Second Wave Feminisms 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 3 hrs
  - LIT 4554 Advanced Feminist Theories or 3 hrs
  - PHM 3123 Feminist Theories 3 hrs

Restricted Electives (6 hrs)
- Students should complete at least one of their two elective courses from outside their major. Students may count additional courses from the Theories Group as electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

Women's Studies Disciplinary Approaches
- 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 4304 Women in China 3 hrs
- EUIH 4610 Women in European Society: From Medieval to Modern

Representations of Women
- AML 3263 Contemporary American Women's Fiction 3 hrs
- ARH 4771 Women in Art 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- FIL 3800C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3623 Hispanic 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 2722 Sexual Behavior 3 hrs

Women and Social Policy
- ANT 3302 Sex, Gender and Culture 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- INR 4085 Women, Gender, and Globalization 3 hrs
- PUP 3325 Women and Political Behavior 3 hrs
- PUP 4323 Women and Public Policy 3 hrs
- SYD 4810 Women in Contemporary Society 3 hrs
- SYD 4813 Women, Law and Social Change 3 hrs
- SYD 4100 Family Trends 3 hrs
- SYD 3800 Sex and Gender in Society 3 hrs

Foreign Language Requirements
- None

Undergraduate Catalog 2013-2014
Minors

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3333</td>
<td>World Comparative Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (15 hrs)
- Thematic Concentrations: Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor without permission of the Interdisciplinary Studies office.
- Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

Language and Culture
- Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.

Economics
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4702</td>
<td>Culture, Power and Development</td>
<td>3 hrs</td>
</tr>
<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>ECS 4013</td>
<td>Development Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 3300</td>
<td>Economics and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3700</td>
<td>Tourism Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4035</td>
<td>International Political Economy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Biological and Geophysical Environment
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3350</td>
<td>Foundations of Environmental Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 3302</td>
<td>Economics and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 4510</td>
<td>Environment and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4735</td>
<td>Tourism Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4451</td>
<td>International Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Introduction to Environmental Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 3042C</td>
<td>GIS for Environmental Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Social Structure and Change
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3273</td>
<td>Law and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4702</td>
<td>Culture, Power and Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4830</td>
<td>World Legal Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4454</td>
<td>Global Inequality and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Media and Communication
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 3846</td>
<td>World Cinema Traditions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4461</td>
<td>Intercultural Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4643</td>
<td>Cross Cultural Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4212</td>
<td>Global Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3842</td>
<td>International Cinema</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.

World Languages Education - English for Speakers of Other Languages (ESOL) - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership
Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235

World Languages Education - English for Speakers of Other Languages (ESOL) Education minor is intended for College of Education and Human Performance students in undergraduate initial certification programs. The World Languages Education - ESOL minor is intended for Education majors and is well suited for College of Education and Human Performance students majoring in secondary content areas. Students who successfully complete this minor can expect to increase their marketability in educational professions that serve English learners. This minor is designed to promote student success in Pre-K through 12 instructional settings but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Admission Requirements
- Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None

Required Courses (18 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDS 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>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4943</td>
<td>L2 Academic Language Instruction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4942</td>
<td>ESOL Field Experience</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4945</td>
<td>ESOL Clinical Experience</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None
The World Languages Education - Languages Other Than English (LOTE) minor is intended for non-World Languages Education - Languages Other Than English (LOTE) majors. It is well suited for College of Education and Human Performance students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education and Human Performance (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Minor Admission Requirements
- Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes. Students must complete 18 hrs of language courses as co-requisites. A grade of "C" (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Required Courses
- None

Restricted Electives
- None

Total Semester Hours Required
- 18

Other Requirements
- None

Writing and Rhetoric - Minor
College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn Hall, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Debbie Weaver, Program Advisor, deborah.weaver@ucf.edu, 407-823-0265

The Minor in Writing and Rhetoric will provide students with the in-depth study and practice of writing and rhetoric. The curriculum emphasizes civic, professional, and digital writing.

Minor Admission Requirements
Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

Minor Requirements
- Students should consult with a department advisor.
- Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

Prerequisite Courses
- None

Required Courses
- (3 hrs)
  Students should take core course as early in the program as possible.
  ENC 3331 Rhetoric and Civic Engagement

Restricted Electives
- (15 hrs)

Applications of Writing and Rhetoric
- (6 hrs)
  Students must take at least two courses from the following two groups. Students can take one course from each group or two courses from one of the groups.

Civic Rhetoric and Writing
  ENC 3311 Essay as Cultural Commentary
  ENC 3315 Argumentative Writing
  ENC 4353 Writing for Social Change
  ENC 3375 Rhetoric in Popular Culture
  ENC 4354 Writing with Communities and Nonprofits
  ENC 3372 Topics in Civic Rhetoric and Writing
  ENC 4378 Writing in Global and Transnational Contexts

Professional and Digital Writing
  ENC 3250 Professional Writing
  ENC 4212 Professional Editing
  ENC 3453 Writing About Health and Medicine
  ENC 3455 Writing about Science and Technology
  ENC 3454 Topics in Professional and Digital Writing
  ENC 3473 Writing in Disciplinary Cultures
  ENC 3351 Writing for Publication
  ENC 4416 Writing in Digital Environments
  ENC 3533 Marketing Your Writing
  ENC 3433 Multimedia Writing and Composition
  ENC 4275 Theory and Practice of Tutoring Writing

Additional Restricted Electives
- (6 hrs)
  Students must take at least 6 hours from the following:
  - Any 3000 or 4000 level ENC, LIN, or CRW course not used to satisfy another requirement of the minor.
Minors

- Any 3000 or 4000 level writing intensive course approved by the program director. See program director or advisor for list of approved courses.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must complete an electronic writing portfolio approved by the program director or advisor.
- Students must earn a minimum of a 2.5 GPA overall 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.
- At least 12 hours used to satisfy the minor must be taken from the Department of Writing and Rhetoric at UCF.
CERTIFICATES

Aging Studies - Certificate
College of Health and Public Affairs
School of Social Work,
Health & Public Affairs I, Room: 204
Email: socialwk@ucf.edu
Dr. Denise Gammonley
Phone: 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based 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)
- GET 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Required Internship: (Select one) 3 hrs
- SOW 4510 Field Education 9 hrs
- SOW 4941 Internship 9 hrs
- PSY 3951 Undergraduate Field Work 3 hrs
- SYP 4941 Internship 3 hrs

Restricted Electives (9 hrs)
- Students select three additional courses from the following courses: A maximum of two courses must be taken in the College of Health and Public Affairs and at least one course must be taken from other colleges.

College of Health and Public Affairs 6 hrs
- HSA 4220 Long Term 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 4545 Social Services for the Elderly 3 hrs
- SYP 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
- SYP 5007 Women and Healthy Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

Total Semester Hours Required
- 15

Behavioral Forensics - Certificate
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
Email: kmottare@ucf.edu
Dr. Karen Mottarella
Phone: 321-433-7982

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.

Prerequisite Courses (12 hrs)
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Take all of the following: 6 hrs
- Complete both:
  - PSY 2012 General Psychology and
  - SYG 2000 Introduction to Sociology

Take all of the following: 6 hrs
- Complete both classes:
  - PPE 3003 Personality Theory and Research and
  - SYP 3510 Sociology of Deviant Behavior

Required Courses (9 hrs)
- Complete both classes:
  - CLP 4390 Forensic Psychology
  - SOP 3751 Legal Aspects of Psychology
  - SYP 3520 Criminology

Restricted Electives (12 hrs)
- Note: It is the student’s responsibility to meet all prerequisites for every course selected.

Psychology: Select from the following: 3 hrs
- CLP 3143 Abnormal Psychology
- CLP 3302 Clinical Psychology
- CLP 4134 Childhood Psychopathology
- PCD 4029C Interviewing and Counseling

Sociology: Select from the following: 6 hrs
- SYP 3511 Sociology of Murder
- SYP 3530 Juvenile Delinquency
- SYP 3540 Sociology of Law
- SYP 3562 Patterns of Domestic Violence in Society

Note: It is the student’s responsibility to meet all prerequisites for every course selected.

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Certificates

Select 1: 9 hrs

Total Semester Hours Required

Foreign Language Requirements

- None

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 any 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

- 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 9 hrs
2 SOW 4941 Internship 9 hrs

1 (for full-time students ONLY)
2 (for part-time students over two semesters)

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

18

Other Requirements

- None


College of Health and Public Affairs

Department of Criminal Justice,
Health & Public Affairs I, Room: 311

Email: cjadvise@ucf.edu
R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects.

Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses

- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (9 hrs)

- 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.

Crime Scene Investigation - Certificate

College of Health and Public Affairs

College of Sciences

Department of Criminal Justice,
Health & Public Affairs I, Room: 311

Department of Anthropology, Phillips Hall, Room: 403
Dr. John Schultz, jschultz@ucf.edu, 407-823-2618
Mary Ann Eastep, cjadvise@ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor's case once offenders have been apprehended. The certificate program is a means of organizing information required to perform...
basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (12 hrs)
- Note: some courses have limited offerings, and should be taken when available.
- ANT 4183 Archaeological Sciences 3 hrs
- ANT 4521 Forensic Anthropology 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
- CJE 4610 Criminal Investigation 3 hrs

Restricted Electives (3 hrs)
- Select from the following courses:
  - ANT 3115 Archaeological Method and Theory 3 hrs
  - CCJ 4195 Interviews & Interrogations in CJ 3 hrs
  - CHS 3501 Introduction to Forensic Science 3 hrs
  - CJE 4630 Serial Murder and Criminal Justice 3 hrs
  - SYP 3511 Sociology of Murder 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- Course substitutions must be approved by both departments in advance.

Criminal Profiling - Certificate

Cultural Tourism - Certificate

Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom Building I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American 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 4726 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 Africana 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
Certificates

PUP 3203 Environmental Politics 3 hrs
PUP 3204 Sustainability 3 hrs
SYD 4510 Environment and Society 3 hrs

Latin American area (choose two classes)
ANT 3163 Mesoamerican Archaeology 3 hrs
ANT 3168 Maya Archaeology 3 hrs
ANT 4332 People and Cultures of Latin America 3 hrs
ANT 4340 Caribbean Cultures 3 hrs
ARH 4653 Meso American Art 3 hrs
CPO 4303 Comparative Latin American Politics 3 hrs
LAH 3400 History of Mexico and Central America 3 hrs
LAH 3470 History of the Caribbean 3 hrs
LAH 3130 Latin American History I 3 hrs
LAH 3200 Modern Latin America 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director.

Diplomacy - Certificate
College of Sciences
College of Arts and Humanities
Department of Political Science,
Howard Phillips Hall, Room: 302

Department of History, Colbourn Hall, Room: 551
http://politicalscience.cos.ucf.edu/
Dr. R. Handberg, Roger.Handberg@ucf.edu, 407-823-2608
Dr. J. Sacher, John.Sacher@ucf.edu, 407-823-5501

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)

INR 4030 Diplomacy 3 hrs
AMH 4513 United States as a Great Power: 1945-Present 3 hrs
INR 4102 American Foreign Policy 3 hrs

Restricted Electives (6 hrs)
Select two courses from the following list: 6 hrs

INR 4114 American Security Policy or 3 hrs
INR 4054 Global Politics of Energy or 3 hrs
INR 4074 Immigration Policy or 3 hrs
INR 4075 Human Rights Policy or 3 hrs
INR 4076 Global Drug Policy or 3 hrs
INR 4714 Politics of International Trade Policy or 3 hrs
INR 4104 Topics and Cases in American Foreign Policy or 3 hrs

INR 4351 International Environmental Law or 3 hrs
INR 4401 International Law or 3 hrs
INR 4502 International Organizations or 3 hrs
AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
EUH 4620 European Great Powers: 1815-1914 or 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.

Educational Studies - Certificate
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/edcert
Email: wwise@ucf.edu

Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Educational Studies certificate is intended to provide for students outside the College of Education and Human Performance a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education and Human Performance. An 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 4396 Programs in Teaching Social Science 3 hrs
LAE 4464 Survey of Adolescent Literature 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs
PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
At least 9 hours used in the certificate must be earned at UCF.
• No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
• Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.

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

Restricted Electives
• None

Foreign Language Requirements
• None

Total Semester Hours Required
• 12

Other Requirements
• None

Finance: Corporate Finance - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
• None

Certificate Requirements
• No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
• An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
• None

Required Courses (12 hrs)
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4941 Finance Internship 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs

Restricted Electives
• None

Foreign Language Requirements
• None

Total Semester Hours Required
• 12

Other Requirements
• None

Finance: Investments - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://www.bus.ucf.edu/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
• None

Certificate Requirements
• No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
• An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
• None

Required Courses (12 hrs)
- FIN 3504 Investment Analysis 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4941 Finance Internship 3 hrs

Restricted Electives
• None

Foreign Language Requirements
• None

Total Semester Hours Required
• 12

Other Requirements
• None

Health Communications - Certificate
College of Sciences
Nicholson School of Communication
Email: nassc@ucf.edu
Phone: 407-823-2681

The certificate in health communication has a dual focus: 1) It is designed to provide students in health-related fields training in facilitating health communication processes; 2) It allows communication students to demonstrate that they have conceptual and applied knowledge about the role of communication in health care.
Certificates

Admission Requirements
- None

Certificate Requirements
- Certificates will be awarded only at the time of degree completion.

Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as part of a student's GEP requirement, as general electives, or a student can enroll into courses with consent of instructor. Exceptions are identified below.

Required Courses (12 hrs)
- COM 3022 Health Communication 3 hrs
- COM 4550 Health Communication Campaigns 3 hrs
- MMC 2004 Mass Media 3 hrs
- PUR 4000 Public Relations 3 hrs

Restricted Electives (3 hrs)
Choose from the following:
- ANT 4408 Culture, Disease, and Healing 3 hrs
- ANT 4462 Medical Anthropology 3 hrs
- COM 3120 Organizational Communication 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- HSA 3012 Issues & Trends in Public Health 3 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- SPC 4540 Attitudes and Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No more than three credit hours from the Health Communication Certificate may be used to satisfy internal restricted electives of the Human Communication (formerly Interpersonal-Organizational) major.
- Communication majors must take their elective outside of the school of communication.

Judaic Studies - Certificate
College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu
Email: judaicst@ucf.edu
Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and 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 3481 20th Century Jewish History and Thought 3 hrs
- JST 3701 History of the Holocaust 3 hrs
- JST 3415 American Jewish History 3 hrs
- JST 3417 Sephardi Jews: History, Culture, and Folklore 3 hrs

Bible
- JST 3120 Hebrew Scriptures 3 hrs
- JST 3125 The Book of Job 3 hrs
- JST 3126 Romantic Love in the Bible 3 hrs
- JST 3144 Dead Sea Scrolls 3 hrs
- JST 3190 The Biblical Prophets 3 hrs
- JST 3424 Biblical Archaeology 3 hrs

Literature
- JST 3100 The Hebrew Creative Mind 3 hrs
- JST 3312 Identity and Genre 3 hrs
- JST 3751 Literature of the Holocaust 3 hrs
- JST 3803 The Israeli Experience in Short Stories 3 hrs

Jewish Civilization
- JST 3005 Tenets of Judaism 3 hrs
- JST 3121 Classic Texts of Judaism 3 hrs
- JST 3210 Kabbalah: Jewish Mysticism 3 hrs
- JST 3620 Contemporary Jewish Ethics and Morality 3 hrs

Culture
- JST 3450 Modern Jewish Experience 3 hrs
- JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
- JST 3820 Modern Israeli Culture 3 hrs
- JST 3551 The Holy and the Profane: The Introduction of Secularism into Modern Judaism 3 hrs
- JST 3550 Introduction of Modernism into Judaism 3 hrs
- JST 3821 Building a Nation - the Challenges to and Accomplishments of the State of Israel 3 hrs

Other courses, including special topics, with the approval of the Director

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- None

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Hebrew qualifies for Foreign Language requirement.

Language Development and Disorders - Certificate
College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health & Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis
Email: csdundergraduate@ucf.edu
TBD
Phone: 407-823-4798

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses,
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 (11 hrs)
- LIN 3716 Language Development 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- LIN 3713 Language Science 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 11

Other Requirements
- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses to complete the certificate.
- At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.

Leadership Studies - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom Building I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- Required Courses (11 hrs)
  - LIN 3716 Language Development 3 hrs
  - SPA 4400 Language Disorders Across the Life Span 3 hrs
  - LIN 3716L Language Development Lab 2 hrs
  - LIN 3713 Language Science 3 hrs
- Restricted Requirements 9 hrs
  - Choose one course from three of the areas below:
    - Communication 3 hrs
      - COM 3011C Communication and Human Relations or 3 hrs
      - COM 3120 Organizational Communication or 3 hrs
      - COM 4461 Intercultural Communication or 3 hrs
      - COM 4462 Conflict Management 3 hrs
  - Collaboration 3 hrs
    - INP 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
    - SPC 4426 Group Dynamics 3 hrs
  - Social Relations and Culture 3 hrs
    - ANT 3541 Biobehavioral Anthropology or 3 hrs
    - CLP 3143 Abnormal Psychology or 3 hrs
    - COM 4461 Intercultural Communication or 3 hrs
    - EXP 3304C Motivation or 3 hrs
    - SOP 3004C Social Psychology or 3 hrs
    - SOP 3723 Cross Cultural Psychology or 3 hrs
    - SOP 3742 Psychology of Women or 3 hrs
    - SOP 3784 Psychology of Diversity 3 hrs
  - Politics 3 hrs
    - PAD 3003 Public Administration in American Society or 3 hrs
    - PAD 4104 Administrative Theory or 3 hrs
    - PAD 4144 Nonprofit Organizations or 3 hrs
    - PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
    - POS 3413 The American Presidency or 3 hrs
    - POS 4206 Political Psychology or 3 hrs
    - PUP 3325 Women and Political Behavior 3 hrs
  - Ethics 3 hrs
    - BUL 3130 Legal and Ethical Environment of Business or 4 hrs
    - EDF 3601 Professional Ethics in Education or 3 hrs
    - PAD 3040 Ethics and Values in Public Administration or 3 hrs
    - PHI 2108 Critical Thinking or 3 hrs
    - PHI 3640 Environmental Ethics 3 hrs

Marketing: e-Marketing - Certificate
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- Required Courses (6 hrs)
  - MAR 4941 Marketing Internship 3 hrs
  - MAR 3721 Digital Media Marketing 3 hrs
  1 Internship in “e”-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.
Certificates

Marketing: Entertainment Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Required Courses (6 hrs)
- MAR 4715 Entertainment Marketing 3 hrs
- MAR 4941 Marketing Internship 3 hrs

Required Course
- Internship in entertainment-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Retailing Management - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4231 Retailing Management 3 hrs
- MAR 4941 Marketing Internship 3 hrs

Required Course
- Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Selling and Sales Management - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing Majors
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- MAR 3403 Sales Force Management 3 hrs
- MAR 4941 Marketing Internship 3 hrs

Required Course
- 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
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Healthcare Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4712 Healthcare Marketing 3 hrs
- MAR 4941 Marketing Internship 3 hrs

Required Course
- 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
Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4841 Services Marketing 3 hrs
- 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 elective marketing hours required for 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

Native American Studies - Certificate
College of Sciences
Department of Anthropology
http://anthropology.cos.ucf.edu
Email: antro@ucf.edu
Dr. Rosalyn Howard, 407-823-2227

The Departments of Anthropology, History, English, Political Science, and Latin American Studies offer courses that support this Certificate. Significantly, this Certificate will provide an alternative to students majoring in Anthropology who wish to focus on Native American Studies but who are precluded from taking the Minor in the North American Indian Studies Program since it is administered in the Department of Anthropology. This certificate program will expand the study of Native peoples who reside in other regions of the Americas currently not covered by the North American Indian Studies program. This Certificate is appropriate for all UCF undergraduates.

Certificates will be awarded only at the time of degree completion.

Admission Requirements
- None

Certificate Requirements
- A minimum overall 2.0 GPA is required in courses used to satisfy the requirement.
- At least 12 hours used toward the certificate must be earned at UCF within the participating departments.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the Anthropology Major course requirements.

Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (9 hrs)
- ANT 2000 General Anthropology 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Restricted Electives (6 hrs)
Choose from the following:
- AMH 3441 History of the Frontier: Eastern America 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- AML 3643 Contemporary Native American Prose and Poetry 3 hrs
- ANT 3152 Indians of the Southeast 3 hrs
- ANT 3158 Florida Archaeology 3 hrs
- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3164 Ancient Incas 3 hrs
- ANT 3165 Archaeology of South America 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 3311 Indians of the Southeastern United States 3 hrs
- ANT 3398 Black Seminole Relations 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs
- CPO 4794 Indigenous Politics and the Environment 3 hrs
- POS 3076 American Indian Politics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Course substitutions must be approved in advance by the Director of the Native American Studies Program.

Nonprofit Management - Certificate
College of Health and Public Affairs
School of Public Administration,
Health & Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm
Email: pa/ba/bs@ucf.edu
Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.
Certificates

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4144 Nonprofit Organizations 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs
- PAD 4153 Planning and Improvement for Public Organizations 3 hrs

Restricted Electives (3 hrs)
- See advisor for approved courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration

Public and Professional Writing - Certificate
College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn Hall, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Debbie Weaver, Program Advisor, deborah.weaver@ucf.edu, 407-823-0265

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

Certificate Admission Requirements

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all appropriate documentation.

Certificate Requirements
- Students should consult with a department advisor.
- Students cannot earn both the certificate in Public and Professional Writing and the minor in Writing and Rhetoric.

Prerequisite Courses
- None

Required Courses (6 hrs)
- ENC 3391 Rhetoric and Civic Engagement 3 hrs

Select 1:
- ENC 3250 Professional Writing 3 hrs
- ENC 3241 Writing for the Technical Professional or 3 hrs
- ENC 3211 Theory and Practice of Technical Writing 3 hrs

Restricted Electives (6 hrs)
Applicpations of Public and Professional Writing 3 hrs
- Students must take one of the following courses:
  - ENC 3311 Essay as Cultural Commentary 3 hrs
  - ENC 3315 Argumentative Writing 3 hrs
  - ENC 3355 Writing for Publication 3 hrs
  - ENC 4254 Writing with Communities and Nonprofits 3 hrs
  - ENC 4416 Writing in Digital Environments 3 hrs
  - ENC 4212 Professional Editing 3 hrs
  - ENC 3453 Writing About Health and Medicine 3 hrs
  - ENC 3455 Writing about Science and Technology 3 hrs
  - ENC 4353 Writing for Social Change 3 hrs
  - ENG 3833 Marketing Your Writing 3 hrs

Additional Restricted Elective 3 hrs
- Students must take one of the following courses:
  - Any 3000 or 4000 level ENC, LIN, or CRW course not used to satisfy another requirement of the certificate.
  - Any 3000 or 4000 level writing intensive course approved by the program director. See program director or advisor for list of approved courses.

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- Students must complete an electronic writing portfolio approved by the program director or advisor.
- Students must earn a minimum of a 2.5 GPA overall in coursework used to satisfy the certificate.
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- At least 6 hours used to satisfy the certificate must be taken from the Department of Writing and Rhetoric at UCF.

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 or 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 408). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None
Real Estate: Real Estate Appraisal - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate appraiser’s license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RRE 3043</td>
<td>Fundamentals of Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RRE 3433</td>
<td>Real Estate Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RRE 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>RRE 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

Real Estate: Real Estate Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RRE 3043</td>
<td>Fundamentals of Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RRE 3433</td>
<td>Real Estate Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RRE 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>RRE 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice,
Health & Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate prerequisites; however individual courses may have prerequisites.

Required Courses (12 hrs)
<table>
<thead>
<tr>
<th>Course</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 4943</td>
<td>Risk Management in Criminal Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4644</td>
<td>White Collar Crime</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)
Select one of the following:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJE 3444</td>
<td>Crime Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 3821</td>
<td>Practical Security Applications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCC 3316</td>
<td>Special Security Problems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4012</td>
<td>Terrorism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4013</td>
<td>Homeland Security and Criminal Justice</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
Service-Learning - Certificate
Office of Undergraduate Studies
Office of Experiential Learning,
Career Services and Experiential Learning, Suite 300
http://www.explearning.ucf.edu
A. Zeh, Amy.Zeh@ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on 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)
Four 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 all courses
■ Minimum of 60 community service hours in four (4) UCF-approved SL classes.

Substitute Teaching - Certificate
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/subteach
Email: wwise@ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. This certificate does not lead to teacher certification or admission to the College of Education and Human Performance. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students’ major programs. This certificate is available for students in the 2006 catalog year and beyond.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
EDF 2007 Introduction to Substitute Teaching 3 hrs
EDF 2250 Classroom Management for Substitute Teachers 3 hrs
EDG 2311 Teaching Strategies for Substitute Teachers 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 9

Other Requirements
■ A minimum GPA of 2.5 in all courses
■ No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
■ At least 6 hours used in the certificate must be earned at UCF.
■ Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education and Human Performance.

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)
TSL 3346 English as an International Language 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
ANT 3610 Language and Culture 3 hrs
TSL 4363 ESL Classroom Experiences 3 hrs

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://mil.cah.ucf.edu/
Email: flfacult@ucf.edu
Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

Certificate Admission Requirements
- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- SPT 3800 Spanish Translation and Interpretation 3 hrs
- SPT 3805 Spanish Translation and Interpretation for Mass Communication 3 hrs
- SPT 3809 Medical Spanish Translation/Interpretation 3 hrs
- SPT 3831 Spanish Legal Translation and Interpretation 3 hrs

Restricted Electives (6 hrs)
- SPN 3933 Spanish Across the Curriculum 1 hr
- SPN 4941 Internship 1 hr

Any upper division SPN or SPT course with advisor's approval

Foreign Language Requirements
- None

Total Semester Hours Required
- 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, Health & Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Mary Ann Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice and Legal Studies, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (9 hrs)
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs

Restricted Electives (6 hrs)
- CCJ 4681 Domestic Violence and the Justice System 3 hrs
- 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 4654 Juvenile Justice System 3 hrs
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
- CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Women’s Studies - Certificate
College of Arts and Humanities
Program in Women's Studies, Colbourn Hall, Room: 118
http://womensstudies.cah.ucf.edu/
Email: womenst@ucf.edu
Dr. M.C. Santana, 407-823-2269
Phone: 407-823-6502

The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- WST 3015 Introduction to Women's Studies 3 hrs
- Any upper division SPN or SPT course with advisor's approval

Restricted Electives (6 hrs)
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs

Total Semester Hours Required
- 18

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 certificate.
- Internship or Co-op credit cannot be used toward the certificate.
- No credit by exam (TSD, Military credit) may be used.
- Satisfactory completion of translation and interpretation exit exam.
ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

Aerospace Engineering - Accelerated
Undergraduate-Graduate Program (B.S.A.E / M.S.A.E. or M.S.M.E.)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering, Room: 307
http://www.mmae.ucf.edu
Email: 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 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 (51 hrs)
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP 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 4300 Aerothermodynamics of Propulsion Systems 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EAS 4200 Analysis & Design of Aerospace Structures 3 hrs
- EML 3217 Engineering Mechanics - Dynamics 3 hrs
- EML 4225 Introduction to Vibrations and Controls 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 4142 Heat Transfer 3 hrs

5. Restricted Electives (12 hrs)
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.
- Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 credit hours of Graduate level course work for technical elective credit.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1: 3 hrs
- EAS 4700C Aerospace Design I or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs

Select 1: 3 hrs
- EAS 4710C Aerospace Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- 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 MSAFE or MSME will be awarded on completion of the total program of study.
- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
Accelerated Undergraduate-Graduate Programs

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link
- http://www.graduatecatalog.ucf.edu/content/Courses.aspx

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Communication Sciences and Disorders -
Accelerated Undergraduate-Graduate Program
(B.A. or B.S. / M.A.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health & Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis/
Email: csdundergraduate@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 16 credit hours of graduate-level courses while completing the bachelor’s degree. This enables full-time students to achieve a master’s degree in one to two fewer semesters.

Admission Requirements
- Completion of at least 15 hours of undergraduate CSD coursework at UCF.
- 3.6 GPA or better in courses in the major.
- A highly competitive GRE score taken within the past 5 years.
- Completion of an application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a “B” or better for all 16 credit hours of graduate course work will be formally admitted into the master’s program in Communication Sciences and Disorders following receipt of the bachelor’s degree.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Prefer MGF 2106 Finite Mathematics (3 hrs)
   Select 1: STA 2023 or STA 2043 or STA 2024 or STA 2025 (3 hrs)

Select 1:
- STA 2023 or STA 2024 or STA 2025 (3 hrs)
- STA 2043 or STA 2044 or STA 2045 (3 hrs)

D: Social Foundations (6 hrs)
- Suggested STA 2023 or STA 2024 (3 hrs)

Select 1:
- STA 2023 or STA 2024 (3 hrs)

E: Scientific Foundations (6 hrs)
- Required PHY, CHM, or FSC course listed in GEP E.1 (3 hrs)
- Any BSC course listed in GEP E.2 or ANT 2511 (3 hrs)

2. Common Program Prerequisites (CPP)
   STA 2014C Principles of Statistics or GEP
   PSY 2012 General Psychology or GEP
   Any BSC course or ANT 2511 or GEP
   PHY, PSC or CHM or GEP

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (50 hrs)
   SPA 3471 Communication Disorders in Literature and Media (3 hrs)
   SPA 3101 Physiological Bases of Speech and Hearing (3 hrs)
   SPA 3112 Basic Phonetics (3 hrs)
   SPA 3112L Basic Phonetics Lab (1 hr)
   LIN 3716 Language Development (3 hrs)
   SPA 3011 Speech Science I: Production (3 hrs)
   SPA 3011L Speech Production Lab (1 hr)
   SPA 3104 Neural Bases of Communication (3 hrs)
   SPA 3123 Speech Science II: Perception (3 hrs)
   SPA 3123L Speech Perception Lab (1 hr)
   SPA 4032 Audiology (3 hrs)
   SPA 4326 Hearing Disorders Across the Lifespan (3 hrs)
   DEP 2004C Developmental Psychology (3 hrs)
   LIN 3716L Language Development Lab (2 hrs)
   LIN 3713 Language Science (3 hrs)

Select 1:
- STA 3703C Principles of Behavior Modification or (3 hrs)
- EEX 4601 Introduction to Behavior Management or (3 hrs)
- EEC 4604 Classroom Management and Guidance of Young Children or (3 hrs)
- EDF 3303 Learning Environments and Guidance for Young Children or (3 hrs)
- SPA 3472 Guidance of Young Children with Communication Disorders or (3 hrs)
- EEX 3450 Young Children With Special Needs (3 hrs)

Statistics Requirement (6 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
Accelerated Undergraduate-Graduate Programs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Electives
- Select 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum grade of "B" in all graduate courses.
- A minimum overall GPA of 3.0 in the courses used to satisfy the major.
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 120

Honors In Major
- Interested students should contact the undergraduate program coordinator.

Related Programs
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work
- Exceptional Student Education
- Early Childhood Education
- Physical Therapy

Certificates
- Language Development and Disorders

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Human Communication
- Linguistics
- Psychology
- Communication Sciences and Disorders

Advising Notes
- None

Transfer Notes
- "D" (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- (16 hrs)
  - SPA 6204 Articulation/Phonological Disorders 3 hrs
  - SPA 6410 Aphasia and Related Disorders 3 hrs
  - SPA 6496 Language Disorders in Children and Adolescents 6 hrs
  - SPA 6805 Research in Communicative Disorders 3 hrs
  - SPA 6551 Strategic Application of the Scientific Process in Clinical Practice 1 hr

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35 per term

Computer Engineering - Accelerated

Undergraduate-Graduate Program (B.S.P.E. / M.S.P.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,
Room: 439
http://www.eecs.ucf.edu
Email: eeece-grad@eecs.ucf.edu
Dr. Kalpathy Sundaram
Diana Camerino
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Computer Engineering major in the catalog for track GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

Computer Engineering: Basic Core
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 1006C Introduction to the Engineering Profession 1 hr

4. Core Requirements: Advanced Level (57 hrs)

Courses Required for the Engineering Core
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EGN 3558 Thermo-Fluids-Heat Transfer 3 hrs

Select 1:
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3558 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
Accelerated Undergraduate-Graduate Programs

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- (12 hrs)
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major.

Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 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 Corporation Engineering Center,
Room: 437
http://www.eecs.ucf.edu
Dr. Hassan Foroosh, foroosh@eecs.ucf.edu
Ronda Leigh, Ronda.Leigh@ucf.edu
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (39 hrs)
- See Computer Science major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (17 hrs)
- See Computer Science major in the catalog for the CPP requirements.

UCF 3003C Computer Science II 3 hrs
UCF 3330 Object Oriented Programming 3 hrs
UCF 4331C Processes for Object-Oriented Software Development 3 hrs

EEL 3004C 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 4768 Computer Architecture 3 hrs
EEL 4781 Computer Communication Networks 3 hrs
COP 4600 Operating Systems 3 hrs
EGN 3211 Engineering Analysis and Computation 3 hrs

5. Restricted Electives (9 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSPE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 152

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Information Technology
- Computer Science
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
Accelerated Undergraduate-Graduate Programs

3. Core Requirements: Basic Level (24 hrs)
   STA 2023  Statistical Methods I  GEP
   COP 3330  Object Oriented Programming  3 hrs
   COP 3502C  Computer Science I  3 hrs
   COP 3503C  Computer Science II  3 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 3380  Security in Computing  3 hrs
   COP 3402  Systems Software  3 hrs
   COP 3960  CS Foundation Exam  0 hrs

4. Core Requirements: Advanced Level (21 hrs)
   - A “C” (2.0) or better is required in all courses listed.
   - Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.
   - COP 4331C  Processes for Object-Oriented Software  3 hrs
   - Development
   - EEL 4768  Computer Architecture  3 hrs
   - COT 4210  Discrete Structures II  3 hrs
   - COP 4020  Programming Languages I  3 hrs
   - COP 4600  Operating Systems  3 hrs
   - COP 4934  Senior Design I  3 hrs
   - COP 4935  Senior Design II  3 hrs

5. Restricted Electives (15 hrs)
   5000 level Computer Science courses  9 hrs
   - 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 following courses.
   - No independent study hours, internship, or cooperative education hours are allowed.
   - MAC 2313  Calculus with Analytic Geometry III  4 hrs
   - MAP 2302  Ordinary Differential Equations I  3 hrs
   - MAS 3105  Matrix and Linear Algebra  4 hrs
   - MAS 3106  Linear Algebra  4 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives (4 hrs)
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Complete an exit survey

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 120

Total Combined Hours Required
- 138

Honors In Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oer.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439

http://www.eecs.ucf.edu

Email: eecpe-grad@eecs.ucf.edu
Dr. Kaipathy Sundaram
Diana Camerino
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None
1. UCF General Education Program (GEP) (38 hrs)
- See Electrical Engineering major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Electrical Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.

Engineering Core: Basic
EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)

Engineering Core: Advanced 9 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1: 3 hrs
EGN 3321 Engineering Analysis-Dynamics or
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 44 hrs
EEL 3004C Electrical Networks 3 hrs
EEL 3123C Networks and Systems 4 hrs
EEE 3350 Semiconductor Devices I 3 hrs
EEE 3307C Electronics I 4 hrs
EEE 3342C Digital Systems 3 hrs
EEE 3470 Electromagnetic Fields 3 hrs
EEE 3552C Analog and Digital Communication 4 hrs

Fundamentals
EEL 3657 Linear Control Systems 3 hrs
EEL 3801C Computer Organization 3 hrs
EEE 4309C Electronics II 4 hrs
EEL 4750 Digital Signal Processing Fundamentals 3 hrs
EEL 4742C Embedded Systems 4 hrs
EGN 3211 Engineering Analysis and Computation 3 hrs

5. Restricted Electives (10 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
EEL 4914 Senior Design I 3 hrs
EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major.
- Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term
Accelerated Undergraduate-Graduate Programs

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: Graduate program: hisgrad@ucf.edu
Email: Undergraduate program: history@ucf.edu
Dr. Peter Larson
Phone: 407-823-2224

This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master’s degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

Admission Requirements
■ Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
■ 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 course work to meet this requirement.
■ Students must complete a portfolio of 8-12 examples of graded, written work from UCF History classes.
■ The B.A. will be awarded after completion of 36 hours of history classes.
■ The M.A. will be awarded upon completion of the program.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)
■ See the History major in this catalog for track specific GEP requirements

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (6 hrs)
Select one of the following sequences of courses:
- EUH 2000 Western Civilization I and
  EUH 2001 Western Civilization II
  or
  WOH 2012 World Civilization I and
  WOH 2022 World Civilization II

4. Core Requirements: Advanced Level (3 hrs)
- HIS 4150 History and Historians

5. Restricted Electives (21 hrs)
■ (Must be taken within the History Department)
Select six hours of approved history courses within three of the four geographic regions:
■ Asian, African, and Middle Eastern
■ British and European
■ Latin American
■ U.S. and Canadian
Select three hours of approved history courses

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.
Accelerated Undergraduate-Graduate Programs

Industrial Engineering - Accelerated Undergraduate-Graduate Program (B.S.I.E. / M.S.I.E.)

College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Dr. William Thompson, 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 2 hrs
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

EIN 1002C Introduction to Industrial Engineering and Management Systems 1 hr
EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
EIN 3100C Introduction to Programming with C 3 hrs
EIN 3100 Engineering Analysis-Statics 3 hrs
EIN 3121 Engineering Analysis-Dynamics 3 hrs
EIN 3173 Principles of Electrical Engineering 3 hrs
EIN 3208 The Environment of Technical Organizations 3 hrs
STA 3032 Probability and Statistics for Engineers 1 hr
MAS 3105 Matrix and Linear Algebra 3 hrs
EIN 3114 Work Analysis and Design 3 hrs
EIN 3151 Engineering Economic Analysis and Cost 3 hrs
EIN 4211 Empirical Methods for Industrial Engineering 3 hrs
EIN 4234 Quality Engineering 3 hrs
EIN 4243C Human Engineering 3 hrs
EIN 4333 Production and Distribution Systems 3 hrs
EIN 4364 Facilities Planning 3 hrs

4. Core Requirements: Advanced Level (59 hrs)
- Graduate courses used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A “C” (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI or STA. A “B” (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.

EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
EIN 3100C Introduction to Programming with C 3 hrs
EIN 3100 Engineering Analysis-Statics 3 hrs
EIN 3121 Engineering Analysis-Dynamics 3 hrs
EIN 3173 Principles of Electrical Engineering 3 hrs
EIN 3208 The Environment of Technical Organizations 3 hrs
STA 3032 Probability and Statistics for Engineers 1 hr
MAS 3105 Matrix and Linear Algebra 3 hrs
EIN 3114 Work Analysis and Design 3 hrs
EIN 3151 Engineering Economic Analysis and Cost 3 hrs
EIN 4211 Empirical Methods for Industrial Engineering 3 hrs
EIN 4234 Quality Engineering 3 hrs
EIN 4243C Human Engineering 3 hrs
EIN 4333 Production and Distribution Systems 3 hrs
EIN 4364 Facilities Planning 3 hrs
Accelerated Undergraduate-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 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. The 5000 level courses listed in the plan above are examples. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

Graduate Courses Link
- 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: $38 per term
- Full-Time Student: $77 per term

Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E. or M.S.A.E.)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering, Engineering I, Room: 307
http://www.mmae.ucf.edu
Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Mechanical Engineering major in the Catalog for track specific GEP requirements

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Mechanical Engineering major in the Catalog for CPP requirements.
3. Core Requirements: Basic Level (2 hrs)
  - EGN 1006C Introduction to the Engineering Profession 1 hr
  - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)
  - EGN 3310 Engineering Analysis-Statics 3 hrs
  - EGN 3343 Thermodynamics 3 hrs
  - EGN 3355 Structure and Properties of Materials 3 hrs
  - EGN 3373 Principles of Electrical Engineering 3 hrs
  - STA 3032 Probability and Statistics for Engineers GEP
  - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
  - EML 3303C Mechanical Engineering Measurements 3 hrs
  - EGM 3601 Solid Mechanics 3 hrs
  - EML 3701 Fluid Mechanics I 3 hrs
  - EML 4142 Heat Transfer 3 hrs
  - EML 3217 Engineering Mechanics - Dynamics 3 hrs
  - EML 4225 Introduction to Vibrations and Controls 3 hrs
  - EML 3500 Design and Analysis of Machine Components 3 hrs

Select 2 of the Following: 6 hrs
  - EML 3101 Thermodynamics of Mechanical Systems or Controls or 3 hrs
  - EML 4143 Heat Transfer II or Intermediate System Dynamics and Controls or 3 hrs
  - EML 4703 Fluid Mechanics II or 3 hrs
  - EML 4504 Design & Analysis of Machine Components II 3 hrs

Select 1 of the Following: 3 hrs
  - EML 4301C Mechanical Systems Lab or 3 hrs
  - EML 4306C Energy Systems Lab or 3 hrs

5. Restricted Electives

  Approved Electives 18 hrs
  - Technical electives should be taken at the 5000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements

  - None

7. Foreign Language Requirements

  Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
  - None

  Graduation
  - None

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: 3 hrs
  - EML 4501C Engineering Design I or 3 hrs
  - EGN 4412C Interdisciplinary Design I 3 hrs

Select 1: 3 hrs
  - EML 4502C Engineering Design II or 3 hrs
  - EGN 4413C Interdisciplinary Design II 3 hrs

12. University Minimum Exit Requirements

  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF.
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

  - 128

Total Combined Hours Required

  - 146

Honors In Major

  - None

Related Programs

  - None

Certificates

  - None

Related Minors

  - None

Advising Notes

  - The following will be waived for this joint degree program:
    - The limit of nine hours to be shared between undergraduate and graduate programs.
    - Undergraduate students taking graduate courses must be within nine hours of graduation
    - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
    - Undergraduate students are not eligible to take 6000-level courses

Career and Academic Advising

  - The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

    EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs
    EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs

Transfer Notes

  - None

Acceptable Substitutes for Transfer Courses

  - None

Shared Courses

  - Shared B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E. Up to 12 credit hours of approved 5000 and 6000 level courses with grades of “B” (3.0) or better may be counted towards the B.S. and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link

  - http://www.graduatecatalog.ucf.edu/content/Courses.aspx

Program Academic Learning Compacts

  - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

    http://www.oesas.ucf.edu/al/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

Email: ucnurse@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
- Selected applicants will be invited to a mandatory personal interview session
- Applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline. This includes 3 courses from Group A and the remainder from Groups A or B.

Group A
- grade of C (2.0) or better
- Microbiology with Lab
- Anatomy with Lab
- Physiology with Lab (or A&P I, II)

Group B
- grade of C (2.0) or better
- Sociology or
- Psychology
- Developmental Psychology
- Human Nutrition
- Statistics

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
- UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP)
   A: Communication Foundations
   B: Cultural & Historical Foundations
   C: Mathematical Foundations
   D: Social Foundations
   E: Science Foundations
   2. Common Program Prerequisites (CPP) (27 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.
- Select 1:
  - STA 2014C Principles of Statistics or
  - STA 2023 Statistical Methods I

- Select 1:
  - SOW 3104 Assessing I: Human Development or
  - SYG 2000 Introduction to Sociology

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
- NUR 3065L Health Assessment Lab
- NUR 3825 The Role of the Professional Nurse
- NUR 3028 Essentials of Nursing Practice
- NUR 3028L Essentials of Nursing Practice Lab
- NUR 3755L Essentials of Nursing Practice Clinical
- NUR 3634 Community Health Nursing
- NUR 3634L Community Health Nursing Clinical
- NUR 3125 Pathophysiology for Nursing Practice
- NUR 3145 Pharmacology for Nursing Practice
- NUR 3225 Nursing Care of the Adult I
- NUR 3225L Nursing Care of the Adult I: Clinical Practice
- NUR 3445L Nursing Care of Families Clinical
- NUR 3445 Nursing Care of Families
- NUR 3167 Accelerated Nursing Research Seminar
- NUR 4227 Nursing Care of the Adult II
- NUR 4227L Nursing Care of the Adult II: Clinical Practice

1 or other approved Science
NUR 4829  Accelerated Transitioning into Professional Practice as a Leader  3 hrs
NUR 4257  Introduction to Critical Care Nursing  3 hrs
NUR 4945L  Nursing Practicum  4 hrs
NUR 4535  Psychiatric Mental Health Nursing  3 hrs
NUR 4535L  Psychiatric Mental Health Clinical  2 hrs
NUR 4687  Public Health Nursing  2 hrs
NUR 4687L  Public Health Nursing Clinical  1 hr

1 Students without a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives  (3 hrs)
Nursing Elective  3 hrs
- Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- None
Graduation
- None

8. Electives
- None

9. Additional Requirements
- Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program.
- Complete all courses in major with at least a “C” (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- UCF GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 57

Honors in Major
- University Honors and Honors in the Major Available
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
- Health Services Administration
- Social Work

Certificates
- None

Related Minors
- Aging Studies
- Psychology
- Health Sciences
- Health Services Administration

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032 or any other approved chemistry course (3 hrs) or approved science course (3 hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094 or (BSC X085/X086). This is a biological science prerequisite. (6-8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
- Developmental Psychology (DEP 2004C) or any Human Growth & Development Across Life Span (3 hrs)
- Human Nutrition with Therapeutic Nutrition (3 hrs)

Shared Courses
- None

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to M.S.N. Option (B.S.N./M.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/

Email: ucfnurse@ucf.edu
Dr. Stephen Heglund, RN to MSN Coordinator
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program for students who hold an RN license and meet general education requirements, nursing pre-requisites, and required GPA. All courses are available online. Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nurse Educator. Nine (9) graduate credit hours may be applied to meet requirements of both BSN and MSN programs.

Admission Requirements
- Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at http://www.nursing.ucf.edu for application materials.
All applicants must meet the following criteria:
- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida College System institution.
- Completion of prerequisites for the RN to BSN nursing program
**Accelerated Undergraduate-Graduate Programs**

- Minimum cumulative GPA of 3.0 (all prior college coursework)
- Admitted to UCF undergraduate program

**Interim Requirements:**
- Maintain a Nursing GPA of 3.0

**Admission Requirements for Graduate**

**Program Phase:**
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies website for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements.
- The MSN is awarded after 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)

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>ENC 1101 Composition I or SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 2004C Microbiology for Health Professionals</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1032 General Chemistry</td>
<td>GEP</td>
</tr>
<tr>
<td>ZOO 3733C Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 3011 Human Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 3104 Assessing I: Human Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DEP 2004C Developmental Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012 General Psychology</td>
<td>GEP</td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td>GEP</td>
</tr>
</tbody>
</table>

1. Or other approved science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.
2. May take Anatomy and Physiology sequence of six-eight total credits.
3. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3805 Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3165 Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3634 Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837 Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4604L Practicum in Community and Public Health Nursing for RNs</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4637 Public Health Nursing</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

**NURSE EDUCATOR / CLINICAL NURSE LEADER TRACKS**

- Take the following 12 credits (nine graduate credits also applied to MSN)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NGR 5003 Advanced Health Assessment and Diagnostic Reasoning and Advanced Health Assessment and Diagnostic Reasoning (Lab)</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NGR 5003L Advanced Health Assessment and Diagnostic Reasoning and Advanced Health Assessment and Diagnostic Reasoning (Lab)</td>
<td>1 hr</td>
</tr>
<tr>
<td>NGR 5141 Pathophysiological Bases for Advanced Nursing Practice and Pathophysiological Bases for Advanced Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NGR 4828 Nursing Leadership, Management and Role Transition and Nursing Leadership, Management and Role Transition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NGR 5800 Theory for Advanced Practice Nursing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**NURSING LEADERSHIP & MANAGEMENT TRACK**

- Takes the following 12 credits (nine graduate credits also applied to MSN)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NGR 5720 Organizational Dynamics and Health Care Informatics and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NGR 5800 Theory for Advanced Practice Nursing and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3906 Health Assessment and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L Health Assessment Lab</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

#### Upper Division Credit

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3028 Essentials of Nursing Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028L Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3225 Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L Nursing Care of the Adult I: Clinical Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445 Nursing Care of Families</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3445L Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3755L Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4227 Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L Nursing Care of the Adult II: Clinical Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535 Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

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1 One of these courses is required to meet General Education requirements.
2 Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is needed as a course prerequisite for Nutrition (HUN 3011)
6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).
   Graduation
   - None

8. Electives
   - Variable to meet degree requirements.

9. Additional Requirements
   - A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Completion of all courses in major with a grade of “B” (3.0) or better
    - Cumulative GPA of 2.5 or above
    - College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 120

Honors In Major
- Contact CON HIM Advisor or Program Coordinator

Related Programs
- Health Services Administration
- Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

The University offers five specialized degree programs for students who have graduated from a Florida College System institution with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the state-wide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice) from a Florida public community or state college.

2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 Florida College System institution A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.

3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.

4. Students should select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

5. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.

6. Students with an Associate in Applied Science (A.A.S.) degree are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access program in Nursing or programs that require specific grades in particular courses for admission. Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites.

Students are still required to complete all of the components of the Gordon Rule prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. To earn a bachelor’s degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Director of Advising 407-823-5949, or the Director of Transfer and Transition Services, 407-823-2231.

Applied Science B.A.S. (A.S. to B.A.S.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies.
12201 Research Parkway, Suite 101
http://www.regionalcampuses.ucf.edu/
TBA, Regional Campuses Administration, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making. Candidates for this program must have earned a statewide articulated A.S. from a Florida College System institution in Fall 2000 or later. Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida 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 choose to complete their general education at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. If students wish to take an upper division course at the main Orlando campus, they should see a Regional Campus Advisor under this agreement.

Admission Requirements
- Completion of an A.S. degree from a Florida College System institution in Fall 2000 or later including at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Degree Requirements
- Students must earn 42 semester hours of upper level credit.
- Students who change degree programs and select this major must adopt the most current catalog.

Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including Gordon Rule, Foreign Language Admission, and General Education.

1. UCF General Education Program (GEP) (36 hrs)
   - Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:
     A: Communication Foundations (9 hrs)
     B: Cultural & Historical Foundations (9 hrs)
     C: Mathematical Foundations (6 hrs)
     D: Social Foundations (6 hrs)
     E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level (10 hrs)
   - MAN 3025: Management of Organizations 4 hrs
   - Select 1:
     - BUL 3130: Legal and Ethical Environment of Business 4 hrs
     - PLA 3014: Law and the Legal System 3 hrs

   - ENC 3241: Writing for the Technical Professional or 3 hrs
   - ENC 3250: Professional Writing 3 hrs

4. Core Requirements: Advanced Level
   - None

5. Restricted Electives
   - Area of Concentration (Choose one)
   - All tracks are not available at all locations.

Supervision and Administration Track 19 hrs
Take all of the following: 19 hrs
   - INP 3004: Industrial/Organizational Psychology and 3 hrs
   - MAR 3023: Marketing and 4 hrs
   - MAN 3302: Essentials of Human Resource 3 hrs
   - MAN 3354: Management for Non-Business Majors and 3 hrs
   - ACG 3082: Accounting For Non-Business Majors and 3 hrs

Restrict Elective (Consult with Program Advisor) 3 hrs
Statewide Articulated A.S. To B.S. Programs

6. Capstone Requirements
- Select 4: 12 hrs
  - Legal Studies Track: 18 hrs
    - PLA 3014: Law and the Legal System (3 hrs)
    - PLA 3108: Legal Research (3 hrs)
  - Health Services Administration: 18 hrs
    - HSA 4180: Organization & Management for Health Agencies (3 hrs)
    - HSA 4191: Health Care Automation (3 hrs)
  - Select 1: 3 hrs
  - Select 2: 6 hrs

Legal Studies Track: 18 hrs
- Take all of the following: 6 hrs
  - PLA 3014: Law and the Legal System (3 hrs)
  - PLA 3108: Legal Research (3 hrs)

Select 4: 12 hrs
- PLA 3155: Legal Writing or 3 hrs
- PLA 3205: Civil Practice and Procedure or 3 hrs
- PLA 3277: The Law of Torts or 3 hrs
- PLA 3309: Criminal Procedure or 3 hrs
- PLA 4424: The Law of Contracts or 3 hrs
- PLA 4703: Professional Ethics and Liability (3 hrs)

Health Services Administration: 18 hrs
- Take all of the following: 15 hrs
  - HSA 4111: U.S. Health Care Systems and Agencies (3 hrs)
  - HSC 4201: Community Health and (3 hrs)
  - HSA 4180: Organization & Management for Health Agencies I and (3 hrs)
  - HSA 4191: Health Care Automation and (3 hrs)
- Select 1: 3 hrs
  - HSC 4652: Health Law and Ethics or (3 hrs)
  - HSA 4109: Principles of Managed Care or (3 hrs)
  - HSA 4702: Health Research Methods or (3 hrs)
  - HIM 4509: Quality Management (3 hrs)

Information Technology Track: 21 hrs
- Requirements for the track: An A.S. degree in computer technology, computer related field or at a minimum an A.S. degree and at least 3 different computer technology courses from computer applications, computer networking, computer programming, internet technologies or equivalent experience or education. The track has a computer programming course prerequisite or equivalent experience or C.I. Acceptable courses include C, C++, C#, Visual Basic, Java, or equivalent, or C.I.

Take all of the following: 21 hrs
- CET 3383: Applied Systems Analysis I and (3 hrs)
- CET 4427: Applied Database I and (3 hrs)
- ETI 4448: Applied Project Management and (3 hrs)
- CET 4748: Wide Area Networks I and (3 hrs)
- CET 4749: Wide Area Networks II and (3 hrs)
- CET 4663: Computer and Network Security and (3 hrs)
- CET 4483: Intro to Local Area Network Technology (3 hrs)

Software Development Track: 21 hrs
- Requirements for the track: An A.S. degree in Computer Programming and Analysis (CP&A), or at a minimum an A.S. degree and at least 3 programming courses (an intro and 2 courses in the same language in sequence) and a database course.

Take all of the following: 21 hrs
- COP 3330: Object Oriented Programming and (3 hrs)
- CEN 3034: Software Development I and (3 hrs)
- CEN 4025: Software Development II and (3 hrs)
- CEN 4910: Software Development Project and (3 hrs)
- ETI 4448: Applied Project Management and (3 hrs)
- CEN 4802: Software Integration, Configuration, and Testing and (3 hrs)
- CEN 4333: Advanced Database Development (3 hrs)

6. Capstone Requirements
- None
Statewide Articulated A.S. To B.S. Programs

Criminal Justice - A.S. to B.S. Track (B.S.)

College of Health and Public Affairs
Department of Criminal Justice,
Health & Public Affairs I, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@mail.ucf.edu

Mary Ann Eastep
Phone: 407-823-2603

students who have a statewide articulated A.S. from a Florida College System institution)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida College System institution.
- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
     A: Communication Foundations
     B: Cultural & Historical Foundations
     C: Mathematical Foundations
     D: Social Foundations
     E: Science Foundations

2. Common Program Prerequisites (CPP)
   - Completed as part of the approved A.S. program
   - See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (21 hrs)
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 3014 Crime in America 3 hrs
   - CJL 3510 Prosecution and Adjudication 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. Restricted Electives (27 hrs)
   - 24 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

Additional Requirements
- None

Electives
- None

Required Minors
- None

Department Exit Requirements
- Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 130

Honors In Major
- None

Related Programs
- Legal Studies
- 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 College System institution.

Admission Requirements
- Completion of a Statewide Articulated A.S. in Business Administration from a Florida College System institution which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

Degree Requirements
- Must complete all Gordon Rule requirements prior to admission to this degree.

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- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied toward the major.

1. UCF General Education Program (GEP) (12 hrs)
- Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:

A: Communication Foundations
- Prefer SPC 1608 Fundamentals of Oral Communication

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
EAD 2013 Principles of Macroeconomics 3 hrs
EAD 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:

- Students must complete both MAC 2233 and STA 2023 with a “C” (2.0) or better to be waived from ECO 3401.

ECO 3401 Quantitative Business Tools I 3 hrs
or
MAC 2233 Concepts of Calculus and 3 hrs
STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (44 hrs)

Core Classes 32 hrs
- First or subsequent semester in the College of Business Administration:

BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
1 GEB 3031 Cornerstone: Professional Skills 3 hrs
Business
2 GEB 3031L Cornerstone Lab: Professional Skills 1 hr
Business
1 45 hrs
2 Must be taken with GEB 3031

Second Level Core Requirements 12 hrs
- Students must take the following four (4) courses:

ECP 4703 Managerial Economics 3 hrs
FIN 3303 Financial Markets 3 hrs
MAN 3301 Management of Human Resources 3 hrs
MAR 3503 Consumer Behavior 3 hrs

5. Restricted Electives (12 hrs)
- 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 3 hrs
Business
2 GEB 3031L Cornerstone Lab: Professional Skills 1 hr
Business
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
- None
8. Electives
- Must be outside of the College of Business (variable)

9. Additional Requirements
- None
10. Required Minors
- None
11. Departmental Exit Requirements
- None
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 132

Honors In Major
- None
Related Programs
- None
Certificates
- None
Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- 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
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
Statewide Articulated A.S. To B.S. Programs

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.

- ACG X001 and X011 will substitute for ACG 2021 at UCF

Acceptable Substitutes for Transfer Courses

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Hospitality Management - A.S. to B.S. Track (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
Email: hospitality@mail.ucf.edu
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements

- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study

Degree Requirements

- 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.

3. Core Requirements: Basic Level (3 hrs)

Select 1: 3 hrs

- CGS 2100C Computer Fundamentals for Business or 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

4. Core Requirements: Advanced Level (27 hrs)

Hospitality Management Core

- HFT 3353 Golf Planning & Operations I 3 hrs
- HFT 3354 Agronomy for Golf Course Management 3 hrs
- HFT 3355 Golf Planning & Operations II 3 hrs
- HFT 3357 Golf & Club Event Operations 3 hrs
- HFT 3384 Golf and Club Enterprises Management 3 hrs
- HFT 3654 Franchising in the Restaurant Industry 3 hrs
- HFT 3741 Meeting Management 3 hrs
- HFT 3798 Fairs and Festivals 3 hrs
- HFT 3868 History and Culture of Wine 3 hrs
- HFT 4253 Advanced Lodging Operations 3 hrs
- HFT 4266 Hospitality Brand Management 3 hrs
- HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
- HFT 4343 Hospitality Facilities Management 3 hrs
- HFT 4358 Golf & Club Facility Design 3 hrs
- HFT 4432 Hospitality Industry Auditing 3 hrs
- HFT 4473 Hospitality 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 4564 Risk Management in Theme Parks and Attractions 3 hrs
- HFT 4725 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 Airliner Industry 3 hrs
- HFT 4766 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

5. Restricted Electives (15 hrs)

- Students must take 15 credit hours (five courses) from the following:

Select 1: 3 hrs

- CS 2100C Computer Fundamentals for Business or 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

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Specialized Tracks 15 hrs

- Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

**Theme Park and Attraction Mgmt Track 15 hrs**
- HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry or 3 hrs
- HFT 4759 Product Development in Theme Parks and Attractions or 3 hrs
- HFT 4614 Risk Management in Theme Parks and Attractions or 3 hrs
- HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry or 3 hrs
- HFT 4778 Operational Issues in the Theme Park and Attraction Industry or 3 hrs
- HFT 4795 Entertainment Arts and Events 3 hrs

**Gold 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, and nine hours of Summer credit.

Total Semester Hours Required
- 124

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Florida College System students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- 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 may be substituted with: ACG X001
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs 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.oeas.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
Email: ucfnurse@ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
Dr. Stephen Heglund, RN-BSN Coordinator
Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college.(12/2000 or later)

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
  - A minimum overall undergraduate GPA of 2.8
  - Completion of a Statewide Articulated AS in Nursing from a Florida College System institution which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida College System or State University System institution should follow section “B” - RN to BSN Program
  - Current RN License

Degree Requirements
- Completion of all common program prerequisite courses with at least a grade of “C” (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution and should usually be completed in the first 60 hours
- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program
- UCF Residency Requirement: 32 hours

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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. Students 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 College System institution should complete those courses prior to their last 30 hours at UCF.

A: Communication Foundations  (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1098 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations  (9 hrs)
- Prefer MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations  (6 hrs)
- Prefer MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

D: Social Foundations  (6 hrs)
- Required SYG 2000 Introduction to Sociology 3 hrs
- Required PSY 2012 General Psychology 3 hrs

E: Science Foundations  (7 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required SPC 1098 Fundamentals of Oral Communication 3 hrs

2. Common Program Prerequisites (CPP)  (18 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1. UCF General Education Program (GEP)  (36 hrs)
   - CHM 1032 General Chemistry GEP
   - HUN 3011 Human Nutrition 3 hrs
   - MCB 2004C Microbiology for Health Professionals 4 hrs
   - PCB 2004C Microbiology for Health Professionals 4 hrs
   - ZOO 3733C Human Anatomy 4 hrs

Select 1:
   1. STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

Select 1:
   2. SYG 2000 Introduction to Sociology or SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology 3 hrs

Select 1:
   3. SYG 2000 Introduction to Sociology or SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology 3 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level  (54 hrs)
   UCF Core  27 hrs
   - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assessment Lab 1 hr
   - NUR 3165 Nursing Research 3 hrs
   - NUR 3634 Community Health Nursing 3 hrs
   - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   - NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
   - NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
   - NUR 4637 Public Health Nursing 2 hrs
   - NUR 3125 Pathophysiology for Nursing Practice 3 hrs

   Upper Division Credit  27 hrs
   - May be met by validation and RN License
   - NUR 3028 Essentials of Nursing Practice 2 hrs
   - NUR 3028L Essentials of Nursing Practice Lab 1 hr
   - NUR 3755 Essentials of Nursing Practice Clinical 2 hrs
   - NUR 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
   - NUR 3225 Nursing Care of the Adult I 3 hrs

5. Restricted Electives  (3 hrs)
   - NSP/NUR/NGR XXXX Any one upper division nursing elective

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.
   Graduation
   - None

8. Electives
   - variable to meet degree requirements

9. Additional Requirements
   - A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.
   - Complete all courses in major with at least a “C” (2.0) or better.
   - 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 Florida College System or State University System institution; 3) complete Nursing prerequisites; and 4) complete foreign language admission requirement.

Other:
   - Selected Courses may be offered at regional campuses.
   - The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

10. Required Minors
   - None

11. Departmental Exit Requirements
    - Completion of all courses in major with a grade of “C” (2.0) or better
    - Cumulative overall GPA of 2.5 or above
    - College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required  128
Honors In Major
- Contact Program Coordinator or HIM Advisor

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (30 hrs)
- assuming general education, foreign language and nursing prerequisites are complete

Junior Year - Fall
NUR 3805  Dimensions of Professional Nursing  3 hrs
NUR 3065  Health Assessment  2 hrs
NUR 3065L  Health Assessment Lab  1 hr

Junior Year - Spring
NUR 3165  Nursing Research  3 hrs
NUR 3634  Community Health Nursing  3 hrs

Junior Year - Summer
NUR 4837  Health Care Issues, Policy, and Economics  3 hrs
NUR/NSP XXXX Nursing Elective  3 hrs

Senior Year - Fall
NUR 4628  Nursing Leadership, Management and Role Transition  3 hrs
NUR/NSP XXXX Nursing Elective  3 hrs

Senior Year - Spring
NUR 4604L  Practicum in Community and Public Health Nursing for RNs  4 hrs
NUR 4637  Public Health Nursing  2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oead.ucf.edu/placement/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
COMMON COURSE NUMBERING SYSTEM

Classification of Courses
The University course numbering system is as follows:

0-0999. Subcollegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and seniors.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor's and master's programs) should check with their adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

Florida's Statewide Course Numbering System
Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 25 participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. 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 number are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in Exception to the General Rule for Equivalency.

For example, a freshman composition skills course is offered by 59 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 that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a Florida College System institution. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

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<table>
<thead>
<tr>
<th>Example of Course Identifier</th>
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<tbody>
<tr>
<td><strong>Prefix</strong></td>
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<tr>
<td>ENC</td>
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<tr>
<td>English Composition</td>
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UNIVERSITY OF CENTRAL FLORIDA
Common Course Numbering System

Exceptions to the General Rule for Equivalency
Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer equivalencies. 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 courses need evidence of achievement (i.e., portfolio, audition, interview, etc.).
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.

Courses at Nonregionally Accredited Institutions
The SCNS makes available on its home page (http://scns.fldoe.org) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to the Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816. Special reports and technical information may be requested by calling the SCNS office at 850-245-0427 or at http://scns.fldoe.org.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>MHI</td>
<td>Mathematics - History and Foundations</td>
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<td>XHW</td>
<td>Xhosa Literature (Disc.)-See ANS</td>
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<tr>
<td>YOR</td>
<td>Yoruba Language</td>
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<tr>
<td>YOT</td>
<td>Yoruba Culture in Translation or Translation Skills</td>
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</tbody>
</table>
Common Course Numbering System

Courses Numbered 0-999

Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses

In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

Special Course | Undergraduate | Graduate
---|---|---
Directed Independent Studies | 1906, 2905, 3905, 4906 | 5907
Directed Independent Research | 4912 | 5917
Special Undergraduate Research | IDS 3913, 4914 | 5944
Special Topics/Seminars | 1931, 2930, 3930, 4932, 5933 | 5944
*Internship, Practicum, Clinical Pract | 3940, 4941 | 5944
Cooperative Education | 1949, 2949, 3949, 4949 | 5949
Honors Undergraduate Thesis | 3970H, 4970H | 5951
Honors Directed Reading | 4903H | 5953
Honors Directed Reading | 4904H | 5957
Study Abroad | 4955 | 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.

†The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their respective deans.

‡Enrollment is limited to those students who are fully admitted to the Graduate Program.

§Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.
Example: ART 2500C CAH-SVAD 3(2,4)
ART 2500C is offered by the College of Arts and Humanities (CAH), in the School of Visual Arts & Design (SVAD), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

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, OPT = Optics, RCHM = Rosen College of Hospitality Management, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

<table>
<thead>
<tr>
<th>College/School/Department</th>
<th>Department</th>
<th>Abbreviation</th>
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<tbody>
<tr>
<td>BA</td>
<td>Accounting</td>
<td>ACCT</td>
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<td>BA</td>
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<td>Philosophy</td>
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<td>Child, Family &amp; Comm Sciences</td>
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<td>Educational &amp; Human Sciences</td>
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<td>ED</td>
<td>Teaching, Learning &amp; Leadership</td>
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<td>HPA</td>
<td>Communication Sciences &amp; Disorders</td>
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<tr>
<td>OPT</td>
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<tr>
<td>RCHM</td>
<td>Foodservice &amp; Lodging Mgmt</td>
<td>FOOD&amp;LOG</td>
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<td>RCHM</td>
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<td>HSP SERV</td>
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<td>RCHM</td>
<td>Tourism, Events &amp; Attractions</td>
<td>TEA</td>
</tr>
<tr>
<td>UGST</td>
<td>Undergrad/Interdisc Studies</td>
<td>INTERDIS</td>
</tr>
</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA
UCF Courses and Descriptions

Finding a Course in this List: The UCF courses in this section are listed alphabetically by prefix. Consult the "Common Course Numbering System" section of the Undergraduate Catalog for additional information.

Availability of Courses: The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at https://my.ucf.edu for those courses offered each semester/term. At the end of each course description information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

ACG 2021
BA-ACCT
3(3,0)
Principles of Financial Accounting: PR: Sophomore standing and MAC 1105C with a "C" (2.0) or better. Nature of accounting, financial statements; the accounting cycle, assets, current liabilities, long-term debt, and owner’s equity; accounting for proprietorships and corporations. Fall, Spring.

ACG 2021H
BA-ACCT
3(3,0)
Honors Principles of Financial Accounting: PR: MAC 1105C with a "C" (2.0) or better, and consent of Honors. Same as ACG 2021 with honors level content. Occasional.

ACG 2071
BA-ACCT
3(3,0)
Principles of Managerial Accounting: PR: ACG 2021 and MAC 1105C, each with a "C" (2.0) or better. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

ACG 3082
BA-ACCT
3(3,0)
Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

ACG 3131
BA-ACCT
3(3,0)
Intermediate Financial Accounting I: PR: Accounting major or minor, ACG 3131 and CGS 2100C, each with a grade of "C" (2.0) or better. Theory and practice of using accounting information for management, planning, and control as well as in costing, and pricing decisions. Fall, Spring.

ACG 3361
BA-ACCT
3(3,0)
Cost Accounting I: PR: Junior standing, Accounting major or minor, and MAC 1105C, ECO 2013, or ECO 2023. ACG 2071, each with a grade of "C" (2.0) or better. Theories of cost accounting, and applications to decision making and control. Fall, Spring.

ACG 3501
BA-ACCT
3(3,0)
Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of "C" (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit operations. Fall, Spring.

ACG 4252
BA-ACCT
3(3,0)
International Financial and Managerial Accounting: PR: Accounting major or minor, ACG 2021, ACG 2071, each with a "C" (2.0) or better. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. Occasional.

ACG 4284
BA-ACCT
3(3,0)
Financial Reporting for Consolidated Entities: PR: ACG 3141 with a "C" (2.0) or better. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. Occasional.

ACG 4401C
BA-ACCT
3(3,1)
Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and COS 2100C, each with a grade of "C" (2.0) or better. Manual and computer-based accounting information systems. Fall, Spring.

ACG 4461
BA-ACCT
3(3,0)
Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C, each with a grade of "C" (2.0) or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

ACG 4671
BA-ACCT
3(3,0)
Internal Auditing: PR: Accounting major or minor, ACG 3131 and ACG 3361, with a "C" (2.0) or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 4803
BA-ACCT
3(3,0)
Advanced Issues in Financial Accounting: PR: Accounting major and "C" (2.0) or better in ACG 3141, ACG 3361, and ACG 3361. Advanced issues in financial accounting, including consolidations and IFRS. Fall, Spring.

ADE 4382
ED-EHHS
3(3,0)
Teaching Adult Learners in Technical Programs: PR: ECT 3365 or C.I. Planning for and teaching of adult learners in formal and informal technical settings. Fall.

ADV 3008
COS-COMM
3(3,0)
Principles of Advertising: PR: SPC 1608, or SPC 1603C, or COM 1000. Overview of the field of advertising; purposes, techniques, the role of agencies, advertisers and the media. Fall, Spring.

ADV 3912
COS-COMM
3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, artistic and philosophical ideas on 20th century American society. Occasional.

AFA 3371
CAH-AAS
3(3,0)
Evolution of Hip Hop: PR: ENC 1102 or C.I. An historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. Occasional.

AFA 3420
CAH-AAS
3(3,0)
Malcolm X, Black Nationalism, and Internationalism: PR: ENC 1102 or C.I. Comprehensive analysis of the sociopolitical thought of Malcolm X and its impact on African political struggles. Fall.

AFA 3955
CAH-AAS
6(6,0)
Study Abroad in Eastern Caribbean: PR: ENC 1102 or C.I. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. Occasional.

AFA 4105
CAH-AAS
3(3,0)

AFA 4242
CAH-AAS
3(3,0)

AFA 5930
CAH-AAS
3(3,0)
Topics in African American Studies: PR: Graduate standing or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on contemporary African American society. Occasional.

AFH 3100
CAH-HIST
3(3,0)
African History to 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.

AFH 3200
CAH-HIST
3(3,0)

AFH 5259
CAH-HIST
3(3,0)
Colloquium in African History: PR: Graduate standing or C.I. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. Odd Fall.

AFH 5806
CAH-HIST
3(3,0)
The Historiography of Slavery in Africa: PR: Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.
AMH 2010H CAH-HIST 3(3,0) U.S. History: 1492-1877: Survey of U.S. History from 1492-1877, Fall, Spring.

AMH 2020 CAH-HIST 3(3,0) U.S. History: 1877-Present: Survey of U.S. History from 1877 to the present. May be taken before AMH 2010, Fall, Spring.

AMH 2020H CAH-HIST 3(3,0) Honors U.S. History: 1877-Present: Permission of Honors and AMH 2010 or C.I. Survey of U.S. History from 1877 to the present. May be taken before AMH 2010, honors-level credit, Fall, Spring.

AMH 3370 CAH-HIST 3(3,0) American Economic History: PR: AMH 2010 and AMH 2020, or C.I. An introduction to the economic development of the U.S., with emphasis on agriculture, labor, industrialization, transportation, and banking. Occasional.

AMH 3402 CAH-HIST 3(3,0) History of the South to 1865: PR: AMH 2010 or AMH 2020 or C.I. Development of the southern colonies, beginning sectionalism, the cotton economy, and slavery. Civil War and its aftermath. Occasional.

AMH 3403 CAH-HIST 3(3,0) History of the South since 1865: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, the "solid South" and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.


AMH 4513 CAH-HIST 3(3,0) United States as a Great Power: 1945-Present: PR: AMH 2020 or C.J. U.S. diplomacy from World War II to the present. Occasional.

AMH 4573 CAH-HIST 3(3,0) Black Militancy in the 20th Century: PR: AMH 2010 and AMH 2020 or C.J. The rise and development of black militant organizations and how these groups have been influenced by hostile foreign entities. Occasional.


AMH 4680 CAH-HIST 3(3,0) Women in American Science: PR: AMH 2020 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: 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 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 discussion of the literature 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 the literature 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. Introduces the historiography of technology's role in historical events, and society's role in shaping technology. Occasional.

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 5592 CAH-HIST 3(3,0) Colloquium in U.S. Military History: PR: Graduate standing or senior standing or C.I. Readings in selected topics in United States military history. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

AMH 5937 CAH-HIST 3(3,0) AP American History: PR: Graduate standing or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. Occasional.

AML 3031 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.

AML 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 Tawn to present. Fall, Spring.

AML 3283 CAH-ENG 3(3,0) Contemporary American Women's Fiction: PR: Grade of C (2.0) or better required in ENC 1102. Examines how novels and short stories by contemporary U.S. women define identity from diverse woman-centered and feminist perspectives. Occasional.

AML 3286 CAH-ENG 3(3,0) Early American Women's Words: PR: ENC 1102. Women's writings in the Americas from the 17th century through the mid-19th century. Occasional.

AML 3613 CAH-ENG 3(3,0) Narratives of Slavery: PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of New World slavery in the past and the present. Occasional.

AML 3614 CAH-ENG 3(3,0) Topics in African-American Literature: PR: Grade of C (2.0) or better required in ENC 1102. Literature by and about African-American culture in the United States. May be repeated for credit. Occasional.

AML 3615 CAH-ENG 3(3,0) Harlem, Haiti, and Havana: PR: Grade of C (2.0) or better required in ENC 1102. A comparative approach to African American and Caribbean writers, sensing literary, art styles, historical contexts, and themes such as nationalism, popular music, and folk religion. Occasional.
AML 5156 CAH-ENG 3(3,0) Modern American Poetry: PR: Graduate status or senior standing or C.I. Study of trends, modes, major figures (Eliot, Pound, T.S. Lawrence, Stevens, Hart Crane, Moore, W.C. Williams, etc.) within the Modernist movement in American poetry. Occasional.

ANG 5100 COS-ANTHRO 3(3,0) Archeological Sciences: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Field and laboratory methods and theory in archaeology and forensic archeology, including instrumentation. Occasional.

ANG 5166 COS-ANTHRO 3(3,0) Problems in Maya Studies: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. In-depth study of current methodological, theoretical, and topical problems in Maya Studies. Occasional.

ANG 5156 COS-ANTHRO 3(3,0) Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.

ANG 5191 COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, as well as comparative study of mortuary ritual-ancient and modern. Occasional.

ANG 5228 COS-ANTHRO 3(3,0) Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography reflected in art, artifacts, and constructed features. Odd Spring.

ANG 5272 COS-ANTHRO 3(3,0) Culture, Power and Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Theoretical and contemporary ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective. Occasional.

ANG 5301 COS-ANTHRO 3(3,0) Anthropology of Turism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 5307 COS-ANTHRO 3(3,0) Peoples and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonization, race relations, peoples, social change, and modernization. Occasional.

ANG 5341 COS-ANTHRO 3(3,0) Caribbean Cultures: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Historical and contemporary overview of the societes and cultures of the Caribbean region, including effects of colonization by the Dutch, Spanish, British, and French. Occasional.

ANG 5486 COS-ANTHRO 3(3,0) Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. Even Fall.

ANG 5531 COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: One course in Social Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANG 5620 COS-ANTHRO 3(3,0) Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on cross-cultural issues that affect cultural competency. Occasional.

ANG 5622 COS-ANTHRO 3(3,0) Language, Culture and Pedagogy: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Linguistic and cultural issues in the learning needs of students from culturally diverse populations. Occasional.

ANG 5738 COS-ANTHRO 3(3,0) Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. An introduction to ethnography of medical traditions and anthropological approaches to the study of health and disease. Occasional.

ANG 5742 COS-ANTHRO 3(3,0) Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Even Spring.

ANG 5822 COS-ANTHRO 3(3,0) Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary infeld research in the Maya area. Spring.

ANT 2024 COS-ANTHRO 3(3,0) General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Anthropology. Fall, Spring.


ANT 2140 COS-ANTHRO 3(3,0) Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3,0) Cultural Anthropology: An introduction to human diversity as exemplified among various cultures and ethnic groups. Fall, Spring.

ANT 2511 COS-ANTHRO 3(3,0) The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.

ANT 2511H COS-ANTHRO 3(3,0) Honors The Human Species: PR: Permission of Honors. Human biological variation in an evolutionary perspective. Fall.

ANT 2511L Physical Anthropology Lab: PR: or C.R. ANT 2511 or C.I. General overview of physical anthropology laboratory methods. Fall, Spring.

ANT 3026 COS-ANTHRO 3(3,0) Mummies, Zombies, and Vampires: Anthropology of the Undead: PR: Either ANT 2000, ANT 2511, or C.I. Anthropological exploration into the phenomenon of the undead (namely, zombies, vampires and mummies) and our fascination with this subject. Occasional.

ANT 3106 COS-ANTHRO 3(3,0) Archaeology and Popular Culture: PR: ANT 2000 or C.I. How the ancient past and archaeological appear in popular culture and are manipulated and used by modern societies. Occasional.

ANT 3115 COS-ANTHRO 3(3,0) Archaeological Method and Theory: PR: or CR: ANT 2140 or C.I. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Fall.

ANT 3142 COS-ANTHRO 3(3,0) Old World Prehistory: PR: Sophomore Standing. A comparative study of prehistory in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. Fall.

ANT 3145 COS-ANTHRO 3(3,0) Archaeology of Complex Societies: PR: ANT 2140 or C.I. Theoretical perspectives on ancient hierarchies of power. Fall, Spring.

ANT 3148 COS-ANTHRO 3(3,0) Life and Death in Ancient Egypt: PR: Any 2000 level Anthropology course. Use of anthropology and physical anthropology to explore the lives and death of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Spring.

ANT 3152 COS-ANTHRO 3(3,0) Indians of the Southwest: PR: ANT 2000 or ANT 2140, or C.I. Native American culture types of the southwestern United States (Anasazi, Pueblo, Zuni, Hopi, Tewa), Apache, Lipan, Mescalero), and Desert Tradition (Pima, Papago, Havasupai). Occasional.

ANT 3158 COS-ANTHRO 3(3,0) Florida Archaeology: PR: ANT 2000 or ANT 2140 or C.I. Florida prehistory from Paleo-indian to European contact including archaeological periods, cultural areas, sites, and artifacts. Spring.

ANT 3160 COS-ANTHRO 3(3,0) Americas Before Columbus: PR: ANT 2000 or ANT 2140, or C.I. Archaeological developments of North, Central, and South America from the hominid’s initial peopling through the advent of European cultures. Occasional.

ANT 3161 COS-ANTHRO 3(3,0) Archaeology of Mexico: PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec, Toltec) as well as lesser known archaeological cultures. Occasional.

ANT 3163 COS-ANTHRO 3(3,0) Mesoamerican Archaeology: PR: Sophomore standing. An introduction to the prehistory of Mexico. Guatemala and upper Central America from earliest times through the Spanish conquest. Fall.

ANT 3164 COS-ANTHRO 3(3,0) Ancient Incas: PR: Sophomore standing, or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. Spring.

ANT 3165 COS-ANTHRO 3(3,0) Archaeology of South America: PR: ANT 2000 or ANT 2140, or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. Occasional.

ANT 3168 COS-ANTHRO 3(3,0) Maya Archaeology: PR: Sophomore standing. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 3173 COS-ANTHRO 3(3,0) Archaeology of Sex: PR: Sophomore standing, Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an archaeological perspective. Spring.


ANT 3241 COS-ANTHRO 3(3,0) Magic, Ritual, and Belief: PR: Sophomore standing. Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. Fall, Spring.

ANT 3245 COS-ANTHRO 3(3,0) Native American Religions: PR: Sophomore standing. The religious beliefs of native New World peoples. Fall, Spring.

Antropological courses and descriptions:

- **ANT 3273** COS-ANTHRO (3.0)
  - Law and Culture: PR: or CR: ANT 2000 or C.I.
  - An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.

- **ANT 3302** COS-ANTHRO (3.0)
  - Sex, Gender and Culture: PR: Sophomore standing.
  - The traditional and changing roles of women and men viewed in a cross-cultural perspective. Fall, Spring.

- **ANT 3311** COS-ANTHRO (3.0)
  - Indians of the Southeastern United States: PR: or CR: One of the following: ANT 2000, ANT 2140, or C.I.

- **ANT 3312** COS-ANTHRO (3.0)
  - Ethnology of North American Indians: PR: or CR: One of the following: ANT 2000, ANT 2140, or C.I.
  - A survey of the aboriginal cultures of North America, with emphasis on the pre-contact cultural condition. Occasional.

- **ANT 3313** COS-ANTHRO (3.0)
  - Indians of North America High Plains: PR: or CR: One of the following: ANT 2000, ANT 2140, or C.I.

- **ANT 3319** COS-ANTHRO (3.0)
  - Anthropology of Diaspora: PR: Sophomore standing.

- **ANT 3330** COS-ANTHRO (3.0)
  - Cultural Ecology of Amazonia: PR: Any 2000 level social science course or C.I.
  - The cultural ecology and geographic distribution. Primate, including their morphology, ecology, behavior, and geographic distribution. Occasional.

- **ANT 3360** COS-ANTHRO (3.0)
  - Language and Culture: PR: Sophomore standing.
  - The study of a language in a S.Y. western setting: language and behavior, language and perception. Fall, Spring.

- **ANT 3701** COS-ANTHRO (3.0)
  - Applied Anthropology: PR: ANT 2000 or ANT 2410 or C.I.
  - Application of anthropological methods to current human problems such as the environment, migration, globalization and health. Even Fall.

- **ANT 3943** COS-ANTHRO (3.0)
  - Caribbean Archaeology Practicum: PR: Previous fieldwork is preferred, and C.I. Field archaeology by participating in field schools at prehistoric Lucayan sites on Eleuthera and/or Inagua Islands. May be used in the degree program a maximum of 2 times. Occasional.

- **ANT 3949** COS-ANTHRO (0.8)
  - Cooperative Education in Anthropology: PR: Departmental permission required before registering. Cooperative education experience in anthropology. Graded SU. May be repeated. Occasional.

- **ANT 4013** COS-ANTHRO (3.0)
  - Anthropological Perspectives on Fast Food: PR: ANT 2000 or ANT 2410 or C.I.
  - Anthropological research on corporate fast food in diverse cultural settings. Occasional.

- **ANT 4027** COS-ANTHRO (3.0)
  - Mummies, Life After Death: PR: Either ANT 2000 or ANT 2140, or C.I.
  - Cultural practices and beliefs surrounding death; the concerns cultures and humans have had throughout the ages about the body’s decay after life, and their attempts to prevent decay and preserve bodies in a state as near to life as possible. Occasional.

- **ANT 4034** COS-ANTHRO (3.0)
  - History of Anthropological Thought: PR: ANT 2410 or C.I.
  - The exploration of the intellectual foundations of modern anthropology. Fall, Spring.

- **ANT 4153** COS-ANTHRO (3.0)
  - North American Archaeology: PR: or CR: One of the following: ANT 2000, ANT 2140, or C.I.
  - The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Spring.

- **ANT 4180C** Seminar in Laboratory Analysis: PR: or CR: ANT 2000 or ANT 2140 or C.I.
  - The processing of archaeological finds from excavation through publication. May be repeated for credit. Spring.

- **ANT 4183** COS-ANTHRO (3.0)
  - Archaeological Sciences: PR: One of the following: ANT 2511, ANT 2140, CHS 3501, any 4000 level Criminal Justice course, or C.I.
  - Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

- **ANT 4184** COS-ANTHRO (3.0)
  - Mortuary Archaeology: PR: ANT 2000, ANT 2140, or ANT 2511 or C.I.
  - Archaeological interpretations of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Odd Spring.

- **ANT 4266** COS-ANTHRO (3.0)
  - Consumption and exchange. Examinations of the traditional and changing roles of women and men. Fall.

- **ANT 4300** COS-ANTHRO (3.0)
  - Anthropology of Tourism: PR: ANT 2000, or SYG 2000, PSY 2012 or C.I.
  - Social theory of tourism; anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

- **ANT 4322** COS-ANTHRO (3.0)
  - People and Cultures of Latin America: PR: One of the following: ANT 2000, SYG 2000, PSY 2012, or C.I.
  - History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. Odd Fall.

- **ANT 4340** COS-ANTHRO (3.0)

- **ANT 4352** (3.0)
  - African Societies and Cultures: PR: ANT 2000 or SYG 2000 or C.I.
  - Anthropological survey of Africa examining the social, cultural, and economic diversity of the continent over time. Even Fall.

- **ANT 4408** COS-ANTHRO (3.0)
  - Culture, Disease, and Healing: PR: One of the following: ANT 2000, ANT 2410, ANT 2511, or C.I.
  - The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. Spring.

- **ANT 4462** COS-ANTHRO (3.0)
  - Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I.
  - The field of medical anthropology. Topics will include theories, methods, and applications. Fall.

- **ANT 4467** COS-ANTHRO (3.0)
  - Nutritional Anthropology: PR: One 2000 level course in biological sciences and one 2000 level course in biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives from cross-cultural, ecological and evolutionary. Occasional.

- **ANT 4516** COS-ANTHRO (3.0)
  - Human Biological Diversity: PR: ANT 2511 or BSC 2010C or C.I. Human biological variation and adaptation. Spring.

- **ANT 4521** COS-ANTHRO (3.0)
  - Forensic Anthropology: PR: One of the following: ANT 2000, ANT 2511, or ANT 2410, or C.I. The study of human skeletal remains in relation to a legal context. Fall.

- **ANT 4525C** COS-ANTHRO (4.1)
  - Human Osteology: PR: One of the following: ANT 2512, ZOO 3715, ZOO 3733, or C.I.
  - The scientific study of the human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall.

- **ANT 4560** COS-ANTHRO (3.0)

- **ANT 4586C** COS-ANTHRO (2.1)
  - Human Origins: PR: ANT 2511 or C.I. The fossil evidence for human evolution from Miocene hominoids through Australopithecus and the earliest members of the genus Homo. Fall, Spring.

- **ANT 4702** COS-ANTHRO (3.0)
  - Culture, Power and Development: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I.
  - Comparative perspective on origins and contemporary ramifications of underdevelopment and disenchantment in the world system. Occasional.

- **ANT 4802** COS-ANTHRO (3.0)
  - Students admitted only with permission of instructor. Supervised ethnographic fieldwork. Spring.

- **APK 3132** ED-CFCF (3.0)
  - Triathlon Training and Performance: PR: PEM 2104 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and improving health. Occasional.

- **ANT 3468** COS-ANTHRO (3.0)
ARC 4323L Cahi-Cahi 3(3,0) Architectural Design 8: CR: ARC 3232L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

ARC 4220 Cahi-Cahi 3(3,0) Architectural Theory 2: CR: ARC 4222L. Investigates the theoretical, historical and ideological ideas in architecture that took shape during the early decades of the twentieth century. Odd Fall.

ARC 4222L Cahi-Cahi 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 4232L Cahi-Cahi 6(0,9) Architectural Design 9: CR: ARC 3232L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

ARC 4620 Cahi-Cahi 3(3,0) Environmental Technology 2: CR: ARC 4622L. PR: ARC 3610 or C.I. Fundamentals of architectural lighting, acoustics, energy, power distribution and building communications. Odd Fall.

ARE 2000 ED-CCCS 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 3935 Cahi-SVAD 12(0,12) Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

ARE 3944 Cahi-SVAD 3(2,3) Community Arts Practicum: PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. Occasional.

ARE 4250 ED-TL&L 3(3,0) Art for Exceptionalities: PR: Admission to the College of Education and Human Performance, Art Education Program or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental exceptionalities. Spring.

ARE 4260 Cahi-SVAD 3(3,0) Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administrating art programs for a variety of populations. Occasional.

ARE 4313 ED-TL&L 1(1,0) Art in the Elementary School: PR: EDF 2005; CR: MUE 3210, HLP 4720, RED 4519, MAE 4326, and EDE 3942. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of selected art experiences. Fall, Spring. M&S fee $5.00

ARE 4351 ED-TL&L 3(3,0) Teaching Art in the Elementary School: PR: EDG 4410 and EDF 4467. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee $5.00

ARE 4352 ED-TL&L 3(2,1) Teaching Art in the Secondary School: PR: EDF 4467 and EDG 4410. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring. M&S fee $5.00

ARE 4356 ED-TL&L 3(3,1) Teaching Art Appreciation & Criticism in the Classroom: PR: ARH 2505 and ARH 2507. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall. M&S fee $5.00

ARE 4453 ED-TL&L 3(3,0) Studio Experiences in Art Education: PR: Admission into the College of Education and Human Performance, Art Education Program required or C.I. Materials available for instruction in public schools will be analyzed in depth in relation to their appropriateness and productive qualities. May be used in the degree program a maximum of 3 times. Spring. M&S fee $5.00


ARE 5255 ED-TL&L 3(2,1) Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. Occasional.

ARE 5359 ED-TL&L 4(4,0) Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and utilize art learning for students K-12. Occasional. M&S fee $5.00

ARE 5454 ED-TL&L 4(4,0) Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $5.00

ARE 5648 ED-TL&L 3(3,0) Contemporary Visual Arts Education: PR: Graduate standing or C.I. Continued study of current programs and innovations in public school Visual Arts Programs. Occasional.

ARH 2050 CAH-SVAD 3(3,0) History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Fall.

ARH 2050H CAH-SVAD 3(3,0) Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-SVAD 3(3,0) History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Spring.

ARH 2051H CAH-SVAD 3(3,0) Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-SVAD 3(3,0) History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3471 CAH-SVAD 3(3,0) Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520 CAH-SVAD 3(3,0) African Art: PR: Junior status. ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.

ARH 3610 CAH-SVAD 3(3,0) Art in the Ancient Near East: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art from 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.
ART 3321C CAH-SVAD 3(2,4)

ART 3332C CAH-SVAD 3(2,4)

ART 3433C CAH-SVAD 3(2,4)

ART 3504C CAH-SVAD 3(2,4)
Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Reinforces and extends methods and materials content of ART 2500C, and deals with issues of figurative painting. Fall, Even Spring. M&S fee $15.00

ART 3616C CAH-SVAD 3(3,0)
Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. Occasional. M&S fee $15.00

ART 3618 CAH-SVAD 3(3,0)

ART 3643C CAH-SVAD 3(2,4)
Digital Effects & Compositing: PR: DIG 3950 and elective Character Animation specialization, or ART 3950 and DIG 4780C and declared Experimental Animation specialization. Special effects and compositing for computer animation and film, focusing on the use of After Effects, Premiere and Photoshop or comparable software. Fall.

ART 3709C CAH-SVAD 3(2,4)

ART 3707C CAH-SVAD 3(2,4)

ART 3761C CAH-SVAD 3(2,4)

ART 3764C CAH-SVAD 3(2,4)
Ceramic Handbuilding I: PR: Junior Standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee $35.00

ART 3833C CAH-SVAD 3(4,2)
Processes and Ideas in Art: PR: Junior Standing. This course emphasizes the development of individual creativity and the generation of new insights concerning artistic expression. These "formative activities" must be manifested by students in the form of small sculptures and/or other forms of creativity. Occasional.

ART 3833C CAH-SVAD 3(2,4)
Honors Processes and Ideas in Art: PR: Junior Standing and Consent of Honors. Generation of new insights concerning artistic expression. These "formative activities" must be manifested by students in the form of small sculptures and/or other forms of creativity. Occasional.

ART 3950 CAH-SVAD 0(0,0)
Continuation of clinical practicum under direct supervision of a certified athletic trainer. Emergency care, bloodborne pathogens, rehabilitation and prevention. Injuries II: Recognition and evaluation of injuries associated with sport and fitness. SPRING.


Botany: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Historical and modern uses of plants economically important in various cultures. SPRING. BSC 2010C. The prevention, identification, care, and rehabilitation of human injuries. FALL, SPRING.

Plant Kingdom: PR: BOT 3002 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 $15.00.

Botany: PR: A "C" (2.0) or better in PCB 3023 or C.I. A survey of plants used by people to cope with the environment. OCCASIONAL. BOT 3012. A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. FALL, SPRING.

General Zoology: PR: BSC 2010C, MCB 3025C 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. M&S fee $42.00.

Medicinal Botany: PR: PCB 3522 or a "C" (2.0) or better in PCB 3523, 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.

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.

Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. FALL, SPRING. BSC 1005L. The laboratory to accompany BSC 1005. FALL, SPRING. M&S fee $15.00.

Biology and Environment: Biological implications of the interaction among human society, population, and organism functions in relation to the environment and natural systems. Designed for non-majors. FALL, SPRING.

Biological Principles: PR: A "C" (2.0) or better in BSC 2010C or C.I. Preference will be given to students whose program requires this course. Continuation of BSC 2010C. Organismal anatomy and physiology as it relates to biodiversity, ecology and evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. FALL, SPRING. M&S fee $2.00.
BSC 3312 COS-BIOL 3(3,0) Principles of Marine Biology: PR: A minimum grade of C (2.0) in both MCB 2023 and BSC 2010C. Provides students with a foundation in the field of marine biology using a global perspective. Even Fall.

BSC 3403C COM&M&M 4(3,4) Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which introduces modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $59.00

BSC 3403C COM&M&M 4(3,4) Honors Quantitative Biological Methods: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3424 COM&M&M 3(0,0) Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2046C. Biological processes in nano scale interactions with elements of physics & engineering. Occasional.

BSC 3843L COS-BIOL 2(0,2) Strategies for Biology Academic Mentoring: PR: Junior standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining websites, and methodologies for determining which tool is best suited for a particular application environment. Occasional.

BSC 3949 COM-BIOL 0(0,8) Cooperative Education in Biology: PR: Departmental permission required before registering. Cooperative education experience in biology. Graded SU. May be repeated. Occasional.

BSC 4312C COS-BIOL 4(3,3) Advanced Marine Biology: PR: BSC 3312 and a “C” (2.0) or better in PCB 3044. An advanced treatment of current research in marine biology. Emphasizes biodiversity management and marine conservation through research, service-learning and field experiences. Even Spring. M&S fee $45.00

BSC 4330 COS-BIOL 3(3,0) Invasion Biology: PR: A "C" (2.0) or better in PCB 3044, or C.I. General gasps about the stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. Even Spring.

BSC 4422L COS-BIOL 1-4(0,3-12) Biology Laboratory Techniques: PR: CHM 2210 and a “C” (2.0) or better in PCB 3044, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical biology laboratories. Graded SU. May be repeated for credit. Occasional.

BSC 4434 COM&M&M 3(3,0) Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

BSC 4439 COM&M&M 3(3,0) Biomedical Informatics: Structure Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

BSC 4821 COS-BIOL 4(4,0) Biogeography: PR: A "C" (2.0) or better in both PCB 3044 and PCB 4683, or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.

BSC 4861L COS-BIOL 3(3,0) SL Sustainability: Socially & Economically Viable Environmental Protection: PR: A "C" (2.0) or better in BSC 2010C or C.I. A service-learning course that introduces students to the interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. Occasional.

BSC 4937 COS-BIOL 2(0,2) Instructional Experiences in Undergraduate Biology: PR: PCB 3063 or PCB 3522 major with 24 semester hours and 3.0 GPA. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in a variety of university biology labs. Graded SU. May be repeated for credit. Fall, Spring.

BSC 5258L COS-BIOL 3(0,3) Tropics: Biological Research and Conservation: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research and conservation in New World tropics, including a field trip to Belice. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316 COS-BIOL 3(3,0) Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332 COS-BIOL 3(3,0) Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. Even Spring.

BSC 5408L Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological, technical, and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional. M&S fee $15.00

BSC 5418 COM&M&M 3(3,0) Tissue Engineering: PR: Graduate standing. Introduction to Tissue Engineering with a special emphasis on the current status of the field, on novel methods and on cell biomaterial interactions. Occasional.

BSC 5436 COM&M&M 3(3,0) Biomedical Informatics : Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Fall.

BSC 5618 COS-BIOL 3(3,0) Phylogenetic Approaches in Biological Research: PR: C.I. or permission to Biology Department graduate program or C.I. A multidisciplinary approach to understanding evolutionary relationships among organisms using phylogenetic information to address important questions in biology. Even Fall.

BSC 5824 COS-BIOL 4(4,0) Biogeography: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. Occasional. M&S fee $15.00

BTE 4410 ED-EHHS 3(3,0) Course Construction in Business Education: PR: ECT 3365 or C.I. An overview and examination of key human factors of business curriculum and methodology integrated into the workforce frameworks. Planning and preparation of materials, managing the laboratory and involvement in career & technical student organizations. Occasional.

BUL 3130 BA-ACCT 4(4,0) Legal and Ethical Environment of Business: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 4(4,0) Honors Legal and Ethical Environment of Business: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including contract considerations with honors level content. Occasional.

BUL 4540 BA-MAN 3(3,0) Employment Law: PR: Management major or minor, or permission of Honors, BSC 5252 and MAN 2003. An examination of current employment law and issues/trends in the legal environment impacting human resource management system design, HRM policy and employee relations. Fall.

BUL 5332 BA-ACCT 3(3,0) Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation, BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT 3(3,0) Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business, the role of law and ethics in the decision-making process. Occasional.

CAP 4053 ECS-CS 3(3,0) AI for Game Programming: PR: COP 3960 or COP 3525C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 4104 ECS-CS 3(3,0) Human and Technology Interaction: PR: COP 3330 and COP 3562C. Perceptual, cognitive, affective, social, organizational, commercial, and cultural factors. Disciplines, techniques and methodologies. Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. Fall.

CAP 4453 ECS-CS 3(3,0) Robot Vision: PR: COP 3562C and MAC 2312, or C.I. Robotics, orthogonal image processing, the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Even Spring.

CAP 4630 ECS-CS 3(3,0) Artificial Intelligence: PR: COP 3562C and COP 3562C. Current methods in AI: knowledge-based systems, representation, inference, planning, natural language Programming in Lisp or Prolog required. Fall.

CAP 4720 ECS-CS 3(3,0) Computer Graphics: PR: COP 3562C and COP 3562C and MAC 2312 or COP 3562C and MAC 2312 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API. Occasional.

CAP 5015 ECS-CS 3(3,0) Multimedia Compression on the Internet: PR: Seniors and graduate students with interest in internet technology. Multimedia data; internet technology; entropy; compression methods; lossy compression; vector quantization; transform coding; wavelet video compression; model based compression. Occasional.

CAP 5055 ECS-CS 3(3,0) AI for Game Programming: PR: CS Foundation Exam or EEL 4813C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5066 ECS-CS 3(3,0) Web Application Authoring Tools: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining websites, and methodologies for determining which tool is best suited for a particular application environment. Fall.

CAP 5100 ECS-CS 3(3,0) Human-Computer Interface Design: PR: COP 3562C. A comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.
CAP 5415 ECG-CS 3(3,0) Computer Vision: PR: COP 3503C, MAC 2312 and COT 3900. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5510 ECG-CS 3(3,0) Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems of sequence alignment, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.

CAP 5512 ECG-CS 3(3,0) Evolutionary Computation: PR: CAP 4630 or CSE 3503C or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.


CAP 5563 ECG-CS 3(3,0) Advanced Artificial Intelligence: PR: CAP 4630. All theoretical knowledge, implementation, “expert systems”, memory organization, problem solving, learning, planning, vision, and natural language. Fall.

CAP 5725 ECG-CS 3(3,0) Computer Graphics I: Architecture of graphics processors, display hardware, principles of programming and display software; problems and applications of graphic systems. Spring.

CCE 4003 ECG-CECE 3(3,0) Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, EGN 3310 all with a grade of “C” (2.0) or better. Project delivery systems, construction contracts; estimating and scheduling; ethics and labor issues. Multi-disciplinary experience in engineering. Fall, Spring.

CCE 4004 ECG-CECE 3(3,0) Construction Methods: PR: CES 4100C with a grade of “C” (2.0) or better. Construction processes, project estimating and bidding. Spring.

CCE 4034 ECG-CECE 3(3,0) Construction Estimating and Scheduling: PR: ECE 4004 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. Occasional.

CCE 4402 ECG-CECE 3(3,0) Construction Equipment and Productivity: PR: CCE 4003, CVR 3201 both with a grade of “C” (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. Spring.

CCE 4810C ECG-CECE 3(2,2) Construction Design Project: PR: CCE 4234, 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.

CCE 4813 ECG-CECE 4(4,0) Mechanical and Electrical Systems for Buildings: PR: CCE 4303, PHY 2048C, CVR 2003 all with grades of “C” (2.0) or better. Design and construction of mechanical and electrical systems for buildings. Fall.

CCE 5006 ECG-CECE 3(3,0) Infrastructure Systems Management: PR: CCE 3853 or C.I. Essential elements of infrastructure systems and cover concepts, methods, and technologies essential for infrastructure life cycle engineering and management. Fall, Spring.

CCE 5205 ECG-CECE 3(3,0) Decision Support for Infrastructure Projects: PR: CCE 4004 and CCE 4034, or C.I. Infrastructure decision-making theories, data representation for decision analysis, advanced methods in decision-making, and applications of decision support systems in infrastructure projects. Fall, Spring.

CCE 5220 ECG-CECE 3(3,0) Green and Design Construction: PR: CCE 4004, or C.I. Introduction of sustainable concepts as they relate to construction design and delivery. Topics include leadership in Energy and Environmental Design (LEED) categories, economic analysis, and integrated project management. Odd Spring.

CCJ 3014 HPA-CJ 3(3,0) Crime in America: PR: Sophomore standing and ENC 1102. A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. Fall, Spring.

CCJ 3024 HPA-CJ 3(3,0) Criminal Justice System: PR: Sophomore standing and ENC 1102. An examination of the components and of their interdependence in light of their traditional autonomy. Fall, Spring.

CCJ 3450 HPA-CJ 3(3,0) The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. Occasional.

CCJ 3451 HPA-CJ 3(3,0) Criminal Justice System Theory: PR: CCJ 3024 or C.I. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483 HPA-CJ 4(4,0) Labor Relations in Criminal Justice Practice: PR: CCJ 3024 or C.I. An examination of labor relations in the criminal justice system. Fall.

CCJ 3667 HPA-CJ 3(3,0) Victims and the Criminal Justice System: PR: CCJ 3024 or declared Victim Advocacy Certificate or C.I. Course examines the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. Occasional.

CCJ 4035 HPA-CJ 3(3,0) Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

CCJ 4054 HPA-CJ 3(3,0) Criminal Justice Ethics: PR: Junior Standing. Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

CCJ 4064 HPA-CJ 3(3,0) Criminal Justice Dimensions of Genocide: PR: CCJ 3024 or C.I. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice major’s roles in studying and preventing genocide. Occasional.

CCJ 4076 HPA-CJ 3(3,0) Crime Intelligence and Investigative Support Analysis: PR: Junior Standing. Provides an understanding of basic crime intelligence and investigative support analytical tools and information management systems employed to assist law enforcement. Occasional.

CCJ 4129 HPA-CJ 3(3,0) Cultural Diversity in Criminal Justice: PR: CCJ 3024 or (declared Victim Advocacy Certificate & Junior Standing) or C.I. This course focuses on the problems and issues associated with race, ethnic and gender relations and the administration of justice in a democratic society. Occasional.

CCJ 4195 HPA-CJ 3(3,0) Death Penalty: PR: Sophomore standing and ENC 1102. An examination of early organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.

CCJ 4641 HPA-CJ 3(3,0) Organized Crime: PR: Sophomore standing and ENC 1102. An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.

CCJ 4644 HPA-CJ 3(3,0) Women and Crime: PR: Sophomore standing and ENC 1102. An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.

CCJ 4670 HPA-CJ 3(3,0) Drugs and Crime: PR: Sophomore standing and ENC 1102. An examination of the drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illegal drug use. Fall, Spring.

CCJ 4671 HPA-CJ 3(3,0) Human Rights and Criminal Justice: PR: CCJ 3024 or C.I. An in-depth analysis of human rights movement and its potential impact upon criminal law, as well as the juvenile and criminal justice system. Occasional.


CCJ 4690 HPA-CJ 3(3,0) Sex Offenders and the Criminal Justice System: PR: Junior standing and CCJ 3024 and CJ majors (or Junior standing and Criminal Profiling or Victim Advocacy certificate declared) or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4701 HPA-CJ 3(3,0) Research Methods in Criminal Justice: PR: Junior standing and (CCJ 3014 or CCJ 3024). Overview of the social science research methodology used in criminal justice research, the nature of the major forms of research designs used by social science and evaluates the strengths and weaknesses. Fall, Spring.

CCJ 4746 HPA-CJ 3(3,0) Data Analysis for Criminal Justice: PR: CCJ 4701 or C.I. Analytical methods useful for examining the types of data most often encountered in criminal justice research and develops the knowledge and understanding necessary to comprehend and interpret basic statistics in criminal justice research, literature and reports. Fall, Spring.

CCJ 4934 HPA-CJ 1-3(1-3,0) Emergency Criminal Justice Issues: PR: Sophomore standing and ENC 1102. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. Occasional.
CCJ 5015 HPA-CJ 3(3,0) The Nature of Crime: PR: Admission to Criminal Justice graduate program; graduate certificate; or C.I. This course provides an overview of major dimensions of crime in the U.S.; epidemiology of crime, costs of crime, and typologies of crime and criminals. Occasional.

CCJ 5456 HPA-CJ 3(3,0) The Administration of Justice: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.I. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. Fall, Spring.

CCJ 5931 HPA-CJ 3(3,0) Contemporary Criminal Justice Strategies: PR: Graduate standing or C.J. Graduate level analysis of contemporary crime issues and the reactions of the criminal justice system to those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. Occasional.

CCJ 5934 HPA-CJ 3(3,0) Criminal Justice Investigative Process: PR: Graduate standing or C.J. Advanced seminar providing students with a broad view of how the criminal justice investigative process operates. Focus on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

CDA 3103 ECS-CS 3(3,0) Computer Logic and Organization: PR: COP 3223; CR: COT 3300C or MHE 3302 or MAC 2114. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulation), performance, data path, control unit, memory hierarchy, I/O interface. Fall, Spring.

CDA 5106 ECS-CS 3(3,0) Advanced Computer Architecture: PR: EEL 4786C. Modern processor design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O. Fall, Spring.

CDA 5110 Parallel Architecture and Algorithms: PR: COT 4210, CDA 5106. General-purpose vs. special-purpose parallel computers; arrays, message-passing; shared-memory; taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. Occasional.

CEG 4011C ECS-CECE 4(3,2) Geotechnical Engineering I: PR: EGN 3331, CWR 3201 both with a grade of "C" (2.0) or better. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Foundation considerations and bearing capacity. Fall, Spring, M&S fee $21.00.

CEG 4012 ECS-CECE 3(3,0) Geotechnical Engineering II: PR: CEG 4011C with a grade of "C" (2.0) or better. Consolidation, shear strength, earth pressures and retaining walls, bearing capacity and slope stability. Fall, Spring.

CEG 4801C ECS-CECE 3(2,2) Geotechnical Engineering Design: PR: CEG 4011C. Design of earth and foundations. Project course on design of foundations and other soil structures using geotechnical engineering design methodologies. Fall, Spring, M&S fee $14.00.

CEG 5400 ECS-CECE 3(3,0) Seepage in Soils: PR: CEG 4011C. Principles of flow through soils: flow nets, analytical solutions; seepage forces, design of filters and drainage layers; dewatering, drainage in dams, embankments, and pavement systems. Even Spring.

CEG 5700 ECS-CECE 3(3,0) Geo-Environmental Engineering: PR: CEG 4011C. Environmental applications to environmental problems, groundwater flow, soil contamination and groundwater contaminant transport, geosynthetics and stability of landfill design, control of contaminated sites. Occasional.

CEN 3024 ECS-ECS 3(3,0) Software Development I: PR: COP 3330 or C.I. Server software development concepts and introduction to the creation context of hands-on project implementation. SDLIC, version control, design with UML, documentation, testing, 2:3-tier architecture. Spring.

CEN 4025 ECS-ECS 3(3,0) Software Development II: PR: CEN 3024 or C.I. A continuation of Software Engineering I with larger and more complex projects. Enterprise-level applications are covered including distributed and web-based systems using n-tier architecture. Fall.

CEN 4333 ECS-ECS 3(3,0) Advanced Database Development: PR: COP 3330 or C.I. Professional-level database access from object-oriented systems, including complex SQL queries and stored procedures. Use of object-relational frameworks. Hands-on exercises with current RDBMS software. Spring.

CEN 4802 ECS-ECS 3(3,0) Software Integration, Configuration, and Testing: PR: CEN 3024 or equivalent or C.I. Addresses approaches and issues associated with integration of software subsystems and components into one system to ensure that the subsystems function together. Spring.

CEN 4910 ECS-ECS 3(3,0) Software Development Project: PR: CEN 4025 or C.I. A software development project using the skills acquired from Software Development I & II. Working in teams, students develop a software system, simulating an industry experience. Spring.

CEN 5016 ECS-CS 3(3,0) Software Engineering I: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.


CEN 5326 ECS-CS 3(3,0) Web Server Configuration and Maintenance: PR: COP 3502C, CNT 3004, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. Occasional.

CES 4000C ECS-CECE 4(3,3) Structural Analysis I and Lab: PR: EGN 3331 with a grade of "C" (2.0) or better. Problems in structural mechanics, analysis of determinate and indeterminate structures by flexibility and stiffness methods computer and laboratory exercises on behavior of structures and materials. Fall, Spring, M&S fee $21.00.

CES 4605 ECS-CECE 3(3,0) Steel Structures: PR: CES 4000C with a grade of "C" (2.0) or better. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beams-columns, connections. Fall, Spring.

CES 4702 ECS-CECE 3(3,0) Reinforced Concrete Structures: PR: CES 4000C with a grade of "C" (2.0) or better. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Fall, Spring.

CES 4743C ECS-CECE 3(2,2) Structural Design: PR: CES 4605 and CES 4702 both with grade of "C" (2.0) or better and department consent. This course prepares students for real life structural design with the fundamentals and applications of both steel and concrete analysis and design at the member and system level. Fall, Spring. M&S fee $24.00.

CES 5144 ECS-CECE 3(3,0) Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. Even Fall.

CES 5323 ECS-CECE 3(3,0) Bridge Engineering: PR: CES 4605 and CES 5012 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHO specification and design, and introduction to Bridge health monitoring. Occasional.

CES 5606 ECS-CECE 3(3,0) Advanced Steel Structures: PR: CES 4605. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stress in compression members, laterally unsupported beams, frames, and beam columns. Occasional.

CES 5706 ECS-CECE 3(3,0) Advanced Reinforced Concrete: PR: CES 4702 or C.I. Design of frames, two-way floor systems, shear walls, shear and tension; compression field theory; prestressed analysis; wind and seismic design; introduction to prestressed concrete. Occasional.

CES 5821 ECS-CECE 3(3,0) Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.

CET 2364 ECS-ECS 3(3,0) Systems Applications in C/C++: PR: MAC 1105C or C.I. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. Introduction to programming techniques and the C++ programming languages. Fall, Spring.

CET 3010 ECS-ECS 3(3,0) Introduction to Information Technology: PR: MAC 1105C. An introduction to IT field, including binary and hexadecimal number systems, computer architecture, information theory, transmission and storage technology, and communications. Fall, Spring.

CET 3383 ECS-ECS 3(3,0) Applied Systems Analysis I: PR: Approved programming course or C.I. Study of system analysis, design, and development. Lab required. Possible completion of multiple courses. May be used in the degree program a maximum of 3 times.

CET 4427 ECS-ECS 3(3,0) Applied Database I: PR: Approved programming course or C.I. Design and implementation of database systems within the context of central administration, structured data storage. Programming project. Fall.

CET 4483 ECS-ECS 3(3,0) Intro to Local Area Network Technology: PR: Approved programming course or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. Fall.

CET 4505 ECS-ECS 3(3,0) Applied Operating Systems I: PR: CET 3384. Modifying the operating systems to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.

CET 4663 ECS-ECS 3(3,0) Computer and Network Security: PR: CET 3384. Understanding and implementation of computer security technology, including cryptography, authentication, digital signatures, and network security tools and applications. Fall.

CET 4748 ECS-ECS 3(3,0) Wide Area Networks I: PR: CET 4483 or C.I. Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results. Fall.
CET 4749  ECS-EC5  3(3,0)

CGN 3501C  ECS-CE5CE  3(2,3)
Civil Engineering Materials: PR: EGN 3331, CHS 1440 or CHM 2045C each with a grade of "C" (2.0) or better. The characterization of materials used in civil engineering works to include concrete, bituminous pavements and composite materials. Fall, Spring. M&S fee $30.00

CGN 3700C  ECS-EC5CE  4(3,2)
Civil Engineering Measurements: PR: MAC 2312 and PHY 2040C both with a grade of "C" (2.0) or better. This course covers engineering measurement, data analysis, hardware of experiments including electronics, system components, and calibration, with specific applications in civil engineering. Spring. M&S fee $30.00

CGN 4808C  ECS-EC5CE  3(2,2)
CECE Capstone Design: PR: "C" (2.0) or better in a previous CECE course and department permission. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall, Spring.

CGS 1000C  ECS-CE5  3(2,1)
Introduction to Computers: Digital literacy, computer hardware, peripheral components, memory devices, effects of computers on society, application of computers. Not open to Computer Science majors. Fall, Spring.

CGS 2100C  ECS-CE5  3(2,1)

CGS 2545C  ECS-CE5  3(2,1)
Database Concepts: PR: COP 2500C or high level programming course (C, Java, C++,). Entity-relationship model, relational database management systems, normal forms, performance or databases, report generation. Fall, Spring.

CGS 2550C  ECS-CE5  3(2,1)
Designing Internet Publishing: PR: COP 2500C or high level programming course (C, Java, C++,). Principles and techniques of page layout and formatting for documents and newsletters, presentation techniques, construction of web pages and design of integrated websites. Occasional.

CGS 3175  ECS-CE5  3(3,0)
Internet Applications: PR: COP 2500C or high level programming course (C, Java, C++,). HTML, coding, using images, sound and animation, advanced text formatting, forms and CSS scripts, introduction to javascript. Fall, Spring.

CGS 3269  ECS-CE5  3(3,0)
Computer Architecture Concepts: PR: COP 2500C or high level programming course (C, Java, C++,). CPU organization, current computer architectures, network file servers. Fall, Spring.

CGS 3763  ECS-CE5  3(3,0)
Operating System Concepts: PR: COP 2500C or high level programming course (C, Java, C++,). System calls, concept of processes, CPU scheduling, security issues, client-server architectures, and computer supported workgroups. Occasional.

CGS 4144  ECS-EC5  3(3,0)

CGS 5131  ECS-EC5  3(3,0)

CHI 1120C  CAH-LANG  4(3,1)
Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1120H  CAH-LANG  4(4,0)
Honors Elementary Chinese Language and Civilization II: PR: CHI 1120C or equivalent. Continuation of CHI 1120C. Spring.

CHI 1121H  CAH-LANG  4(4,0)

CHI 2200  CAH-LANG  3(3,0)
Intermediate Chinese I: PR: CHI 2212C or equivalent. or C.I. Development of Chinese language skills at the intermediate level. Fall, Spring.

CHI 2201  CAH-LANG  3(3,0)
Intermediate Chinese II: PR: CHI 2200. Continuation of CHI 2200 with emphasis on Chinese cultures. Fall, Spring.

CHM 1020  COS-CHEM  3(3,0)
Concepts in Chemistry: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

CHM 1032  COS-CHEM  3(3,0)
General Chemistry: PR: MAC 1105C or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course. Fall, Spring.

CHM 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 both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $54.00

CHM 2040L  COS-CHEM  4(5,0)
Organic Chemistry I: PR: A "C" (2.0) or better in CHM 2040. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry, stress the chemical 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 II: PR: "C" (2.0) or better in CHM 2041. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry, stress the chemical functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.

CHM 2211  COS-CHEM  3(3,0)
Organic Chemistry IIA: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.

CHM 2211L  COS-CHEM  2(0,6)
Laboratory Techniques I: PR: CHM 2210. Priority will be given to students whose major requires this course. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $70.00

CHM 3120  COS-CHEM  3(3,0)
Analytical Chemistry: PR: CHM 2046, CHM 2486. 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 2406, CHM 2407, and PR or CR: CHM 3120. Experimental exercise of quantitative methods of analysis using titrimetric, gravimetric, polarimetric 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 call the Chemistry Department, and may be dropped from the class. Fall. Spring. M&S fee $70.00

CHM 3215L COS-CHEM 2(0,6) Organic Laboratory Techniques II: PR: CHM 2211 and CHM 2211L. 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 call the Chemistry Department, and may be dropped from the class. Fall. Spring. M&S fee $70.00


CHM 3411L COS-CHEM 3(3,0) Physical Chemistry II: PR: CHM 3410. Continuation of CHM 3410. Spring.

CHM 3411L COS-CHEM 2(0,6) Physical Chemistry Laboratory: PR: CHM 3120 and CR: CHM 3411. Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&S fee $70.00

CHM 3422 COS-CHEM 3(3,0) Applied Physical Chemistry: PR: PHY 2049C and MAC 2312. Physical chemistry as applied to the study of biological and forensic science. Fall.

CHM 4130 COS-CHEM 3(3,0) Advanced Analytical Laboratory Technique: PR: CHM 2211, CHM 3120 (with a minimum grade of "C" or 2.0) and CR:CHM 3411 or PR:CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring.

CHM 4130L COS-CHEM 2(0,6) Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. Experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee $70.00

CHM 4220 COS-CHEM 3(3,0) Organic Chemistry III: PR: CHM 2211 or its equivalent. Non-hydrocarbon organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Even Fall.

CHM 4610 COS-CHEM 3(3,0) 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 2(0,6) 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 4914L COS-CHEM 1(1,1) Undergraduate Research Methods: PR: CHM 2211 or CR. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratory. Fall, Spring.

CHM 4930 COS-CHEM 1(1,0) Chemistry Seminar II: PR: CHM 3120 or C.I. Student selects a topic and an advisor and prepares a draft seminar. Fall. Spring.

CHM 4931 COS-CHEM 1(1,0) Chemistry Seminar II: PR: CHM 4930. Student improves the seminar prepared in CHM 4930 (or an approved alternative) and presents it to the Chemistry department. Fall, Spring.

CHM 522S COS-CHEM 3(2,0) Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.

CHM 5235 COS-CHEM 3(3,0) Applied Molecular Spectroscopy: PR: CHM 3120 and CHM 2211L, 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(3,0) Applied Biological Chemistry: PR: CHM 2211L 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 5408 COS-CHEM 3(3,0) Polymer Chemistry: PR: CHM 2211L and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.

CHM 5451C COS-CHEM 3(1,5) Techniques in Polymer Science: PR: CHM 2211L and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. M&S fee $45.00

CHM 5580 COS-CHEM 3(3,0) Advanced Physical Chemistry: CR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHM 5715C COS-CHEM 2(3,3) Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 1440 COS-CHEM 2(2,0) Fundamentals of Chemistry for Engineers: PR: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibria, electrochemistry and thermodynamics. The “NC” grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3,0) Introduction to Forensic Science: PR: Preference will be given to students whose majors require this course. Intended for majors and non-majors to provide an overview of the specialty areas in the forensic crime lab. Spring.

CHS 3505C COS-CHEM 4(2,6) Forensic Microscopy: PR: C grade or better in CHM 2046 L and, and CHS 3501; and PR: or CR: PHY 2049C. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall, Spring. M&S fee $69.00

CHS 3511C COS-CHEM 4(2,6) Trace Evidence: PR: C grade or better in CHS 3505C & CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. Spring, M&S fee $45.00

CHS 3514C COS-CHEM 3(2,3) Bomb Scene Investigation: PR: Forensic Science major or C.I. Procedures for recognizing, collecting, preserving, and analyzing evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3530C COS-CHEM 4(3,3) Forensic Analysis of Controlled Substances: PR: C grade or better in CHM 2211L, or C.I. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee $66.00

CHS 3533 COS-CHEM 2(0,6) Forensic Biochemistry I: PR: C grade or better in PCR 3063 and PCR 3323. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 3533S COS-CHEM 1(0,3) Forensic Biochemistry I Laboratory: PR: or CR: CHS 3501 or C.I. Students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. M&S fee $70.00

CHS 3540C COS-CHEM 2(1,3) Fire and Debris Analysis I: PR: CHM 3120 and CR: CHM 3411. Course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3595 COS-CHEM 3(3,0) Forensic Science in the Courtroom: PR: or CR: CHS 3501 or C.I., and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3949 COS-CHEM 0(0,0) Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded SHU. May be repeated for credit. 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, or C.I. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

CHS 4534C COS-CHEM 3(1,6) Forensic Biochemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for evidence interpretation. Spring. M&S fee $70.00

CHS 4537 COS-CHEM 2(2,0) Forensic Laboratory Quality Assurance: PR: Grade of "C" or better in CHS 3501, CHS 3505C, and CHS 3533C. Concepts and procedures 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 lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.

CHS 4591 COS-CHEM 4(0,40) Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. May be repeated for credit. Fall, Spring.
CHS 4615 COS-CHEM 3(3,0) Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering science. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science MS program or C.I. Principles of forensic science crime scene investigation, concepts in physical and biological evidence, evidence collection and transportation, and individualization of evidence. Even Spring.

CHS 5504 COS-CHEM 3(3,0) Topics in Forensic Science: PR: Admission to Digital Forensics M.S. or Computer Forensics graduate certificate or C.I. History and current topics in Forensic Science. Fall.

CHS 5518 COS-CHEM 3(3,0) The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.J. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. Occasional.

CHS 5596 COS-CHEM 3(3,0) The Forensic Expert in the Courtroom: PR: CHS 3533, CHS 6535, CHS 6536, or C.I. A study of the use of technical and scientifically trained expert witnesses at trial. Even Spring.


CIS 4361 ECS-CS 3(3,0) Secure Operating Systems and Administration: PR: CIS 3350; CR: COP 4600 or CGS 3763 or EEL 4882. Understanding of secure operating systems requirements. Design principles and theoretical protection methods. Access control, authentication, vulnerability, analysis and case studies. Occasional.

CIS 4615 ECS-CS 3(3,0) Secure Software Development and Assurance: PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3350). Thread modeling, Security code life-cycle, Buffer overflows, race conditions and format string problems, Inputs and clients, File system, Cryptography applications, UMLsec, Java security and Reverse engineering. Occasional.

CIS 5105 ECS-CS 3(3,0) Capacity Planning and Performance Evaluation of Web Services: PR: COP 4600, graduate standing, and/or approval of the Director of the Software Engineering Certificate Program. Web performance problems, basic performance concepts, quantitative models for web performance, planning the capacity of web services, understanding and characterizing the workload, measuring performance. Occasional.

CIS 5378 ECS-CS 3(3,0) Designing Secure Transactions in Web Applications: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Secure electronic commerce, data integrity, shell command injection, cross-site scripting, Web Trojans, symmetric encryption, security protocols, application vulnerabilities, threats and hackers. Spring.

CJC 3101 HPA-CJ 3(3,0) Corrections and Penology: PR: CJC 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.

CJC 3134 HPA-CJ 3(3,0) Prisons and jails: PR: CJC 3101. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration, and management. Occasional.

CJC 3164 HPA-CJ 3(3,0) Community-Based Corrections: PR: CJC 3024 and CJC 3101. An overview of correction interventions and treatment programs in the community. Occasional.

CJC 4410 HPA-CJ 3(3,0) Correctional Interventions in Criminal Justice: PR: Junior Standing and CJC 3101. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. Occasional.

CJC 5020 HPA-CJ 3(3,0) Foundations of Corrections: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. Occasional.

CJE 3001 HPA-CJ 3(3,0) Careers in Criminal Justice: PR: Sophomore Standing and ENC 1102. An overview of career opportunities within the criminal justice system. Fall, Spring.

CJE 3444 HPA-CJ 3(3,0) Crime Prevention: PR: Sophomore Standing and ENC 1102. An overview and analysis of crime prevention strategies used in the private and public sectors. Fall, Spring.

CJE 3662 HPA-CJ 3(3,0) CJ Information Technology and Data Management: PR: (Sophomore Standing and CGS 1060C) or C.I. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. Occasional.

CJE 4012 HPA-CJ 3(3,0) Criminal Profiling in Criminal Justice: PR: COP 3104 or (Criminal Profiling or Crime Scene Investigation Certificate declared and Junior Standing) or C.I. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

CJE 4014 HPA-CJ 3(3,0) Police and Society: PR: CCJ 3024 or C.I. An examination of the roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

CJE 4174 HPA-CJ 4(0,0) Comparative Justice Systems: PR: CCJ 3024 and C.JL 3510 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.

CJE 4352 HPA-CJ 3(3,0) Policy Development in Law Enforcement: PR: Sophomore Standing and ENC 1102. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410 HPA-CJ 3(3,0) Community Policing: PR: Sophomore Standing and ENC 1102. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.

CJE 4572 HPA-CJ 3(3,0) Justice Agency Operations: PR: CCJ 3024 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.

CJE 4610 HPA-CJ 3(3,0) Criminal Investigation: PR: CJ 4014 or (Criminal Profiling or Crime Scene Investigation Certificate declared) or C.I. Course acquaints students with basic Procedures used in Criminal Investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.


CJE 4654 HPA-CJ 3(3,0) Crime and Place: PR: CCJ 3024 or (Crime Analysis and Crime Mapping Certificate declared and Junior Standing) or C.I. Provides an understanding of how physical environmental features - the natural and built environment - influences crime events. Occasional.

CJE 4663 HPA-CJ 3(3,0) Crime Mapping and Pattern Analysis: PR: CJE 3662 or C.I. Provides essential theoretical knowledge and hands-on experience mapping crime and other spatial criminal justice data and analyzing crime patterns. Occasional.

CJE 5021 HPA-CJ 3(3,0) Foundations of Law Enforcement: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.I. Examines police role in modern society and law enforcement policy. Occasional.

CJE 4564 HPA-CJ 3(3,0) Juvenile Justice System: PR: (CCJ 3024 and CJ Majors) or Victim Advocacy Certificate declared or C.I. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.

CJE 4584 HPA-CJ 3(3,0) Criminal Law in Action: PR: Sophomore Standing and ENC 1102. Basic concepts of criminal law; elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJE 3510 HPA-CJ 3(3,0) Prosecution and Adjudication: PR: CCJ 3024 or C.I. Examination of structures and goals of offices and prosecution and trial court trials, and of the processes of charging, adjudicating, and sentencing defendants. Fall, Spring.

CJE 4010 HPA-CJ 3(3,0) Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages; including stop and frisk; searches and seizures; wiretappings; and, interrogations. Occasional.

CJE 4046 HPA-CJ 3(3,0) Liability Issues in Criminal Justice: PR: CCJ 3024 or C.I. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. Occasional.
Legal Aspects of the Criminal Court Process: PR: CJL 3510. The legal dimension of various criminal court decision making stages, including: bail; charging; preliminary hearing; grand jury; pretrial hearings; plea hearings; trial; and, sentencing. Occasional.


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.

Security Management: PR: SCC 3311 or C.I. Examination of a global security management environment impacted by downsizing a dramatically changing workforce, religious extremism/terrorism, technological revolution and the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.


Women's Mental Health: PR: PSY 3012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. Occasional.

Clinical Psychology: PR: CLP 3143. An overview of approaches to psychopathology, methods of clinical assessment, and various approaches to individual and group counseling. Fall, Spring.

Contemporary Behavior Therapy: PR: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. Occasional.

Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 3012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.

COM 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, or C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

COM 4014 COS-COMM 3(3,0)
Gender Issues in Communication: PR: Junior Standing, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Fall, Spring.

COM 4416 COS-COMM 3(3,0)
 Terrorism and Communication: PR: One of the following: SPC 1603C, SPC 1608, COM 1000 or C.I. How terrorism is a communication process. How mass media, symbols, linguistic devices, e-terrorism, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. Fall, Spring.

COM 4461 COS-COMM 3(3,0)
Intercultural Communication: PR: Junior Standing, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Study of variables affecting messages and participants in intercultural contexts. Fall, Spring.

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.

COM 4550 COS-COMM 3(3,0)

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 2523 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 I/O libraries. Fall, Spring.

COP 2523H ECS-CS 3(3,0)
Honors Introduction to Programming with C: PR: General Education Program with C including arrays, pointer manipulation and use of standard C math and I/O libraries. With Honors content. Fall.

COP 3330 ECS-CS 3(3,0)
Object Oriented Programming: PR: COP 3223 or EGN 3211. 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: CDA 3103, COP 3502C. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3502C ECS-CS 3(3,1)
Computer Science I: PR: (COP 3223 or EGN 3211) 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 or EGN 3211) and MAC 1105C. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Spring.

COP 3503C ECS-CS 3(3,1)
Computer Science II: PR: COP 3502C and COP 3330 and (MAD 2104 or COT 3100C). Algorithm design and analysis for trees, list, set, and graph data models; algorithmic strategies and applications; and algorithmic complexity analysis; sorting and searching; practical applications. Fall, Spring.

COP 3503C ECS-CS 3(3,1)
Honors Computer Science I: PR: Permission of Honors and (COP 3502H or COP 3502C) and COP 3330 and (MAD 2104 or COT 3100C). Algorithm design and analysis for trees, 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(3,1)
Programming Languages I: PR: COP 3503C and COT 3960. 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 3(3,1)
Processes for Object-Oriented Software Development: PR: COP 3502C, COT 3960 (Foundation Exam - for Computer Science students). Concepts, principles, processes and methods for developing large software systems featuring a team project using object oriented design in UML and implementation in C++. Fall, Spring.

COP 4516C ECS-CS 3(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 3503C and COT 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4600 ECS-CS 3(3,0)

COP 4610C 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 semaphores and multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.

COP 4710 ECS-CS 3(3,0)
Database Systems: PR: COP 3503C. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910 ECS-CS 3(3,0)
Frontiers in Information Technology: PR: COT 4603. PR: COT 4705. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year time frame. Fall, Spring.

COP 4934 ECS-CS 3(3,0)
Software Engineering II: PR: COP 4020, COP 3503C, Consent of Department of EECS, CR: COP 4331C. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall, Spring.

COP 4935 ECS-CS 3(3,0)
Software Engineering I: PR: COP 4934. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall, 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, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0)
Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems and network 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)

COP 5711 ECS-CS 3(3,0)
Parallel and Distributed Database Systems: PR: COP 4710. Storage management, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. Occasional.

COT 3100C ECS-CS 3(3,1)

COT 3100H ECS-CS 3(3,0)

COT 3960 ECS-CS 0(1,0)
CS Foundation Exam: PR: COP 3502C AND COT 3100C. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper division 3000 and 5000 level CS electives. Graded SU. Fall, Spring.

COT 4210 ECS-CS 3(3,0)

COT 4400 ECS-CS 3(3,0)

COT 4500 ECS-CS 3(3,0)

COT 4810 ECS-CS 3(3,0)
Topics in Computer Science: PR: COP 3402 and COP 3503C and COT 3960. A range of topics from the field of Computer science; application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5310 ECS-CS 3(3,0)
Formal Languages and Automata Theory: PR: COP 4020 and COP 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems, LR(k) grammars. Fall, Spring.

COT 5405 ECS-CS 3(3,0)

CPO 3034 COS-POLS 3(3,0)
Politics of Developing Areas: PR: INR 2002 or C.I. Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.
CRW 4722 CAH-ENG 3(3,0)  
**Editing for Creative Writers:** PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3302 and at least one of CRW 3310, CRW 3321, CRW 3330, or CRW 3630, or C.I. Overview of editing processes, the history and future of editing, issues and areas of literary, and trade book publishing, and style through grammar and syntax. Occasional.

CRW 4724 CAH-ENG 3(3,0)  
**Creative Writing in the Community:** PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3003, CRW 3053, and C.I. Hands-on experience with all aspects of Florida Publishing, editing, and production in conjunction with this national journal. May be used in the degree program a maximum of 2 times. Fall, Spring.

CRW 4804 CAH-ENG 3(3,0)  
**Creative Writing in the Community:** PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3003, CRW 3053, and at least one of CRW 3120, CRW 3211, CRW 3310, or C.I. Teaching creative writing to creative writing groups through service-learning. Occasional.

CRW 5020 CAH-ENG 3(3,0)  
**Graduate Writing Workshop:** PR: Admission to Creative Writing MFA and C.I. Student writers present their own work, receiving detailed analysis of its strengths and weaknesses and feedback from fellow writers and from the teacher. May be used in the degree program a maximum of 5 times. Fall, Odd Spring.

CRW 5130 CAH-ENG 3(3,0)  
**Form and Theory in Creative Writing:** PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of creative writing of given genre (poetry, short fiction, etc.). May be used in the degree program a maximum of 3 times. Occasional.

CRW 5948C CAH-ENG 3(2,1)  
**Creative Writing Service Learning:** PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

CWR 3201 ECS-CECE 3(3,0)  
**Engineering Fluid Mechanics:** PR: MAP 2002, EGN 3310 with a grade of C (2.0) or better; OR: EGN 3321. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow. Fall, Spring.

CWR 4632C ECS-CECE 4(3,2)  
**Water Resources Engineering I:** PR: STA 3032 and 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. M&M fee $21.00.

CWR 4633C ECS-CECE 3(3,0)  
**Water Resources Engineering II:** PR: CWR 4632C with a grade of C (2.0) or better. Provision of advanced understanding of hydrology, hydrologic river routing, open closed channel, and groundwater hydraulic and some engineering applications of these concepts. Fall, Spring.

CWR 4812C ECS-CECE 3(2,2)  
**Water Resources Design:** PR: CWR 4632C with a grade of C (2.0) or better and department consent. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&M fee $15.00.

CWR 5125 ECS-CECE 3(3,0)  
**Groundwater Hydrology:** PR: CWR 4633C or C.I. Theories of groundwater movement, geological factors, analysis of changes in techniques, etc. Emphasis on practical considerations. Occasional.

CWR 5205 ECS-CECE 3(3,0)  
**Hydraulic Engineering:** PR: CWR 4633C or C.I. Concepts of fluid mechanics and hydrodynamics applied to natural and man-made flow of intent to civil and environmental engineering. Occasional.

CWR 5515 ECS-CECE 3(3,0)  
**Numerical Methods in Civil and Environmental Engineering:** PR: CWR 4633C or C.I. This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.

CWR 5545 ECS-CECE 3(3,0)  
**Water Resource Engineering II:** PR: CWR 4632C or C.I. Systems identification and solution to complex water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operations research techniques. Occasional.

CWR 5634 ECS-CECE 3(3,0)  
**Water Resources of Coastal and Estuarine Environments:** PR: CWR 4632C. To model and understand potential impact of climate change and human activities on hydrodynamic systems and various spatial and temporal scales. Odd Fall.

DAA 2006A CAH-THEA 2(2,2)  
**Introduction to Theatre Dance:** Basic ballet, tap, and jazz technique. Recommended for students with no formal dance training. May be used in the degree program a maximum of 2 times. Occasional.

DAA 2100C CAH-THEA 2(2,1)  
**Modern Dance I:** PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C and DAA 2200C. Intermediate exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Spring.

DAA 2101C CAH-THEA 2(2,1)  
**Modern Dance II:** PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C and DAA 2200C. Intermediate exploration of form, style, and technique in creative movement, including practical class work and history lectures. Fall.

DAA 2200C CAH-THEA 2(2,1)  
**Ballet I:** PR: Theatre major, Dance minor, or department consent, and C (2.0) or better in DAA 2200C. Intermediate exploration of form, style, and technique in creative movement, including practical class work and history lectures. Fall.

DAA 2201C CAH-THEA 2(2,1)  
**Ballet II:** PR: Theatre major, Dance minor, or department consent, and C (2.0) or better in DAA 2200C. Intermediate classical ballet technique, including principles, theory, and practical technique. Spring.

DAA 2202C CAH-THEA 2(2,0)  
**Jazz Dance:** Instruction in selected ballroom dances (foxtrot, waltz, rumba, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2351 ED-CFCS 2(2,0)  
**Salsa & Latin Dance:** Instruction in salsa and selected other Latin dances (merengue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2393C CAH-THEA 2(1,2)  
**World Dance:** PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester focus will be devoted to one form, such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. Occasional.

DAA 2520C CAH-THEA 2(1,2)  
**Tap Dance I:** PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(1,2)  
**Tap Dance II:** PR: Theatre major, Dance minor, or department consent, and C (2.0) or better in DAA 2520C. Intermediate exploration of form, style, and technique of tap dance. Spring.

DAA 2570C CAH-THEA 2(1,2)  
**Jazz Dance I:** PR: Theatre major, Dance minor, or department consent. Basic movements of American Jazz dance, including practical class work and Jazz dance history. Fall, Spring.
DIG 2000 CAH-SVAD 3(3,0) Introduction to Digital Media: PR: ENC 1101 and MAC 1105C or TCH 1450. History, principles, and processes associated with digital media and designing for digital media with emphasis on production and communication. Fall, Spring.

DIG 2030C CAH-SVAD 3(2,2) Digital Video Fundamentals: PR: ENC 1101, MAC 1105C, or TCH 1450. Introduces concepts and principles of producing and assembling digital video and the tools and techniques of video and sound capture. Fall, Spring.


DIG 2821 CAH-SVAD 3(3,0) Creative Digital Media Problem Solving: PR: Min. grade of “B” (3.0) in DIG 2000. Practical methods to enhance the creative process in the development of new, novel, and useful ideas for digital media. Fall, Spring.

DIG 3003 CAH-SVAD 3(3,0) Adventures in Emerging Media: PR: ENC 1101. Examines the rules and culture of emerging media. The course is presented online in a non-linear "choose your own adventure" format. Occasional.


DIG 3035 CAH-SVAD 1(1,0) Digital Media in the Workplace: PR: ENC 1102. Workplace skill preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 3043 CAH-SVAD 3(3,0) Evolution of Video Games: PR: ENC 1101. Examination of video games since the first game in the early 1950s to contemporary games. Fall, Spring.

DIG 3134 CAH-SVAD 3(3,0) Media Software Design: PR: DIG 3480C. Fundamentals of interactive software development within Internet environments. Focus on server-side scripting methodologies and database design. Fall, Spring.

DIG 3153 CAH-SVAD 3(3,0) Writing for Digital Media: PR: Minimum grade of "B" (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals in the following areas: language theory, document design, markup languages and the editing process. Fall, Spring.

DIG 3171 CAH-SVAD 3(3,0) Tools for Digital Humanities: PR: ENC 1102 or C.I. Examination of digital tools and techniques, including web and games, used for projects and research in digital humanities. Occasional.

DIG 3253C CAH-SVAD 3(2,2) Digital Media Audio: PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. Fall, Spring.

DIG 3355C CAH-SVAD 3(2,2) Artificial Environments and Effects: PR: DIG 2109C and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall, Spring.


DIG 3450 CAH-SVAD 3(3,0) Interactive Performance I: PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 3450H CAH-SVAD 3(3,0) Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors content. Occasional.


DIG 3525 CAH-SVAD 3(3,0) Digital Media Production I: PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organization and execution; group dynamics; and project-oriented tools for project planning, scheduling and management. Fall, Spring.


DIG 3563 CAH-SVAD 3(3,0) Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-SVAD 3(2,2) Internet Interaction: PR: DIG 3480C. Front end planning, design and develop of web pages. Design markup languages and style sheets to produce visually pleasing and usable interactive interfaces. Fall, Spring.

DIG 3811 CAH-SVAD 3(3,0) User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.


DIG 4104C CAH-SVAD 3(2,2) Web Design Workshop: PR: DIG 3134C, DIG 3176C, DIG 3653, and DIG 3811. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times. Fall, Spring.


DIG 4206C CAH-SVAD 3(1,4) New Imagery in Motion Workshop: PR: DIG 4325C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. Spring.

DIG 4323C CAH-SVAD 3(1,4) Modeling for Visual Language: PR: DIG 4451C. Application of techniques to model and prepare artificial characters so that they may be animated effectively and express narrative for digital production. Fall.


DIG 4325C CAH-SVAD 3(2,2) Link Modeling Workshop: PR: DIG 4780C and successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. Spring.

DIG 4326C CAH-SVAD 3(1,4) Geometrical Modeling Workshop: PR: DIG 4780C and successful portfolio review or C.I. Techniques and mechanics of designing and manipulating geometrical representations of artificial characters and their environments; introduction to procedural models. Spring.

DIG 4354C CAH-SVAD 3(1,4) Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Advanced techniques and concepts developed in the previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-SVAD 3(1,4) Artificial Characters Workshop: PR: DIG 3902C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. Spring.

DIG 4373C CAH-SVAD 3(1,4) 3D Textures: PR: DIG 4323C or C.I. Advanced application of lighting and surface attributes, improving on the tools, concepts, and techniques learned in previous 3D courses. Spring.

DIG 4394C CAH-SVAD 3(1,4) Motion Graphics: Advanced Compositing: PR: DIG 4359C. Successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and composting to create motion graphics. Manipulate and navigate objects, images and other media in visual narratives, as pertaining to 3-D Content. Spring.

DIG 4395 CAH-SVAD 3(3,0) Motion Capture for Performance: PR: MAC 1105C, and DIG 3480C or TPA 2201, or C.I. Develop creative skills, learn theory and technology of motion capture systems for live and recorded dramatic performance, augmented & virtual reality, training, and educational applications. Spring.

DIG 4434C CAH-SVAD 3(1,4) Narrative Techniques in the Moving Image: PR: DIG 4451C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language employed in story production focusing on advancing a narrative and evoking emotion. Spring.

DIG 4451C CAH-SVAD 3(1,4) Visual Storytelling and Visual Development Workshop: PR: DIG 3453C 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) Rapid Prototyping and Development: PR: DIG 3134 and DIG 3716C. Asynchronous web development using current server-side and client-side scripting techniques and database technologies. Spring.

DIG 4522 CAH-SVAD 3(3,0) Digital Media Service: PR: DIG 3035, Practicum in which students utilize their digital media skills to create media rich products. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4526 CAH-SVAD 3(3,0) Digital Media Production II: PR: DIG 3255 and a minimum grade of "B" (3.0) or better in DIG 2000. Management of and techniques for large digital projects, using structured methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4530C CAH-SVAD 3(2,2) Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4) Digital Production in Artificial Environments: PR: DIG 4539C, 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 4693C CAH-SVAD 3(2,2) Production Software Workshop: PR: DIG 3134C or C.I. Advanced programming techniques for a variety of applications using ActionScript, including dynamic and input text, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704 CAH-SVAD 3(3,0) Interactive Entertainment: PR: DIG 3525 and DIG 4693C. 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 2500C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-SVAD 3(2,2) Game Design Workshop: PR: DIG 4725C, FL 3720C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video games using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4780C CAH-SVAD 3(2,2) Modeling for Realtime Systems: PR: DIG 2200C and a minimum grade of "B" (3.0) in DIG 2000. Principles of constructive 3D models for real-time applications. Topics include level of detail management and efficiency versus virtual video for games and simulation. Fall, Spring.

DIG 4785 Converging Media Capstone: PR: GEB 3002 and 12 hours of restrictive electives within the Visual Arts and Emerging Media Management Track. Team based converging media projects leading to a capstone project that emphasizes creative thinking, prototyping, development, marketing and assessment paralleling the business world. Even Fall, Even Spring. M&F fee $45.00

DIG 5045C CAH-SVAD 3(1,3) Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5046C CAH-SVAD 3(1,3) Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-SVAD 3(3,0) Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. Fall.

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 cognition 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 5551C CAH-SVAD 3(3,0) Modeling for Realtime Systems II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5552C CAH-SVAD 3(3,0) Principles of Visual Language II: PR: Film and digital media majors or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5810 COS-PSYCH 3(2,2) Introduction to Modeling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific underpinnings. Fall.

DIG 5876 COS-PSYCH 3(3,0) Quantitative Aspects of Modeling and Simulation: PR: Graduate Standing or C.I. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.

DIG 5950 CAH-SVAD 3(3,0) Interactive Entertainment Capstone: PR: Admission to Digital Media MS. Prepare a product design document and technical design document for a production project. Graded S/U. Fall, Spring.

DSC 4012 HPA-CJ 3(3,0) Terrorism: PR: Sophomore Standing and ENC 1102. An examination of the control of terrorist behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Fall.

DSC 4070C HPA-CJ 3(3,0) Principles of Behavior Modification: PR: PSY 3012. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Fall.

DSC 4070C HPA-CJ 3(3,0) Principles of Behavior Modification - Part II: PR: DSC 4070C. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. Occasional.

DSC 4070C HPA-CJ 3(3,0) Applied Behavior Analysis with Children and Youth: PR: DEP 5057 and EXP 5445, and graduate status or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. Occasional.

EAS 3010 EME-MECHAERO 3(3,0) Fundamentals of Aerospace Flight: PR: EGN 3221 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312 and PHY 2048; CR: EGN 3433. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics, airflow theory, external and internal flows, airplane performance. Fall.

EAS 3010 EME-MECHAERO 3(3,0) Fundamentals of Aerodynamics: PR: EML 3701. Viscous, incompressible fluid flow, flow over finite wings; aerodynamic design, introduction to computational fluid dynamics. Spring.


EAS 3810C  ECS-MECH/AERO  3(1,3)
Design of Aerospace Experiments: PR: EAS 3800C and EAS 3013. Analysis and design of experiments on aerospace vehicles with emphasis on project team activity. Spring. M&S fee $45.00.

EAS 3890  ECS-MECH/AERO  0(0,0)
Aerospace Career and Academic Faculty Advising II: Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EAS 4105  ECS-MECH/AERO  3(0,3)

EAS 4134  ECS-MECH/AERO  3(0,0)
High-Speed Aerodynamics: PR: EAS 3101. Normal and oblique shock waves, nozzles and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous boundary layers and applications to the design process. Fall.

EAS 4154  ECS-MECH/AERO  3(0,0)

EAS 4200  ECS-MECH/AERO  3(0,0)

EAS 4210  ECS-MECH/AERO  3(0,0)

EAS 4490  ECS-MECH/AERO  3(0,0)

EAS 4404C  ECS-MECH/AERO  3(2,3)

EAS 4505  ECS-MECH/AERO  3(0,0)
Orbital Mechanics: PR: EGN 3321 and a “C” (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAB 3202 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.

EAS 4700C  ECS-MECH/AERO  3(1,6)
Aerospace Design I: PR: EAS 3901 or EML 3701, EAS 3800C, and department consent; CR: EAS 4200, EAS 4991. Application of the design process to the team solution of a specific aerospace problem. Airplanes and space vehicles, systems and devices are considered. Fall, Spring.

EAS 4710C  ECS-MECH/AERO  3(1,6)
Aerospace Design II: PR: EAS 4700C. Extension of EAS 3800C. Design of experiments in aerospace/aeronautics systems with emphasis on project team activity. Spring. M&S fee $45.00.

EAS 4991  ECS-MECH/AERO  0(0,0)
Aerospace Career and Academic Faculty Advising I: Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EAS 5123  ECS-MECH/AERO  3(0,0)

EAS 5157  ECS-MECH/AERO  3(0,0)

EAS 5211  ECS-MECH/AERO  3(0,0)
Aerelasticity: PR: EAS 3101 or EML 3701 and EAS 4210 or EML 4220. Concerned with consequences and trade-offs created by interactions between aerodynamic forces and structural deformation. Static aeroelastic problems; control effectiveness; lift effectiveness; divergence. Dynamic aerelasticity; flutter and vibration. Occasional.

EAS 5302  ECS-MECH/AERO  3(0,0)

EAS 5315  ECS-MECH/AERO  3(0,0)

EAS 5407C  ECS-MECH/AERO  3(2,3)

EAS 5555  ECS-MECH/AERO  3(0,0)

ECS 4504C  ECS-ECE  4(3,3)

ECS 4713  BA-ECON  3(0,0)
Principles of Microeconomics: An introduction to macroeconomics, including the overview of the market economy; national income, employment, and price level determination; government policies, and international economics. Fall, Spring.

ECS 4713H  BA-ECON  3(0,0)

ECS 4768C  BA-ECON  1(1,0)
Tutoring/Teaching Techniques for Undergraduate Economics: PR: Permission of Honors. The design and implementation of courses in microeconomics, including the role of allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors consent. Occasional.
ECO 4934 BA-ECON 3(3,0)

ECO 4941 BA-ECON 3(3,0)
Economics Internship: PR: Consent of department chair, ECO 3101, and ECO 3203. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. Graduate credit. Fall, Spring.

ECO 5005 BA-ECON 3(3,0)

ECP 3004 BA-ECON 3(3,0)
Seminar on Current Economic Topics: PR: ECO 3101. Content may include, but is not limited to, the analysis of current economic issues and policy, and the study of current economic methods and theories. May be used in the degree program a maximum of 1 time. Occasional.

ECP 3006 BA-ECON 3(3,0)
Economics of Sports: PR: ECO 2033. Microeconomics is used to evaluate and analyze the business and practice of sports including the structure and conduct of sports leagues, revenue sharing and other forms of cooperation, labor markets and compensation for professional athletes, public financing of sports facilities, and sports in the not-for-profit sector. Fall.

ECP 3203 BA-ECON 3(3,0)
Labor Economics: PR: ECO 3101 or ECP 4703. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutions: households, firms, government, and unions. Occasional.

ECP 3302 BA-ECON 3(3,0)

ECP 4303 BA-ECON 3(3,0)
Environmental and Natural Resource Economics: PR: ECO 3101. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the microeconomic and macroeconomic level. Odd Fall.

ECP 4403 BA-ECON 3(3,0)
Industrial Organization and Game Theory: PR: ECO 3101. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. Fall, Spring.

ECP 4507 BA-ECON 3(3,0)

ECP 4703 BA-ECON 3(3,0)

ECS 4013 BA-ECON 3(3,0)

ECT 3062 ED-E&HS 3(3,0)
Professional Roles of the Career & Technical Teacher: PR: ECT 3365 or C.I. Introduction into career and technical education teaching and the transition from industry to education. Occasional.

ECT 3365 ED-E&HS 3(3,0)

ECT 3367 ED-E&HS 3(3,0)

ECT 3371 ED-E&HS 3(3,0)
Course Construction in Industrial Education: PR: ECT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involving the VICA. Occasional.

ECT 4004 ED-E&HS 3(3,0)

ECT 4184 ED-E&HS 3(3,0)
Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainee analysis tasks. Spring.

ECT 4384 ED-E&HS 3(3,0)
Advanced Teaching Techniques for Career Education: PR: ECT 3365 or C.I. Developing techniques including cooperative learning, simulation, instructional modeling, and evaluation of instructional effectiveness. Fall.

ECT 4815 ED-E&HS 3(3,0)

ECW 3312 ED-E&HS 3(3,0)
Course Construction in Health Occupations Education: PR: ECT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

ECW 3564 ED-E&HS 3(3,0)
Special Populations in Career & Technical Education: PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. Spring.

ECW 5207 ED-E&HS 2-4(2-4,0)
Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies 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 5561 ED-E&HS 2-3(2-3,0)
Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. Occasional.

EDE 2280 ED-TL&L 2-3(2-3,0)
Arts and Wellness in Elementary Classrooms: Provides the prospective teacher with knowledge, skills, and the dispositions to integrate arts and wellness into the elementary classroom curriculum. Fall, Spring.

EDE 3942 ED-TL&L 3(3,0)
Internship I: PR: EDG 4410, RED 3012, RED 4513, MAE 4320, MAE 3331, TSL 4080, CR: MAE 4036, RED 4942, SCE 3310. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 3942H ED-TL&L 3(3,0)
Honors Internship I: PR: MAE 2801, RED 3012, RED 4519, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher including professional study groups and seminars, teacher work sample methodology and just-in-time coaching. Odd Fall.

EDE 4223 ED-TL&L 3(3,0)
Integrated Arts and Movement in the Elementary School: PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. Fall, Spring. M&S fee $10.00

EDE 4943 ED-TL&L 7-12(3,35)

EDF 4945 ED-TL&L 1(1.0)
Internship II Seminar: PR: All required program courses; CR: EDE 4943 Internship II. Culminating semester emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDF 2005 ED-TL&L 3(3,0)
Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDF 2007 ED-TL&L 3(3,0)
Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.

EDF 2065 ED-TL&L 3(3,0)
Introduction to Diversity for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDF 2130 ED-TL&L 3(3,0)
Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDF 2250 ED-TL&L 3(3,0)
Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDF 2510 ED-TL&L 3(3,0)
Education and Nation Building: American Historical Perspectives: An historical analysis of why education remains critical to nation building in the U.S. and elsewhere, including education’s impact on current policies and issues. Occasional.

EDF 2720 ED-TL&L 3(3,0)
Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDF 2065, EME 2040, or C.I. The role of education in children’s lives through the analysis of legal, ethical and safety concerns. Fall, Spring.

EDF 2801 ED-TL&L 3(3,0)
Global Perspectives on Education: National systems of education from a global perspective and exposure to the global and international challenges facing educators in the new millennium. Fall.

EDF 3120 ED-TL&L 3(3,0)
Observing Child Growth and Development: PR: Consent 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 Fall.
EDF 3601 ED-TL&L 3(3,0) Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDF 4466 ED-E&HS 3(3,0) Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.


EDF 4467H ED-TL&L 3(3,0) Honors Learning Theory and Assessment: PR: EDF 2005, EDF 2085, and EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations using a case study design, teacher work samples, and a theoretical/conceptual debate. Fifteen hour in-school experience required. Even Fall.

EDF 4603 ED-TL&L 3(3,0) Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 4603H ED-TL&L 3(3,0) Honors Analysis and Application of Ethical, Legal and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 5245 ED-TL&L 3(3,0) Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. Occasional.

EDF 5607 ED-TL&L 3(3,0) Language, Culture and Pedagogy: Impact and Applications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1005C ED-F&HS 3(3,0) Foundations of Leadership: PR: LEAD Scholarship Program. Seminar for LEAD Scholars in the College of Education and Human Performance providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-TL&L 3(3,0) Teaching Strategies for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EDG 4410 ED-CFCS 3(3,0) Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school requirement required. Fall, Spring.

EDG 4941 ED-TL&L 1-8(0,1-8) Directed Field Experience: PR: Approval of Professional Laboratory, Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 ED-TL&L 3(3,0) Service Learning: PR: PST 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.

EDG 4954 ED-TL&L 3(3,0) International Education Field Experiences: PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program. Students gain insights into global and local issues through educational and cultural experiences. Fall, Spring.

EDG 5356 ED-TL&L 3(3,0) Instructional Coaching: PR: Graduate standing or C.I. This course will prepare educators to become instructional coaches, developing skills and methods to impact student achievement by influencing teachers' instructional practices. Occasional.

EDG 5745 ED-TL&L 3(3,0) Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction curriculum areas in English as a second language. Occasional.

EDG 5941 ED-TL&L 2-8(0,11) Clinical Practice: PR: Admission to STEP II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDH 5306 EGS-MECHAIRO 1(1,0) Teaching Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover basic teaching pedagogy to help engineering students become better TA's and help students deliver better technical presentations. Occasional.

EDS 5356 ED-TL&L 3(2,1) Mentoring and Clinical Supervision of Preprofessional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.

ECC 2732 ED-CFCS 3(3,0) Health, Safety, and Nutrition for Young Children: Health, safety and legal issues in early childhood (0-8) including protection from injury and infection, promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.

ECC 3008 ED-CFCS 3(3,0) Early Childhood Children's Literature: PR: Admission into the Early Childhood Development and Education Program (Track 3), EEC 3700, EEC 4661, RED 3310, and PET 4050C. A course which combines coursework, research, and practical experience. Fall.

ECC 3214 ED-CFCS 3(3,0) Early Childhood Education Learning Environment & Strategies: PR: Admission to the program. This course will prepare educators to become instructional coaches, developing skills and methods for diagnosing, assessing, and evaluating young children, including children with diverse cultural and ethnic backgrounds. Appropriate interventions, remediations, and enrichment. Occasional.

ECC 3613 ED-CFCS 3(3,0) Observation and Assessment of Young Children: PR: Admission to the program. Appropriate methods for diagnosing, assessing, and evaluating young children, including children with diverse cultural and ethnic backgrounds. Appropriate interventions, remediations, and enrichment. Occasional.

ECC 3700 ED-CFCS 3(3,0) Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. Occasional.

ECC 3940 ED-CFCS 3(3,0) Integration Internship I: PR: Senior Status; RED 3311 or RED 3310. Field based placement in which the students will have supervised practice integrating course content areas. Occasional.

ECC 4027 ED-CFCS 3(3,0) Assessment and Evaluation of Young Children: PR: Admission to the Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Methodologies for teaching and assessing young children in mathematics and science concepts and skills through an integrated developmentally appropriate program. Fall.

ECC 4211 ED-CFCS 3(3,0) Children and Family Learning for Young Children: PR: Admission into Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Formal and informal evaluation exercises and tools for implementing comprehensive evaluations of early childhood programs and policies and how they impact the program's stakeholders. Fall.


ECC 4260 ED-CFCS 3(3,0) Early Childhood Program Evaluation: PR: Admission into the Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Formal and informal evaluation exercises and tools for implementing comprehensive evaluations of early childhood programs and policies and how they impact the program's stakeholders. Fall.

ECC 4268 ED-CFCS 3(3,0) Curriculum Activities in Early Childhood: PR: Admission to Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. An integrated approach to curriculum planning and scheduling including materials, strategies, and environments for young children which emphasize active learning. Fall, Spring.

ECC 4303 ED-CFCS 3(3,0) Learning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Development and Education program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

ECC 4314 ED-CFCS 3(3,0) Effective Practices for Guiding Young Children's Behavior: PR: Admission into Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Techniques to guide behavior of young children emphasizing classroom management, routines, and pro-social skills. Spring.

ECC 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.

ECC 4414 ED-CFCS 3(3,0) Parent-Child Relations: PR: EEC 3700, EEC 4661; RED 3310, 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 stages, family structure, ethnic and cultural factors on parenting. Fall, Spring.

ECC 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.

ECC 4528 ED-CFCS 3(3,0) Infant/Toddler Care and Education: PR: The knowledge and skills that the student must have to become a competent worker with very young children and their families. Occasional.

UCF Courses and Descriptions

ECE 4309C 3(3,3)
Digital Signal Processing Applications: PR: EEE 3307C, EEE 3342C. Ideal

ECE 5352 3(3,0)

ECE 5353 3(3,0)
Semiconductor Device Modeling and Simulation: PR: EEE 3350. Large signal small model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

ECE 5356C 4(3,3)
Fabrication of Solid-State Devices: PR: EEE 3350. Fabrication of microelectronics devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. Fall. Spring. M&S fee $70.00

ECE 5370 3(3,0)
Operational Amplifiers: PR: EEE 4300C. Ideal and non-ideal Op-Amps. Linear applications. Even Fall.

ECE 5378 3(3,0)
CMOS Analog and Digital Circuit Design: PR: EEE 4300C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

ECE 5390 3(3,0)
Full-Custom VLSI Design: PR: EEE 3324C, EEE 3307C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation, verification, Spring.

ECE 5513 3(3,0)

ECE 5542 3(3,0)

ECE 5555 3(3,0)
Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. Occasional.

ECE 5577 3(3,0)

EEL 3004C 3(3,2)
Electrical Networks: PR: MAC 2311C, MAC 2312, MAC 2313, PHY 2048C, PHY 2049C all with a “C” (2.0) or better grade. CR: MAP 2302. Analysis and design of linear circuits, transients, ac analysis, power calculations and three-phase circuits. Fall. Spring.

EEL 3004C 3(3,2)
Honors Electrical Networks: PR: Permission of Honors and MAC 2311C, MAC 2312, MAC 2313, PHY 2048C, PHY 2049C all with a “C” (2.0) or better grade. CR: MAP 2302. Analysis and design of linear circuits, transients, ac analysis, power calculations and three-phase circuits. Fall. Spring.

EEL 3041 3(3,0)
Circuit Analysis: PR: PHY 2053C. Study of electrical networks. Circuit analysis techniques are presented, including DC and steady state analysis. Power calculations, distribution and dissipation are covered with examples relating to cables, connections, and buses. Not open to EE and CeE majors. Fall. Spring.

EEL 3123C 4(3,1)
Networks and Systems: PR: EEL 3004C, 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 3(3,0)

EEL 3531 3(3,0)

EEL 3552C 4(3,3)

EEL 3657 3(3,0)

EEL 3801C 3(3,2)

EEL 4050L 1(0,3)
EECS Integrated Laboratory: PR: EEL 3552C, EEL 3657, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, DSP processing of sound signals, transmitters and receivers based upon AM and FM, PID controller and feedback systems, and power conversion. Occasional.

EEL 4140C 4(3,3)
Analog Filter Design: PR: EEL 3324C. Passive and active analog filter design. Fall. M&S fee $15.00

EEL 4205 3(3,0)
UCF Courses and Descriptions

EEL 4216 ECS-ECE 3(3,0) Fundamentals of Electric Power Systems: PR: EEL 340C or C.I. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4436C ECS-ECE 4(3,3) Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. 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, physical optics, interferometric devices, applications to engineering design problems. Spring.


EEL 4518 ECS-ECE 3(3,0) Satellite Communications: PR: EEL 4216. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.


EEL 4635C ECS-ECE 4(3,3) Computer Control Systems: PR: EEL 3567. Discrete-time systems, the z-transform, and single loop computer control systems. Digital simulation in the analysis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. Occasional.

EEL 4660 ECS-ECE 3(3,0) Robotic Systems: PR: EEL 4370 or equivalent. Team based development of a robotic system incorporating concepts such as sensing, computer vision, machine learning, localization, mapping, manipulation and locomotion. Spring.

EEL 4742C ECS-ECE 4(3,3) Embedded Systems: PR: EEL 3801C. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee $15.00


EEL 4768 ECS-ECE 3(3,0) Computer Architecture: PR: EEL 3801C or CDA 3103. Computer systems performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISC vs. CISC. Fall, Spring.


EEL 4783 ECS-ECE 3(3,0) Hardware Description Languages in Digital Systems Design: PR: EEL 3420C. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. Occasional.

EEL 4817H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 3801 or EEL 4515H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 3801 or C.I. Machine Learning and Applications. ART Neural Networks, Genetic Algorithms, Decision Trees. Evolutionary Hardware, Evolusory Neural Networks, and Reinforcement Learning. Fall.

EEL 4832 ECS-ECE 3(3,0) Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EEL 3840. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization and multidimensional root-finding, integration and series approximations. Fall, Spring.

EEL 4851C ECS-ECE 4(3,3) Engineering Data Structures: PR: EEL 3801C. Design and analysis of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. Fall, Spring.

EEL 4872 ECS-ECE 3(3,0) Engineering Applications of Intelligent System: PR: EEL 4851C or C.I. Knowledge and intelligence, predicate logic and automated reasoning, heuristic search, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. Occasional.

EEL 4882 ECS-ECE 3(3,0) Engineering Systems Software: PR: EEL 4861C and EEL 4742C. Introduction to operating systems concepts and facilities for engineering applications, including multiprogramming, resource allocation and management, systems utilities, and operating system implementation. Fall, Spring.

EEL 4884C ECS-ECE 4(3,3) Engineering Software Design: PR: EEL 4851C. Software systems design life cycle function and object-oriented methodologies, CASE, Analysis, design, and development of a large software project. Fall, Spring.

EEL 4890 ECS-ECE 3(3,0) Continuous System Simulation I: PR: MAP 2302. Numerical integration techniques and discrete time system models for approximating the dynamics of continuous systems. Occasional.

EEL 4914 ECS-ECE 3(3,0) Senior Design I: PR: EEL 3307C, EEL 4742C, and consent of School of EECs. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L ECS-ECE 3(3,0) Senior Design II: PR: EEL 4914. Execution of engineering project including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. Fall, Spring. M&S fee $15.00

EEL 5173 ECS-ECE 3(3,0) Linear Systems Theory: PR: EEL 3657. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and realization theory. Spring.

EEL 5185 ECS-ECE 3(3,0) System Identification: PR: EEL 3657 or C.I. Dynamic systems, models of time-invariant linear, time-varying and nonlinear systems, nonparametric frequency and time-domain identification methods, kernel expansion techniques, parameter estimation methods, experiment design, and applications. Spring.

EEL 5245S ECS-ECE 2(1,0) Electronics: PR: EEL 4303C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cycloconverters, applications. Fall.

EEL 5272 ECS-ECE 3(3,0) Biomedical Sensors: PR: EEL 4750 or EEL 4852 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEL 5432 ECS-ECE 3(3,0) Satellite Remote Sensing: PR: EEL 3470 or PHY 4204. Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical measurements. Occasional.

EEL 5437C ECS-ECE 4(3,3) Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. Fall. M&S fee $38.61

EEL 5439C ECS-ECE 4(3,1) RF and Microwave Communications: PR: EEL 4430C or equivalent. RF and microwave active circuits, microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. Spring. M&S fee $40.00

EEL 5462S ECS-ECE 3(3,1) Analysis and Design of Medical Design: PR: EEL 4914 or equivalent. Fundamentals of antennas, dipole antennas, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall.

EEL 5625 ECS-ECE 3(3,0) Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS. Occasional.

EEL 5630 ECS-ECE 3(3,0) Digital Control Systems: PR: EEL 3657. Real-time digital control system analysis and design, Z-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. Fall.

EEL 5669 ECS-ECE 3(3,0) Autonomous Robotic Systems: PR: EEL 3501 or C.I. Introduction to robotics, with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.

EEL 5690 ECS-ECE 3(3,0) Introduction to Medical Robotics and Tele-Operation: PR: EEL 3657 or Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematics, constrained workspace and dexterity, haptics, tele-operation and network based control, basics of laparoscopic surgery. Occasional.

EEL 5704 ECS-ECE 3(3,0) Computer Aided Logical Design: PR: EEL 4742C. Design, analysis and synthesis of sequential logic systems. Data paths and controller design using a hardware description language. Occasional.

EEL 5722C ECS-ECE 3(3,3) Field-Programmable Gate Array (FPGA) Design: PR: EEL 3342C or C.I. FPGA architectures, design flow, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware. Even Fall.

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2013-2014

451
informal specification.
elicitation, analysis, description, and validation. Formal and
communication skills. Excellent problem solving skills.
Graduate standing or C.I. Excellent oral and written

EES 4202C
M&S fee $59.00

EES 4111C
of the art EE and CE fields. Graded S/U.
lectures will provide our students a broad view of the state

EEL 5771C

EES 5318

EEL 5780
Wireless Networks: PR: EEL 4781 or C.I. The wireless networking topics include: cellular networks, multiple access protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSMS, GPRS, CDMA, WCDMA), Even Spring.

EEL 5820
Image Processing: PR: MAP 2302, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825
Pattern Recognition: PR: EEL 4750 or C.I. Preliminaries of pattern recognition, Bayesian Decision Theory, linear discriminant functions, Neural Network approaches, decision tree classifiers, unsupervised learning and clustering, non-parametric techniques, and other topics reflecting the state-of-the-art. Occasional.

EEL 5860

EEL 5874
Expert Systems and Knowledge Engineering: PR: EEL 4672 or CAP 4560 C.I. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. Spring.

EEL 5881
Software Engineering I: PR: COP 4531C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, Spring.

EEL 5892

EEL 5936
Current Topics in ECS: PR: Open to all ECE graduate students. Lecture topics presented by ECE faculty and invited lecturers will provide our students a broad view of the state of the art. Even Spring.

EES 4111C
Biological Process Control: PR: ENV 3001 with a grade of "C" (2.0) or better; CR: ENV 4531, Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bio-energy products, wastewater treatment, and others. Spring, M&S fee $52.00

EES 4202C
Chemical Process Control: PR: CHEM 2046 and ENV 3001 both with a grade of "C" (2.0) or better. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall, M&S fee $60.00

EES 5318

EEX 2010
Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall, Spring.

EEX 2090
Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EEX 2758
Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. Fall, Spring.

EEX 3221
Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. Fall, Spring.

EEX 3241
Methods for Academic Skills for Exceptional Students: PR: Admission to the CED or Admission to the ESE Minor. Teaching strategies, instructional materials, and monitoring techniques for children and adolescents with special needs. Must be taken before internship I. Fall, Spring.

EEX 3243

EEX 3450
Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

EEX 3942

EEX 4054

EEX 4066

EEX 4070

EEX 4242

EEX 4601
Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. Fall, Spring.

EEX 4751
Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child’s education. Occasional.

EEX 4753
Parent/professional Collaboration: The special educator’s role in working with families, regular educators, and other professionals in a collaborative relationship. Fall.

EEX 4763
Technology for Classroom Teachers of Students with Special Needs: PR: EED 3241, RED 3012, LSE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

EEX 4943
Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Fall, Spring.

EEX 5009
Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. Fall, Spring.

EEX 5702
Planning Curriculum for Pre-Kindergarten Children with Disabilities: PR: Open to all ECE students. Curriculum planning; developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.

EEX 5750
Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EEX 5901
Solid Mechanics Lab: PR: EGG 3910 and "C" (2.0) or better in the following class: MAC 2311C, MAC 2312, MAC 2316 and PHY 2048 CR: MAP 2302. Stress concepts, strain, deflection, axial force, torsion, bending, combined stress, Mohr's circle, failure theories, design concepts, application to machines and vehicles. Fall, Spring.

EEX 5902
Solid Mechanics: PR: EGG 3910 and "C" (2.0) or better in the following classes: MAC 2311C, MAC 2312, MAC 2316 and PHY 2048 CR: MAP 2302. Stress concepts, strain, deflection, axial force, torsion, bending, combined stress, Mohr's circle, failure theories, design concepts, application to machines and vehicles. Fall, Spring.

EGN 3310 ECS-CECE 3(3,0) Engineering Analysis-Statics: PR: MAC 2311C, PHY 2048C. Focus on both with a grade of “C” (2.0) or better; CR: MAC 2312. Fundamental concepts of mechanics, including resultants of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3310H ECS-CECE 3(3,0) Honors Engineering Analysis-Statics: PR: Permission of Honors and MAC 2311C, PHY 2048C both with grades of “C” (2.0) or better; CR: MAC 2312. Advanced treatment of material and additional topics, including project work. With Honors content. Fall, Spring.

EGN 3321 ECS-MECH/AERO 3(3,0) Engineering Analysis Dynamics: PR: Honor status, CR: MAC 2313. Kinematics and dynamics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momenta. Fall, Spring.

EGN 3321H ECS-MECH/AERO 3(3,0) Honors Engineering Analysis Dynamics - Dynamics: PR: Permission of Honors and MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.

EGN 3331 ECS-CECE 3(3,0) Mechanics of Materials: PR: EGN 3310 with a grade of “C” (2.0) or better; CR: MAC 2312. Advanced treatment of material and additional topics, including project work. With Honors content. Fall, Spring.


EGN 3358 ECS-MECH/AERO 3(3,0) Thermo-Fluids-Heat Transfer: PR: EGN 3310, MAP 2302. Introduction to first and second laws of thermodynamics, conduction, fluid mechanics, and heat transfer for electrical, industrial, and computer engineering majors. Fall, Spring.

EGN 3365 ECS-MSE 3(3,0) Structure and Properties of Materials: PR: CHS 1440 and MAC 2312. Atomic structure and bonding, crystal structure and imperfections, solidification, phase transformations, phase diagrams, heat treatment, mechanical & electrical properties, materials characterization techniques. Fall, Spring.

EGN 3365H ECS-MSE 3(3,0) Honors Structure and Properties of Materials: PR: MAC 2312, and CHS 1440 or CHM 2045C, and consent of Honors. Atomic bonding; lattices; phonons; crystal structure; diffusion; defects; diffusion; phase equilibria and diagrams; transformations kinetics; mechanical, thermal, electrical, optical, and magnetic properties. With Honors content. Spring.


EGN 3420 ECS-CECE 3(3,0) Engineering Analysis Electronics: PR: High-level computer language; MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting. Fall, Spring.


EGN 3935 ECS-ECS 2(2,0) Leadership in Engineering II: PR: Junior standing in a CECS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Fall.

EGN 3936 ECS-ECS 2(2,0) Leadership in Engineering II: PR: Junior standing in a CECS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Spring.

EGN 4060C ECS-CECS 3(2,3) Introduction to Robotics: PR: COP 3223 or EGN 3211, and EEL 3505 or EEL 4742C or COP 3503C or EGN 3321 or EML 3217. Theory and application of robot topics including: architecture, path planning, sensing and manipulation. Fall.


EGN 4413C ECS-MECH/AERO 3(1,5) Interdisciplinary Design II: PR: EGN 4412C. Combination of interdisciplinary Design I may be repeated for credit. Spring.

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-CECS 3(2,2) Engineering Entrepreneurship: PR: Senior standing, GEB 4152, 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-MECH/AERO 3(2,4) Small Satellite Payloads and Integration: PR: EML 3303C OR EAS 3800C OR EEL 3801C OR ESI 4523C. 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-MECH/AERO 3(2,4) Processing Space-Launch Systems: PR: For ECE: EEL 3505C or EEL 4742C; For IECS: ESI 4523C; For IAE: 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) Energy and Society: Investigation of available energy forms, energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

EGN 4931H ECS-CECS 3(3,0) Honors Engineering Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of seniors in engineering to problems of researching the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.

EGN 4933C ECS-IEMS 1(1,1) Professional Practice I: PR: Junior standing in engineering or computer science. Contemporary global technical issues, professional development, life long learning, and ethical responsibilities. Community service and/or community outreach projects required. Occasional.

EGN 4934C ECS-IEMS 1(2,1) Professional Practice II: PR: EGN 4933C. Continuation of EGN 4933C. Occasional.

EGN 5720 ECS-IEMS 3(2,3) Internal Combustion Engine Analysis and Optimization: PR: EGN 3343 or EGN 3350 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters in the context of thermodynamics, induction flow, and basic mathematical models. Even Fall, Even Spring.

EGN 5840 ECS-MECH/AERO 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 5858C ECS-IEMS 2(2,1) Prototyping and Product Realization: PR: Basic knowledge and/or experience in CAD/CAM technology or C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications and practice of rapid prototyping and reverse engineering technologies. Spring. M&S fee $50.00

EIN 2002 ECS-ECS 1(1,0) Introduction to Industrial Engineering and Management Systems: PR: Sophomore standing and Industrial Engineering Major Status. Introduction to the profession of Industrial Engineering and important skills necessary for success. Course includes presentations by local IE professionals. Fall.

EIN 3314 ECS-IEMS 3(3,0) Work Analysis and Design: PR: STA 3024 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 3351 ECS-IEMS 3(3,0) Engineering Economic Analysis and Cost Engineering: PR: MAC 2311C. Knowledge and understanding of economic evaluation of engineering and management alternatives, cost analysis, budgeting and estimating techniques. Spring.

EIN 3354 ECS-IEMS 3(3,0) Principles of Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. Fall.

EIN 4191C ECS-IEMS 2(2,2) Engineering Leadership Seminar I: PR: Junior or Senior standing in engineering with C.I. Progressive engineering leadership development (intrapersonal to interpersonal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-IEMS 2(2,2) Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.
EIN 4214 ECS-IEMS 3(3,0)
Safety Engineering and Administration:

EIN 4243C ECS-IEMS 3(2,2)
Human Engineering: PR: STA 3032 or C.I. Human-machine systems; design and conduct of human engineering studies. Spring.

EIN 4333 ECS-IEMS 3(3,0)
Production and Distribution Systems: PR: ESI 4312 or C.I. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.

EIN 4364 ECS-IEMS 3(3,0)
Facilities Planning: PR: EIN 3314, EIN 3351. Planning and design of production systems including interrelationships between process layouts, material handling, warehousing and site selection. Spring.

EIN 4391 ECS-IEMS 3(3,0)
Manufacturing Engineering: PR: CHS 1440 or C.I. Initiation of senior design projects. Fall, Spring.

EIN 4455 ECS-IEMS 3(3,0)
Principles of Concurrent Engineering: PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and handle for concurrent engineering and design. Fall, Even Spring.

EIN 4516C ECS-IEMS 3(2,2)
Systems Analysis and Design: PR: ESI 4523C, EIN 4264 or C.I. Systems analysis methodology, system requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of design projects. Fall.

EIN 4517 ECS-IEMS 3(3,0)
Systems Engineering: PR: STA 3032 or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Fall.

EIN 4545 ECS-IEMS 3(3,0)
Industrial Engineering Applications in the Service Industry: PR: EIN 4516C, ESI 4523C and department consent. Capstone design course; application of IEMS techniques to real-world design applications. Spring.

EIN 4621C ECS-IEMS 3(2,2)

EIN 4891C ECS-IEMS 3(2,3)
Industrial Engineering Senior Design Project: PR: EIN 4516C, ESI 4523C and department consent. Capstone design course; application of IEMS techniques to real-world design applications. Spring.

EIN 5018 ECS-IEMS 3(3,0)
The Environment of Technical Organizations: PR: Graduate status or C.I. EGN 4624 recommended. Presence and influence of technical organizations to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117 ECS-IEMS 3(3,0)
Management Information Systems I: PR: C.I. The design and implementation of computer-based information systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140 ECS-IEMS 3(3,0)
Project Engineering: PR: Graduate standing; 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.
Classroom applications of instructional media. Including introduction to 3D rigid body dynamics; central force. Fall, Spring.

Fundamentals of Technology for Educators: PR: Elective course. This course will cover computer science educational applications in the classroom. Fall, Spring.

Technologies of Instruction and Information Management: PR: Acceptance into Ed Media program or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

Technologies for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom.

Electronic Resources for Education: PR: Graduate standing or C.I. A review of electronic options, beam/specimen interactions, image formation, X-ray analysis, specimen preparation, microelectronic applications and crystallography in the SEM.


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.

Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaics, structures, homojunction, heterojunction, and surface barrier solar cells, AM-1SD modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterial interactions; engineered bone and cartilage, scaffolds, replacements; total hip replacements; metal-on-metal bearing surfaces. Occasional.


High Temperature Materials: PR: EGM 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring.

Introduction to Applications of Technology in Education: An introduction to technical applications of instructional media including computers. Occasional.

Applications of Technology in Education: A classroom of computational systems and the use of technology in developing effective computer-based education. Includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

Technologies for Instruction and Information Management: PR: Acceptance into Ed Media program or C.I. Theories and practices in utilizing instructional media and information technology. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

Electronic Resources for Education: PR: Graduate standing or C.I. A review of electronic options, beam/specimen interactions, image formation, X-ray analysis, specimen preparation, microelectronic applications and crystallography in the SEM.

Fundamentals of Technology for Educators: PR: Elective course. This course will cover computer science educational applications in the classroom. Fall, Spring.

Technologies of Instruction and Information Management: PR: Acceptance into Ed Media program or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

Technologies for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom.

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Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterial interactions; engineered bone and cartilage, scaffolds, replacements; total hip replacements; metal-on-metal bearing surfaces. Occasional.


High Temperature Materials: PR: EGM 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring.

Introduction to Applications of Technology in Education: An introduction to technical applications of instructional media including computers. Occasional.
UCF Courses and Descriptions
EML 4231L
ECS-MECH/AERO
3(0,3)
Advanced Mechanics of Structures: PR: EGM
3601. An in depth analysis of the various modes of
mechanical failure and characterization of structures with
applications in MAE. Fall, Spring.

EML 4502C
ECS-MECH/AERO
3(1,6)
Engineering Design II: PR: EML 4501C, EML 4991.
Continuation of the design process in the team building
and testing of a prototype. A test plan and a test report are
completed. Fall, Spring. M&S fee $60.00

EML 4260
ECS-MECH/AERO
3(3,0)
Dynamics of Machinery: PR: EML 3262 or
EML 3217, EML 4220 or EML 4225. Critical speeds
and response of flexible rotor systems, whirl, gyroscopic
effects; balancing of rotating and reciprocating masses; cam
dynamics. Occasional.

EML 4504
ECS-MECH/AERO
3(3,0)
Design & Analysis of Machine Components
II: PR: EML 3500; CR: EML 4535C. Application of
the principles of component analysis to the design of
mechanisms. Spring.

EML 4264
ECS-MECH/AERO
3(3,0)
Vehicle Dynamics: PR: EML 3262 or EML 3217,
EML 4220 or EML 4225. Basic mechanics governing
vehicle dynamics, performance and handling; acceleration,
braking, ride, cornering, suspension, steering, rollover.
Occasional.

EML 4535C
ECS-MECH/AERO
3(2,3)
CAD/CAM: PR: EGN 3343, EML 3034C, and EGM 3601;
CR EAS 4200 or EML 3500. CAD/CAM/FEM computational
technology. Basic concepts. Concurrent engineering
approach to mechanical, thermal, and aerospace systems
design and analysis. Use of in-house software. Fall,
Spring.

EML 4293C
ECS-MECH/AERO
3(2,2)
Essentials of Miniature Engineering Systems:
PR: EGM 3601, EGN 3365 or EMA 3706. Engineering
of miniature mechanical, thermal, energy, and electrical
systems, including advantages, microfabrication methods,

EML 4600
ECS-MECH/AERO
3(3,0)
Heating, ventilation, air-conditioning, and refrigeration
principles and systems design. Phychrometrics, heating and
cooling loads, equipment and components, and distribution
systems. Fall.

EML 4301C
ECS-MECH/AERO
3(2,3)
Mechanical Systems Lab: PR: EML 3303C,
EGM 3601; CR: EML 4225. Teaching laboratory in solid
mechanics, dynamic vibrations and control-feedback
testing and theory; designing and conducting experiments;
analyzing and interpreting data. Spring.

EML 4602
ECS-MECH/AERO
3(3,0)
Applied HVAC Engineering: PR: EGN 3343; CR:
EML 4142. Applications of HVAC systems design with
the objective of optimizing energy efficiency, humidity
control, ventilation, and indoor air quality. Dehumidification
performance of the various HVAC system types and their
interactions with the building. Spring.

EML 4304C
ECS-MECH/AERO
2(1,3)
Design of Thermo-Fluid Experiment: PR: EML
3303C, CR: EML 4142, EML 4220. Measurements and
experiments in Thermo-Fluids systems with emphasis on
project team activity. Spring. M&S fee $45.00
EML 4306C
ECS-MECH/AERO
3(1,3)
Energy Systems Lab: PR: EML 3303C; CR: EML
4142. Design of experiments in Thermo-Fluid Systems with
emphasis on project team activity. Spring.
EML 4309C
ECS-MECH/AERO
3(1,3)
Experimental Mechanics: PR: EGM 3601, and
EML 3303C or EAS 3800C. Experimental application
of the principles of solid mechanics with treatment of
manufacturing. Fall, Spring.
EML 4312C
ECS-MECH/AERO
3(2,3)
Feedback Control: PR: EGN 3321, MAP 2302, EGN
3373 and EML 4220 or EAS 4210C. Mathematical modeling
of dynamic systems: transient and steady state response;
Root Locus and z-transform methods; discrete systems
analysis; controller design. Fall.
EML 4313
ECS-MECH/AERO
3(3,0)
Intermediate System Dynamics and Controls:
PR: EML 3217, MAP 2302, EGN 3373 and EML 4225. 3D
rigid body kinetics, modal analysis, state equations, systems
concepts, stability criteria, role of uncertainty in feedback,
z-transform and introduction to digital control. Fall.
EML 4411
ECS-MECH/AERO
3(3,0)
Analysis and design of large power generating systems and
components, with emphasis on steam plants utilizing both
chemical and nuclear fuels. Occasional.
EML 4454
ECS-MECH/AERO
3(3,0)
Turbines for Sustainable Power: PR: EGM 3601,
EGN 3365 or EMA 3706, EML 3701 or EAS 3101, EML
4142; CR: EML 4220 or EAS 4210. Multidisciplinary aspects
of turbine design for sustainable power generation including
aerodynamics to combustion and emissions to reliability;
covers multiple applications of conventional and green
technologies. Occasional.
EML 4501C
ECS-MECH/AERO
3(1,6)
Engineering Design I: PR: EML 3701, EML 3303C,
EML 4142 and department consent; CR: EML 4991.
Application of the design process in the team solution of a
state-of-the-art problem. Aerospace, mechanical, thermofluid, or material problems are considered. Fall, Spring.

EML 4703
ECS-MECH/AERO
3(3,0)
Fluid Mechanics II: PR: EML 3701. Continuation
of Fluid Mechanics I. External flows, fluid machinery,
compressible flows, design projects. Fall.
EML 4804C
ECS-MECH/AERO
3(2,3)
Digital Control in Mechatronics: PR: EML
4312C and EML 3303C. Discrete microprocessor control
of mechatronics dynamic systems using state-space
representation, digital controllers, design for mechatronic
applications. Spring. M&S fee $15.00
EML 4991
ECS-MECH/AERO
0(0,0)
Mechanical Career and Academic Faculty
Advising II: PR: EML 3990 and department consent.
Mandatory meeting with students and their faculty advisor
for career/academic advising. Graded S/U. Fall, Spring.
EML 5026C
ECS-MECH/AERO
3(2,2)
Advanced Engineering Design Practice: PR:
EGM 3601; CR: (EML 3500 or EAS 4200) 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. Occasional.
EML 5060
ECS-MECH/AERO
3(3,0)
Mathematical Methods in Mechanical and
Aerospace Engineering: PR: MAP 2302. Vector
field theory, generalized coordinates, complex variables,
contour integration and Laplace and Fourier transforms and
inversions, variable coefficient ODEs and solution of PDEs
for governing equations of heat transfer, ideal fluid flow, and
mechanics. Fall.
EML 5066
ECS-MECH/AERO
3(3,0)
Computational Methods in Mechanical and
Aerospace Engineering: PR: EML 3034C. Error
Norms, interpolation and extrapolation, quadratures and
adaptive quadratures, solutions of linear and nonlinear
systems of equations, functional approximation, solution of
ODE’s and MWR. Occasional.
EML 5090
ECS-MECH/AERO
0(0,0)
Mechanical and Aerospace Seminar: PR:
Graduate standing or C.I. The course is intended to help
MAE graduate students practice public speaking, learn
skills of scientific communication, expand their width of
knowledge, and promote collaborations. May be repeated.
Odd Spring.

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EML 5105
ECS-MECH/AERO
3(3,0)
Gas Kinetics and Statistical Thermodynamics:
PR: EAS 4134 or EML 4703. Molecular and statistical
viewpoint of gases and thermodynamics; Boltzmann
collision integral, partition functions, non-equilibrium flows.
Applications in thermo-fluid systems. Occasional.
EML 5152
ECS-MECH/AERO
3(3,0)
Intermediate Heat Transfer: PR: EML 4142, EML
5060. An intermediate-level course dealing with heat and
mass diffusion, boundary layer problems, and radiation
from real bodies. Emphasis on combined modes, numerical
methods. Occasional.
EML 5228C
ECS-MECH/AERO
3(3,0)
Modal Analysis: PR: EML 3303C, EML 4220, and
EML 5060. Theoretical basis. Measurement techniques,
excitation, transducers, data acquisition. Detailed data
analysis, modal parameter extraction, curve-fitting
EML 5237
ECS-MECH/AERO
3(3,0)
Intermediate Mechanics of Materials: PR: EML
3500 or EAS 4200. Elements of elasticity. Failure theories.
EML 5271
ECS-MECH/AERO
3(3,0)
Intermediate Dynamics: PR: EGN 3321 or
EML 3217. Dynamics of particles, rigid bodies, and
distributed mass systems. Topics include: Hamilton’s
principle, Lagrange’s equations, Numerical methods, and
Mechanisms. Occasional.
EML 5290
ECS-MECH/AERO
3(3,0)
Introduction to MEMS and Micromachining:
PR: Graduate standing or C.I. Introduction of MicroElectro-Mechanical-Systems (MEMS) and micromachining
(microfabrication) methods. Etching and etching mask.
Basics of silicon macromachining processing. Fundamentals
of bulk micromachining. Thin film formation and surface
micromachining. Microplating and LIGA process.
Nonlithographic micromachining process including laser.
May be repeated for credit. Odd Fall.
EML 5291
ECS-MECH/AERO
3(3,0)
MEMS Materials: PR: EML 5060, EML 6211, or C.I.
Introduction of materials that are frequently used for MEMS
applications such as silicon, metal, ceramics and polymers.
The course will focus on fundamental principles involved
in structures and properties of the materials, and their
applications in MEMS. Even Spring.
EML 5292
ECS-MECH/AERO
3(3,0)
Fundamental Phenomenon and Scaling laws
in Miniature Engineering Systems: PR: EML
5060, EML 6211, or C.I. Introduction to meso-, micro-,
and nano-scales, and related terminology, constitutive
relationships at these scales and how these relationships
affect the behavior and performance of systems. Effect of
miniaturization on a few common engineering systems.
Odd Fall.
EML 5311
ECS-MECH/AERO
3(3,0)
System Control: PR: EML 4312C; CR: EML 5060.
Modern control theory for linear and non-linear systems;
controllability and observability. Linear state feedback and
state estimators, compensator design. Occasional.
EML 5402
ECS-MECH/AERO
3(3,0)
Turbomachinery: PR: EML 3101, EML 4703 or EAS
4134. Application of the principles of fluid mechanics,
thermodynamics, and aerodynamics to the design and
analysis of steam and gas turbines, compressors, and
pumps. Occasional.
EML 5403
ECS-MECH/AERO
3(3,0)
Science and Technology of Fuel Cells: PR:
EGN 3365, EMA 4102 or C.I. Fundamental knowledge
along with hands-on experience with design, manufacturing
and operation of fuel cells. Occasional.
EML 5430C
ECS-MECH/AERO
3(2,3)
Design for Manufacturing in Turbomachinery:
Gas/Steam/Wind Turbines & Generators: PR:
EGN 3365 or EMA 3706. Overall assembly of rotating and
stationary components in power generation powertrains;
probabilistic design, materials, coatings, manufacturing
steps, defects for gas/steam/wind turbines and generators.
Fall.

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EML 5341C  ECS-MECH/AERO  3(2,3)
Design for Mechanical & Dynamic Integrity and Turbine Machinery: PR: EGM 3601, EML 4220 or EML 4225, EGN 3365 or EMA 3706. Mechanical & dynamic integrity issues such as creep, fatigue, fracture, rotordynamics, vibration, flutter, as related to turbines and generators; reliability, cost-time-performance trade-off in design. Spring.

EML 5456  ECS-MECH/AERO  3(3,0)
Turbines for Sustainable Power: PR: EGM 3601, (EGN 3365 or EMA 3706), (EML 3701 or EAS 3101); CR: EML 4220 or EAS 4142. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability, covers multiple applications of convention and green technology. Fall.

EML 5532C  ECS-MECH/AERO  3(2,3)
Computer-Aided Design for Manufacture: PR: EGN 4353C. Builds on introductory material covered in EML 4535C. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, aerospace, and aerospace systems. Occasional. M&S fee $15.00.

EML 5546  ECS-MECH/AERO  3(3,0)

EML 5572  ECS-MECH/AERO  3(3,0)

EML 5587C  ECS-MECH/AERO  3(2,3)
Mechanics of Biostructures I: PR: Graduate standing or C.I. Part 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-MECH/AERO  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 5713  ECS-MECH/AERO  3(3,0)

EML 5760  ECS-MECH/AERO  3(3,0)

EML 5761C  ECS-MECH/AERO  3(2,3)
Applied and Computational Biofluids: PR: EML 4364C, EML 4703. Principles and foundations of applied fluid mechanics and computational methods to the human circulation. In addition to case studies, the course provides laboratory experiences in bioengineering with application to biofluid mechanics. Odd Spring.

EML 5936  ECS-MECH/AERO  1(1.0)

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 1102H  CAH-WRITE  3(3.0)
Honors Freshman Composition II: PR: ENC 1101H 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 1130  CAH-WRITE  3(3.0)
Improving College-Level Writing: Entry-level writing course designed to prepare students to read and write effectively at the college level. Fall.

ENC 2127  CAH-ENG  3(0.0)
Grammar and Composition I: A systematic study of grammar and mechanics to improve editing for clarity and accuracy in writing. Occasional.

ENC 2411C  CAH-ENG  3(2,1)
Digital Literacy for the Liberal Arts: Designed to help students better understand how computer technologies have shaped our society and ourselves; to become critical consumers of technology; to acquire a critical sensitivity regarding the manner in which technology affects and is affected by texts. Occasional.

ENC 3211  CAH-ENG  3(3.0)
Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, or C.I. Examining definitions and theoretical foundations in technical writing field, and the roles of writers in industry. Fall, Spring.

ENC 3211H  CAH-ENG  3(3.0)
Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, or C.I. And permission of Honors. Same as ENC 1102H, with honors-level content. Note on Freshman English Program: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The "NC" grading policy applies to this course. Fall, Spring.

ENC 3313H  CAH-ENG  3(3.0)
Honors Rhetoric and Civic Engagement: PR: Consent of Honors. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. Fall, Spring.

ENC 3319  CAH-ENG  3(3.0)
Rhetorical Traditions: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines the roots of rhetoric and the evolution of its theoretical, pedagogical and civic tradition. Even Spring.

ENC 3331  CAH-WRITE  3(3.0)
Rhetoric and Civic Engagement: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. With Honors Content. Even Spring.

ENC 3351  CAH-WRITE  3(3.0)
Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines freelance markets, article genre, and the rhetorical skills needed to design and produce articles for specific audiences and publications. Occasional.

ENC 3351H  CAH-WRITE  3(3.0)
Honors Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102, and consent of Honors. Examines freelance markets, article genre, and the rhetorical skills needed to design and produce articles for specific audiences and publications, and editorial roles for publications. With Honors content. Occasional.

ENC 3372  CAH-WRITE  3(3.0)
Topics in Civic Rhetoric and Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to civic rhetoric and writing. Occasional.

ENC 3373  CAH-WRITE  3(3.0)
Cultural Rhetorics: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of the diverse cultural production of and the cultural forces impacting the rhetoric of individuals and communities. Occasional.

ENC 3375  CAH-WRITE  3(3.0)
Rhetoric in Popular Culture: PR: Grade of "C" (2.0) or better required in ENC 1102. Exploration of how persuasion works in a specific set of popular culture discourses, such as sports, music, and gaming. Occasional.

ENC 3417  CAH-WRITE  3(3.0)
Literacy and Technology: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of technology’s impact on writing and literacy, focus on new media. Spring.

ENC 3433  CAH-WRITE  3(3.0)
Multimedia Writing and Composition: PR: "C" (2.0) or better in ENC 1102 C.I. Study and practice of multimedia writing (involving sound, visual, and linguistic forms) with an emphasis on the process of text production and remixing for different rhetorical contexts and audiences. Occasional.

ENC 3453  CAH-WRITE  3(3.0)
Writing About Health and Medicine: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Writing practices and genres of the health professions, with emphasis on writing about health and medicine for lay audiences. Occasional.
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ENC 3454 CAH-WRITE (3,0)
Topics in Professional and Digital Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to professional and/or digital writing. Occasional.

ENC 3455 CAH-WRITE (3,0)
Writing about Science and Technology: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Writing about scientific and technological research and development for non-scientific audiences (including novices and policymakers). Occasional.

ENC 3455H CAH-WRITE (3,0)
Honors Writing About Science and Technology: PR: Consent of Honors. Writing about scientific and technological research and development for non-scientific audiences, including laypeople and policymakers. With Honors content. Occasional.

ENC 3456H CAH-WRITE (3,0)
Honors Writing about Health and Medicine: PR: Consent of Honors. Writing practices and genres of the health professions, with emphasis on writing about health and medicine for lay audiences. With Honors content. Occasional.

ENC 3473 CAH-WRITE (3,0)
Writing in Disciplinary Cultures: PR: Grade of "C" (2.0) or better required in ENC 1102. Project-based study of writing (including genres, conventions, and arguments) in disciplines across the university. Occasional.

ENC 3502 CAH-WRITE (3,0)
Researching Writing and Literacy: PR: Grade of "C" (2.0) or better required in ENC 1102. Overview of important knowledge domains and lines of inquiry in writing and literacy research, with emphasis on research methodologies. Occasional.

ENC 3503 CAH-WRITE (3,0)
Topics in Writing & Literacy Studies: PR: Grade of "C" (2.0) or better required in ENC 1102. An in-depth study of writing (including genres, conventions, and arguments) in disciplines across the university. Individualized topics of study and/or research in writing with personalization. May be repeated for credit. Occasional.

ENC 3521 CAH-WRITE (3,0)
Writing Across Difference: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines cultural influences on language and literacy practices, with emphasis on applications for writing teachers. Occasional.

ENC 3905 CAH-ENG (3,0)
Directed experience in Writing: PR: Grade of "C" (2.0) or better required in ENC 1102 and C.I. Individualized topics of study and research in writing with personalized faculty direction. May be repeated for credit. Occasional.

ENC 3942 CAH-ENG (3,0)
Journal Writing Practicum: PR: Grade of "C" (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. Occasional.

ENC 4212 CAH-WRITE (3,0)
Professional Editing: PR: Grade of "C" (2.0) or better required in ENC 1102. Students will perform different types and levels of editing on a range of print and online texts from business and nonprofit contexts. Even Fall.

ENC 4215 CAH-ENG (3,0)
Technical Publication and Project Management: PR: Grade of "C" (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing composition and printing; word processing, automated text processing, methods of reproduction. Introduction to graphics; style, format, layout, and boardwork. Spring.

ENC 4218 CAH-ENG (3,0)
The Visual in Technical Documentation: PR: Grade of "C" (2.0) or better required in ENC 4293. Relevant theories of the visual and their application to technical communication practice. Fall.

ENC 4262 CAH-ENG (3,0)
International Technical Communication: PR: Grade of "C" (2.0) or better required in ENC 3211 or ENC 3241 or C.I. International issues in the field of technical communication including internationalizing documents, user interface design, international collaboration, and rhetorical and logistical challenges. Occasional.

ENC 4265 CAH-ENG (3,0)
Writing for the Computer Industry: PR: Grade of "C" (2.0) or better in ENC 1102 and junior standing, or C.I. Creating different kinds of software manuals or online help systems for the computer industry. Occasional.

ENC 4275 CAH-WRITE (3,0)
Theory and Practice of Tutoring Writing: PR: Grade of "C" (2.0) or better in ENC 1102 and C.I. Theory and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. Fall.

ENC 4280 CAH-ENG (3,0)
Technical Writing Style: PR: Grade of "C" (2.0) or better required in ENC 3211 or ENC 3241 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. Spring.

ENC 4290 CAH-ENG (3,0)
Usability Testing for Technical Communication: PR: Grade of "C" (2.0) or better required in ENC 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. Occasional.

ENC 4293 CAH-ENG (3,0)
Documentation and the Collaborative Process: PR: Grade of "C" (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include style manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4294 CAH-ENG (3,0)
Documentation and Client-Based Collaboration: PR: Grade of "C" (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student's particular field. Should be taken concurrently with ENC 4215. Fall, Spring.

ENC 4298 CAH-ENG (3,0)
Technical Communication for the Virtual Workplace: PR: ENC 1102. Collaborative technologies used in the modern workplace and the challenges associated with virtual collaboration. Students will participate in a virtual team project. Fall, Spring.

ENC 4312 CAH-ENG (3,0)
Theory & Practice of Persuasive Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical emotional and ethical appeals. Occasional.

ENC 4313 CAH-ENG (3,0)
Research Writing: PR: Grade of "C" (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4353 CAH-WRITE (3,0)
Writing for Social Change: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Study of how activist writing and other symbolic action can be used to mobilize social or policy change around contemporary controversial issues. Occasional.

ENC 4354 CAH-WRITE (3,0)
Writing with Communities and Nonprofits: PR: Grade of "C" (2.0) or better required in ENC 1102. Study and practice of methods for writing in partnership with nonprofits and the communities they serve, with an emphasis on audience analysis and community engagement. Occasional.

ENC 4354H CAH-WRITE (3,0)
Honors Community-Based Research and Writing: PR: Grade of "C" (2.0) or better required in ENC 1102, and consent of Honors. Study, application, assessment, and presentation of community-based research and writing using various methods, including intercultural inquiry. With Honors content. Occasional.

ENC 4360 CAH-ENG (3,0)
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 (3,0)
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 4378 CAH-WRITE (3,0)
Writing in Global and Transnational Contexts: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Examination of the ways language and rhetoric travel across cultures and countries, with practice strategies for transnational communication with local and global audiences. Occasional.

ENC 4414 CAH-ENG (3,0)
Writing and Hypertext: PR: Grade of "C" (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext. Occasional.

ENC 4415 CAH-ENG (3,0)
Digital Rhetorics and The Modern Dialectic: PR: Grade of "C" (2.0) or better required in ENC 4293. Students will investigate the development of digital rhetorics appearing in online environments through close reading and analysis of formatic, textual, fiction, and internet materials. Fall, Spring.

ENC 4416 CAH-ENG (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-ENG (3,0)
Contemporary Composition Theory: PR: Grade of "C" (2.0) or better required in ENC 1102. Considers major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. Occasional.

ENC 4523 CAH-WRITE (3,0)
Writing and Identity: PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly in relation to gender, race, class, sexual identity and other difference issues. Occasional.

ENC 4545 CAH-WRITE (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 (3,0)
Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Presents theory and practice of how document usability is assessed and improved. Occasional.

ENC 5237 CAH-ENG (3,0)
Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5276 CAH-WRITE (3,0)
Writing/Consulting: Theory and Practice: PR: Graduate standing or senior standing or C.I. The theory and practice of assessing and preparing to write as a collaborator (as opposed to evaluator). Fall.

ENC 5337 CAH-ENG (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.
ENL 3810 CAH-ENG 3(3,0)
Theoretical and Practical Criticism: PR: Grade of C (2.0) or better required in ENC 1102. Study of selected works for specialized fields of discourse, including the medical and legal profession, as well as for general publication. Occasional.

ENL 3814 CAH-ENG 3(3,0)
Theories and Techniques of Literary Study: PR: Junior or senior standing or C.I. 3(3,0) 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.

ENL 3820 CAH-ENG 3(3,0)
Trends in Literary, Cultural, and Textual Studies: PR: Grade of C (2.0) or better required in ENC 1102. Literary analysis of textual production within contemporary social trends and new technologies. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ENL 3831 CAH-ENG 3(3,0)
Digital Archives: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Examines "debates" in the digital humanities and prepares students to work with the creation, management, and preservation of digital archives content. Occasional.

ENL 3833 CAH-WRITE 3(3,0)
Marketing Your Writing: PR: C (2.0) or better required in ENC 1102 or C.I. Exploration of writing markets and publishing opportunities. Includes the submission process, and author marketing and negotiation strategies. Spring.

ENL 4114 CAH-ENG 3(3,0)
Literature and Film: PR: Grade of C (2.0) or better required in ENG 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.

ENL 4140 CAH-ENG 3(3,0)

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.

ENL 3901 CAH-ENG 3(3,0)
Introduction to Environmental Engineering: PR: ENG 3014 or CWR 3204C. 3(3,0) or better required with a grade of C (2.0) or better. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water and land pollution.

ENL 4120 ECS-CECE 3(3,0)
Air Pollution Control Design: PR: ENG 3334, CWR 3201 and ENV 3001 all with a grade of C (2.0) or better. Air pollution engineering including air resources management, engineering design, and operation of air pollution control systems.

ENL 4122C ECS-CECE 3(2,2)
Air Pollution Control Design: PR: ENG 4120 with grade of C (2.0) or better and department consent. Project course on design of air pollution control equipment and systems. Spring.

ENL 4300C ECS-CECE 3(2,2)
Solid & Hazardous Waste Facility Design: PR: ENG 4341 and CWR 3201 or ENG 4343 with grade of C (2.0) or better and department consent. Project course on design of municipal solid waste landfill. Occasional.

ENL 4341 ECS-CECE 3(3,0)
Solid & Hazardous Waste Management: PR: ENG 4341 and CWR 3201 both with a minimum grade of C (2.0) or better. Advanced course water and wastewater treatment including design considerations with effluent and sludge handling, treatment, and disposal. Fall, Spring.

ENL 4433C ECS-CECE 3(2,2)
Environmental Engineering Wastewater Treatment Design: PR: EES 4111C. ENV 4531 both with grades of C (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. Occasional.

ENL 4531 ECS-CECE 3(3,0)
Environmental Engineering Operations & Processes I: PR: ENV 3001, CWR 3201 both with a minimum grade of C (2.0) or better. Water and wastewater treatment design considerations with effluent and sludge handling, treatment, and disposal. Fall, Spring.

ENL 4561 ECS-CECE 3(3,0)
Environmental Engineering Operations & Processes II: PR: ENV 4531 with a grade of C (2.0) or better. Advanced course water and wastewater treatment including biological nutrient removal and desalination. Fall, Spring.

ENL 4562C ECS-CECE 3(2,2)
Environmental Engineering Wastewater Treatment Design: PR: EES 4202C and ENV 4531 both with grades of C (2.0) or better and department consent. Application of systems design criteria in the specification and design of a full scale potable water treatment plant. Spring. M&S fee $43.00

ENL 5335 ECS-CECE 3(3,0)
Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENL 5356 ECS-CECE 4(4,0)
Solid and Hazardous Waste Management: PR: Grade of C (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENL 5410 ECS-CECE 3(3,0)
Water Treatment: PR: EES 4202C or ENV 5517 or C.I. Potable water regulations, standards, chemical reactors, oxidation, disinfection, disinfection by-products, ultraviolet irradiation, internal corrosion and microbial control in municipal and industrial water distribution systems. Odd Spring.

ENL 3231 CAH-ENG 3(3,0)
Restoration Literature: PR: Grade of C or better in ENG 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 3296H CAH-ENG 3(3,0)

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 4101 CAH-ENG 3(3,0)
English Novel: PR: Grade of C (2.0) or better required in ENG 2014. Analysis of major English novels. Occasional.

ENL 4220 CAH-ENG 3(3,0)
English Renaissance Poetry and Prose: PR: Grade of C (2.0) or better required in ENG 4214. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lyly & others. Occasional.

ENL 4230 CAH-ENG 3(3,0)
18th Century Studies: PR: Grade of C (2.0) or better required in ENG 4214. Reading, analysis, and discussion of literature in English: 1680-1880. May be repeated for credit. Occasional.

ENL 4240 CAH-ENG 3(3,0)
English Romantic Writers: PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlit, Lamb, Byron, Shelley and Keats. Occasional.

ENL 4253 CAH-ENG 3(3,0)
The Victorian Age: Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossettis, and Emily Bronte. Occasional.

ENL 4262 CAH-ENG 3(3,0)
Nineteenth Century British Prose: PR: Grade of C (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. Occasional.

ENL 4273 CAH-ENG 3(3,0)
Modern British Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major works of modern British literature. Occasional.

ENL 4303 CAH-ENG 3(3,0)
British Authors: PR: ENG 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ENL 4311 CAH-ENG 3(3,0)
Chaucer: PR: Grade of C (2.0) or better required in ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works. Occasional.

ENL 4333 CAH-ENG 3(3,0)
Shakespeare Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare's plays. May be repeated for credit. Occasional.

ENL 4341 CAH-ENG 3(3,0)
Milton and His Age: PR: Grade of C (2.0) or better required in ENG 3014, Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. Occasional.
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ENV 5505 ECS-CECE 3(3,0) Sludge Management Operations in Environmental Engineering: PR: ENV 456L. Theory and design of sludge management operations and processes in environmental engineering, including stabilization dewatering and ultimate disposal. Occasional.

ENV 5517 ECS-CECE 3(3,0) Engineering Chemical and Biological Processes: CR: ENV 456L(or equivalent) of C.I. Coverage of hydrologic chemistry, softening and coagulation, and disinfection of water. Microbiology and biochemistry as applied to activated sludge system design.

ENV 5636 ECS-CECE 3(3,0) Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with the emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.

ENY 4004C COS-BIOL 4(2,6) General Entomology: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Biology of insects: identification, taxonomy, behavior, and ecology. Occasional. M&S fee $15.00

ENY 5006C COS-BIOL 4(2,6) Entomology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Morphology, physiology, ontogeny, behavior, ecology and population biology of insects. Occasional. M&S fee $40.00

EPD 5395 ED-CFCS 3(3,0) Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.

ESE 3940 ED-TL&L 3-16(0,16) Internship I - Secondary: PR: EDG 4410 and C.I. Student teaching in a secondary school under the supervision of a certified classroom teacher. Grade SU. Occasional.

ESE 4942 ED-TL&L 1(1,0) Internship II Seminar: PR: Internship I in the specific discipline; CR: Internship II in the specific discipline. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.

ESE 4943 ED-TL&L 7-12(0,35) Internship II - Secondary: PR: ESE 3940 or IDE 3942. Student teaching in a secondary school under the supervision of a certified classroom teacher. Scheduled concurrent seminars. Graded SU or Letter grade. Occasional.


ESI 4234 ECS-IEMS 3(3,0) Quality Engineering I: PR: STA 3032. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering. Fall.

ESI 4312 ECS-IEMS 3(3,0) Operations Research: PR: STA 3032 and MAS 3105. Introduction to linear, non-linear, and computer programming. Decision analysis, random processes, and queueing. Course covers theory through application and implementation of results. Fall.

ESI 4321 ECS-IEMS 3(3,0) Quantitative Techniques in Industrial Engineering: PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. Even Fall.

ESI 4523C ECS-IEMS 3(2,3) Systems Simulation: PR: STA 3032 or C.I. Methods and procedures for simulating large-scale systems with digital computers. High level simulation languages are used. Spring.

ESI 4626C ECS-IEMS 3(2,3) Industrial Engineering Applications of Computers: PR: EIN 2002 and STA 3032. Survey of microcomputer methods in industrial engineering practice. Topics include; spreadsheets, databases, expert systems, and project management. Lab exercises. Fall.

ESI 5219 ECS-IEMS 3(3,0) Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, nonparametric statistics and ANOVA. Fall, Spring.

ESI 5227 ECS-IEMS 3(3,0) Total Quality Improvement: PR: STA 3032 or equivalent. Quality improvement (QI) tools and techniques, advanced QI techniques, quality improvement systems, total quality management concepts and implementation, planning and management tools, and case studies. Odd Fall.

ESI 5236 ECS-IEMS 3(3,0) Reliability Engineering: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, maintainability, reliability standards (DOO), software reliability, reliability in design, and electronic systems reliability. Fall.

ESI 5306 ECS-IEMS 3(3,0) Operations Research: PR: STA 3032. Methods of operations research, including formulation for models and derivation of solutions; linear programming, network models queuing theory, simulation, and nonlinear optimization techniques. Fall.

ESI 5359 ECS-IEMS 3(3,0) Risk Assessment and Management: PR: ESI 5219 or STA 3032. Problems and complexities involved in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. Occasional.

ESI 5419C ECS-IEMS 3(2,2) Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Continuation of linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practical or analysis. Odd Fall.

ESI 5531 ECS-IEMS 3(3,0) Discrete Systems Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. Spring.


ETI 4186 ECS-ECS 3(3,0) Applied Reliability: PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components. Odd Spring.

ETI 4448 ECS-ECS 3(3,0) Project Management: PR: Junior Standing. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or nonprofit organizations. Spring.

ETI 4635 ECS-ECS 3(3,0) Technical Administration: PR: Junior Standing. Techniques of applying management principles to professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. Fall, Spring.

ETI 4640 ECS-ECS 3(3,0) Operations Management and Technologists: ETI 4635. Scheduling techniques (PERT) and (CPM) are presented. Time Study Methods, Work Sampling and MTM are covered. Fall.

EUI 2000 CAH-HIST 3(3,0) Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.


EUI 2001 CAH-HIST 3(3,0) Western Civilization II: A survey of Western civilization from 1648 to present. May be taken before EUIH 2000. Fall, Spring.

EUI 2001H CAH-HIST 3(3,0) Honors Western Civilization II: PR: Permission of Honors. A survey of western civilization from 1648 to present. May be taken before EUIH 2000. Honors-level content. Fall, Spring.

EUI 3122 CAH-HIST 3(3,0) Medieval Society and Civilization: PR: EUIH 2000 and 2001 or C.I. Fall, Spring.

EUI 3124 CAH-HIST 3(3,0) The Crusades: PR: EUIH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of “just war” and jihad. Even Spring.

EUI 3142 CAH-HIST 3(3,0) Renaissance and Reformation: PR: EUIH 2000 and EUH 2001. C.I. Influence of Renaissance on arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years’ War. Occasional.

EUI 3180 CAH-HIST 3(3,0) Sorcerers, Saints and Heretics: Religion in the Medieval World: PR: EUH 2000 and C.I. Examines the mixture of superstition, paganism, heresies, Jewish and Muslim communities and the rising Catholic Church and Muslim communities. Occasional.

EUI 3235 CAH-HIST 3(3,0) Romanticism and Realism: PR: EUH 2000 and 2001 or C.I. Napoleon and nationalism; new ideas; conservation; liberalism, romanticism and socialism, urbanization, technology and mass culture, religious decline; Realpolitik, racism, imperialism, and militarism. Occasional.

EUI 3242 CAH-HIST 3(3,0) Modern Europe and the First World War: A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare. Occasional.

EUI 3281 CAH-HIST 3(3,0) Second World War and Rebirth of Europe: PR: EUH 2000 and 2001 or C.I. Origins of World War II; Hitler’s “New Order” and resistance movements; Cold War: de-Stalinization of Russia; Sovietization of East Central Europe; Western reconstruction, and prosperity. Occasional.


EUI 3431 CAH-HIST 3(3,0) History of Modern Italy: PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-WWII era. Occasional.
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics and research of human capabilities and human interfaces with human-machine systems. Fall.

Psychology of Learning and Motivation: PR: DEP 5057, 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.

Cinema Survey: Introductory course that focuses on different approaches to studying cinema. Fall, Spring.

Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall, Spring.

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

History of Motion Pictures: The history of motion pictures as art and industry, from 1895 to the present. Fall, Spring.

Script Analysis: PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

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.

Cinematography I: PR: FIL 2552 and FIL 2480. Concepts and tools of cinematography and lighting. Fall. M&S fee $5.00


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.

Editing I: PR: FIL 1006 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using nonlinear editing systems. Spring.

Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall, Spring.

Film Histories II: PR: FIL 2030. Surveys and questions historical approaches to film and seeks to open up the field of historical enquiry to a variety of views. Fall.

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.

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.

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.


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.

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.

Cinema in the 1940s and 1950s: PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

Cinema in the 1960s and 1970s: PR: FIL 3035C. Films of the 1960s and 1970s as they relate to the political, social, cultural, and artistic context of the period. Occasional.

Cinema in the 1980s to the Present: PR: FIL 3035C. Films from the 1980s and onward as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

Film and Modernism I: PR: FIL 3035C and ARH 2050. Reflection of modernist principles centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. Spring.

Film and Modernism II: PR: FIL 3035C and ARH 2051. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

Writing for Film and TV: PR: Junior standing. ENC 1102, and FIL 1007. Theories and process of screen writing for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring.

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 among narrative forms. Fall.

Short Script II: PR: FIL 3115 and Film BFA or World Cinema, or Cinema Studies major. Or, C.I. Advanced writing of short scripts in preparation for Capstone 1 and 2 courses. Spring.

Documentary Vision: PR: FIL 3036C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

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.

Film Documentary: PR: FIL 2030 and Film BFA or Cinema Studies major. The uses and analysis of the non-fiction film. Fall, Spring.

Advanced Documentary Production: PR: FIL 2107, FIL 3845, or C.I. Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional.


Introduction to Film Production: PR: or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall.

Film Landscapes: Story, Image, and Production Design: PR: FIL 2107 or FIL 3427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. Occasional.

Cinematic Expression: PR: FIL 3035C. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. Spring.

Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. Occasional.

Performance in Film: PR: FIL 3035C. Study of the different traditions and forms of acting in film. Occasional.

Film and Modernism for Film I: PR: FIL 3427C and Film BFA or C.I. Technical and aesthetic aspects of production and post-production sound recording, editing, and mixing for film. Fall.

Introduction to Animation: PR: DIG 3951 and Declared Character Animation Specialization, or ART 3950 and declared Experimental Animation specialization, or a minimum grade of “B” (3.0) in DIG 4713 and Declared Game Design specialization. Introductory computer graphics techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall, Spring.

Introduction to Animation: PR: DIG 3951 and Declared Character Animation Specialization, or ART 3950 and declared Experimental Animation specialization, or a minimum grade of “B” (3.0) in DIG 4713 and Declared Game Design specialization. Introductory computer graphics techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall, Spring.

Intermediate Animation: PR: Experimental Animation and Character Animation majors only, FIL 3720C and DIG 4780C, and successful portfolio review or C.I. Focus on 3D computer modeling and animation systems. Insists-on-exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. Fall, Spring.

Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War Period. Fall.

Film Theory and Criticism II: PR: FIL 2107 and Film BFA or Cinema Studies major. Major film theories from Second World War period to present. Spring.

Film Theory and Practices: PR: FIL 2107 and Film BFA or Cinema Studies major. Concentration on the film theories of filmmakers in relationship to their own work and to the cinema generally. Spring.
FIL 3820 CAH-LANG
Italian Film: This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. Occasional.

FIL 3822 CAH-LANG
French Film: The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economical, and historical perspectives with attention to their relationship with French literature. Taught in English. Occasional.

FIL 3823 CAH-LANG
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.

FIL 3824 CAH-FILM
Italian Neo-Realist Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Occasional.

FIL 3826 CAH-FILM
American Cinema: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, films, and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. Spring.

FIL 3831 CAH-FILM

FIL 3841 CAH-FILM
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 Resnais, Godard, Rohmer, Rivette. Spring. Occasional.

FIL 3842 CAH-FILM
International Cinema: PR: or CR: FIL 3036 or FIL 3037, and Film BFA or Cinema Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.

FIL 3845 CAH-FILM
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, Latin American, and Middle Eastern countries. Fall, Spring.

FIL 3847 CAH-FILM
Latin American Cinema: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

FIL 3850 CAH-FILM
Cinema Directors: PR: FIL 3803C and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected film-makers using multiple modes of criticism and author analysis to examine films. Occasional.

FIL 3852 CAH-FILM
Cinema Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102. FIL 2030, FIL 3803C. Modes of cinema criticism. Occasional.

FIL 3860C CAH-FILM
The Shot, Framing, Point of View: PR: FIL 3035C. Approaches to the shot, framing and point of view. Occasional.

FIL 3861C CAH-FILM

FIL 3862C CAH-FILM
Narrative Structures in Film: PR: LIT 2110 and FIL 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.

FIL 3865C CAH-FILM

FIL 3870C CAH-FILM

FIL 3871 CAH-FILM
The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker’s style, vision and works; how these evolved and their impact on film and the culture. May be repeated for credit. Fall. M&S fee $5.00

FIL 3876C CAH-FILM
Experimental Cinema I: PR: 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
Experimental Cinema II: PR: FIL 3075C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film industry treatments of reality and the perception of light. Spring.

FIL 3878C CAH-FILM
Color and Lighting in Cinema: PR: FIL 3025C. Ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.

FIL 3880C CAH-FILM
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
Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall. Spring.

FIL 4040 CAH-SVAD
Animation Film History for Non Film Majors: PR: ENC 1102. Evolution of animation since World War II. Fall, Spring.

FIL 4042 CAH-FILM
History of Animated Films II: PR: FIL 3041, and Cinema Studies. Art, Animation or Digital Media major, Growth and diversification of American and international animation since 1945. Spring.

FIL 4057C CAH-FILM
Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

FIL 4103H CAH-FILM
Honors Film Adaptation: PR: Consent of Honors. The process of adapting selected genres from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. Occasional.

FIL 4126C CAH-FILM
Genre Writing: PR: Film major, FIL 3803C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc. Occasional.

FIL 4162C CAH-FILM
Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor, and FIL 3115, or C.I. Writing workshop, examination of mythic storytelling, and ethics of scriptwriting. Fall.

FIL 4163C CAH-FILM
Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader’s coverage. Spring.

FIL 4301C CAH-FILM
Documentary Workshop I: PR: FIL 3363C or C.I. Socially significant documentary projects for community groups, heritage organizations, nonprofit agencies using film, video and digital media. Fall.

FIL 4302C CAH-FILM
Documentary Workshop II: PR: FIL 4301C or C.I. Advanced documentary projects for community groups, heritage organizations, nonprofit agencies and NGOs using film, video and digital media. Spring.

FIL 4303C CAH-FILM
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 4434C CAH-FILM
Capstone I: PR: FIL 3132 and Film BFA or World Cinema major. Intensive tutorial guidance, instruction and production of final film project from initial concept through production. May be repeated for credit. Fall.

FIL 4436 CAH-FILM
Film Theory/Film Production: PR: Junior standing and FIL 3008 or C.I. Non-narrative filmmaking demonstrating the dynamic interplay between producing, viewing, reading and writing about images. Odd Spring.

FIL 4451 CAH-FILM
Design for Film: PR: FIL 3427C, or C.I. Analysis of relationship of form. Specific problems in art direction. Fall.

FIL 4453C CAH-FILM
Special Problems in Film Design: PR: FIL 2423 or FIL 3427C and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. Occasional.

FIL 4472C CAH-FILM
Cinematography II: PR: Film major, FIL 3427C, FIL 2461. Advanced principles and practices of cinematography. Spring. M&S fee $5.00

FIL 4486C CAH-FILM
Directing for Film II: PR: Film BFA major and FIL 2461. Principles and practice in directing narratives and documentary motion pictures. Fall. M&S fee $5.00

FIL 4487 CAH-FILM
Directing for Film III: PR: FIL 4486C. Advanced processes and techniques of film directing. Spring.

FIL 4535C CAH-FILM
Sound Design for Film III: PR: FIL 3534. An understanding of how production mixers bring the film director’s vision to the screen. Spring.

FIL 4536 CAH-FILM
Sound Design II: PR: FIL 4535C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.

FIL 4566C CAH-FILM
Editing II: PR: FIL 2552. Theory, techniques and practices in picture editing. Fall. M&S fee $5.00

FIL 4573C CAH-FILM
Capstone II: PR: FIL 4434C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring.

FIL 4602 CAH-FILM
Film Business: PR: FIL 4243 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry who deals with issues relating to the organization and production of motion pictures. Spring.
UCF Courses and Descriptions

FIL 4647 CAH-FILM 3(3,0)
Film Production Management: PR: ENC 1102 and Junior Standing, or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.

FIL 4661 CAH-FILM 3(3,0)
The Film Producer: PR: FIL 2423 of FIL 3427C and junior standing and Film SFA, World Cinema, or Cinema Studies major. The role of the producer is examined in the context of the classical film. Spring.

FIL 4735C CAH-SVAD 3(2,4)
Advanced Animation: PR: “C” or better in FIL 3720C and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. Fall, Odd Spring. M&S fee $15.00

FIL 4740C CAH-FILM 3(3,1)
Film and Digitalization: PR: FIL 3035C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.

FIL 4750C CAH-SVAD 3(2,4)
Animation Workshop: PR: Animation majors only, FIL 3720C, FIL 3734C, FIL 4735C, and a satisfactory portfolio review or C.I. A production level course in computer animation that emphasizes all phases of the commercial production process, including storyboard, budgets, client relations, and post-production. May be repeated for credit. Fall, Spring. M&S fee $5.00

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 4830H CAH-FILM 3(3,0)
Honors Motion Picture Genre: PR: Consent of Honors. Analysis and evaluation of films, including their major genres, directors, styles, and periods. With Honors content. Occasional.

FIL 4863C CAH-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 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.

FIL 4935D CAH-FILM 3(3,1)
Current Problems in Film History: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film history. Occasional.

FIL 5165 CAH-FILM 3(3,0)
Visual Storytelling: PR: Admission to Film and Digital Media master’s program or C.I. Traditional forms of visual storytelling emerging from storyboarding to classic structural paradigms for feature film scripts. Fall.

FIL 5406 CAH-FILM 3(3,0)
Theories of Film Production: PR: Film MFA student or C.I. Comparative analysis of motion picture production methodologies, including the studio industrial model, from a historical/critical perspective. Spring.

FIL 5414 CAH-FILM 3(3,0)
Film Vision, Scope & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when developing a film, including financing, pre-production, and distributing a digital, microbudget motion picture. Spring.

FIL 5419 CAH-FILM 3(3,0)
Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media-Entig Ccin track, or C.I. Development of an existing, original screenplay to fit the market, demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIL 5612 CAH-FILM 3(3,0)
Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documents and the Internet. Fall.

FIL 5800 CAH-FILM 3(3,0)
Research Methods in Film and Digital Media: PR: Admission to MFA Film and Digital Media graduate program or C.I. Research methodology for the study of production and film and new media. Spring.

FIL 5853 CAH-FILM 3(3,0)
Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media/Entre Dig Cin track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall.

FIL 5864 CAH-FILM 3(3,0)
Ways of Seeing: The Expressive Potential of Film: PR: Admission to MFA Film and Digital Media or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. Fall.

FIL 5924 CAH-FILM 1(1,0)
Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneur Digital Cinema track, or C.I. Strategies for a successful graduate experience, and forum for modes of inquiry, film technique, production and distribution issues; and thesis defense preparation. Graded SU. May be used in the degree program a maximum of 6 times. Fall.

FIN 2100 BA-FIN 3(3,0)
Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

FIN 3303 BA-FIN 3(3,0)
Financial Markets: PR: FIN 3403C with a “C” (2.0) or better; open to majors or minors which require this course. Advanced study in asset allocation and the valuation of stocks and bonds. Fall, Spring.

FIN 4313 BA-FIN 3(3,0)
Management of Financial Institutions: PR: FIN 3303 and FIN 3403C, each with a “C” (2.0) or better; open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. Occasional.

FIN 4324 BA-FIN 3(3,0)
Commercial Bank Management: PR: FIN 3303 with a “C” (2.0) or better; open to majors or minors which require this course. Analysis of the interactions of commercial banking policies and an analysis of current approaches to managing specific bank products. Fall.

FIN 4424 BA-FIN 3(3,0)
Advanced Topics in Financial Management: PR: FIN 3414 with a “C” (2.0) or better; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. Occasional.

FIN 4453 BA-FIN 3(3,0)
Financial Models: PR: FIN 3403C, FIN 3414, and FIN 3545C, each with a “C” (2.0) or better; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on spreadsheets. Fall, Spring.

FIN 4535 BA-FIN 4(3,1)
Portfolio Analysis and Management: PR: FIN 3403C, FIN 3303 and FIN 3545C, each with a “C” (2.0) or better; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4560C BA-FIN 4(3,1)
Applied Portfolio Management 1: PR: Finance major, FIN 3403C and FIN 3545C, each with a “C” (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of equity, credit, and derivative investments. Fall.

FIN 4561C BA-FIN 4(3,1)
Applied Portfolio Management 2: PR: Finance major, FIN 4604C with a “C” (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. Occasional.

FIN 4604 BA-FIN 3(3,0)
International Financial Management: PR: FIN 3403C with a “C” (2.0) or better; open to majors or minors which require this course. Analysis of the foreign financial markets and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730 BA-FIN 3(3,0)
Senior Financial Consulting I: PR: Finance major, FIN 3403C and FIN 3303, each with a “C” (2.0) or better; CR: FIN 3144, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 4735 BA-FIN 3(3,0)
Senior Financial Consulting II: PR: Finance major, FIN 4730 with a “C” (2.0) or better. Project management, credit analysis 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.
FRE 3410 CAH-LANG 3(0,3)
Advanced Oral French Abroad: PR: FRE 2200, FRE 2201, or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 3420 CAH-LANG 3(0,3)
French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(0,3)
Advanced Oral French Abroad: PR: FRE 2200, FRE 2201, or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(0,3)

FRE 3441 CAH-LANG 3(0,3)

FRE 3760 CAH-LANG 3(0,3)

FRE 3780 CAH-LANG 3(0,3)
French Phonetics and Diction: French phonology, with emphasis on phonic groupings. Spring.

FRE 3954 CAH-LANG 6(0,0)
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(0,3)
Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines, literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(0,3)
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(0,0)
Advanced French Cultural Studies Abroad: PR: FRE 2201, or equivalent. 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(0,0)

FRE 4502 CAH-LANG 2(0,0)
Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4782 CAH-LANG 2(0,0)
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(0,0)
French and Francophone Literary Works 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(0,0)

FRT 4421 CAH-LANG 3(0,0)
French Literature and culture of medieval France. Occasional.

FRW 3100 CAH-LANG 3(0,0)
Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

FRW 3101 CAH-LANG 3(0,0)
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(0,0)
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(0,0)

FRW 3752 CAH-LANG 3(0,0)
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(0,0)

FRW 3770 CAH-LANG 3(0,0)
Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 3810 CAH-LANG 3(0,0)
French Literary Texts and Analysis: PR: FRE 2201. French literature and literary analysis from the Middle Ages to the present. Course is conducted in French. Fall.

FRW 4281 CAH-LANG 3(0,0)
20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckett, Butor, Camus, Maunier, Malraux and Sarrateur. Occasional.

FRW 4310 CAH-LANG 3(0,0)

FRW 4324 CAH-LANG 3(0,0)
20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Caudertoux, Ionesco, and Sartre; different literary approaches will also be used. Occasional.

FRW 4380 CAH-LANG 3(0,0)


GEB 4820 CAH-LANG 3(3,0) Stylistics: PR: FRE 3420 or equivalent. An intensive study of style and related criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.

FSS 2221C RCHM-FOOD&LODG 4(3,3) Techniques of Food Preparation: PR: HFT 1000. Basic principles and practice of food and beverage preparation. Lecture and menu development. Fall, Spring. M&S fee $70.00

FSS 2284C RCHM-FOOD&LODG 4(3,3) Food Preparation for Catered Events: PR: HFT 1000. Basic principles and practice of food preparation and menu development for catered events. Methods and procedures for successful on and off premise catered events. Fall, Spring. M&S fee $70.00

FSS 3008 RCHM-FOOD&LODG 3(3,0) Culture and Cuisine: PR: HFT 1000 and FSS 2221C. The major historical and geographical developments that have affected the creation of the cuisines of the world. Occasional. M&S fee $35.00

FSS 3124 RCHM-FOOD&LODG 3(3,0) Supply and Procurement Management: PR: HFT 1000, FSS 2221C, HFT 3263 and Junior standing. The purchasing procedures, specifications, and controls of food and beverage production in the hospitality industry. Fall. Spring. M&S fee $45.00

FSS 3232C RCHM-FOOD&LODG 3(1,3) Intermediate Techniques of Food Production: PR: HFT 1000 and FSS 2221C. An advanced food production course which provides the student the opportunity to develop skills in pantry, garde manager, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee $70.00

FSS 4135 RCHM-FOOD&LODG 3(3,0) Corporate Contract and Managed Services Organizations: PR: HFT 3263 and Junior standing. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.

FSS 4286C RCHM-FOOD&LODG 3(3,1) Catering and Banquet Organization: PR: HFT 1000, FSS 2221C, HFT 3263, and Junior standing. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. M&S fee $70.00

GEB 4405 CAH-LAS 3(3,0) Geography of Latin America: PR: ENC 1102 or CJ. Geography of Latin America and the Caribbean, including geophysical, cultural, economic, and social characteristics and processes. Occasional.

GEB 1091C BA-BUS 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Business providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

GEB 2350 BA-MAR 3(3,0) Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. Fall.

GEB 3031 BA-MAN 3(3,0) Cornerstone: Professional Skills for Business: PR: Junior standing. An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. Fall, Spring.

GEB 3031L BA-MAN 1(0,2) Cornerstone: Professional Skills for Business: PR: MBA major/minor or approved major/minor CR: GEB 3031. Students apply concepts and principles introduced in GEB 3031 and related skills essential to academic and professional success. Fall, Spring.

GEB 3113 BA-MAN 3(3,0) Creativity and Entrepreneurship: PR: Sophomore Standing. Discovering and assessing opportunities, creating solutions, and formulating sustainable business models necessary to deliver benefits to society and markets. Fall, Spring.

GEB 3375 BA-FIN 4(4,0) Introduction to International Business: PR: Junior standing and ACC 2071, ECO 2013 and ECO 2023, each with a “C” (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.

GEB 3375H BA-FIN 4(4,0) Honors Introduction to International Business: PR: Junior standing, permission of Honors. ACC 2071, ECO 2013, and ECO 2023, each with a “C” (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level content. Occasional.

GEB 4110 BA-MAN 3(3,0) Business Plan Preparation: PR: GEB 4111. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. Fall, Spring.

GEB 4111 BA-MAN 3(3,0) New Venture Finance: PR: MAN 4802. Knowledge and hands-on processes in the accounting, finance and treasury functions needed to start and manage a new venture from concept to exit. Fall, Spring.

GEB 4152 BA-MAN 3(3,0) Tech Innovation & Entrepreneurship: PR: Junior Standing. How technology and innovation processes affect social and organizational change, and the distinct challenges associated with launching, managing and growing technology-based business ventures. Spring.

GEB 4261 BA-FIN 3(3,0) Business in the International Environment: PR: Finance major, FIN 3403C, MAR 3023, and MAN 3025, each with a “C” (2.0) or better. Provides an overall understanding of the nature, magnitude, and importance of the international business sector. Occasional.

GEB 4374 BA-FIN 3(3,0) International Negotiations and Transactions: PR: Finance major. Junior standing and admission to CBA. Focuses on providing an understanding of the concepts and skills required for international negotiations and transactions. Occasional.

GEB 4435 BA-MAN 3(3,0) Moral Foundations of Business: PR: MAN 3025 or CJ. Ethical foundations of business and the relationship between markets and society through a comparative analysis of capitalism and socialist ideals. Occasional.

GEB 4824 BA-BUS 3(3,0) Business Law in Sport & Entertainment: PR: SPB 3003 with a “C” (2.0) or better, and either FIN 2100 and MAR 3023 each with a “C” (2.0) or better or admission to a business major. Understanding the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.
GER 3102 CAH-LANG 3(3,0) Germany - Past to Present: PR: GER 3760 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

GER 3272 CAH-LANG 2(2.0) Modern German Civilization I: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3420 CAH-LANG 3(3.0) Intensive German Composition: PR: GER 2201 or equivalent. Development of skills in composition. Occasional.

GER 3440 CAH-LANG 3(3.0) Business German I: PR: GER 2200. Introduction to German business language and practices. Occasional.

GER 3441 CAH-LANG 3(3.0) Business German II: PR: GER 3440. Continuation of Business German I. Occasional.

GER 3470 CAH-LANG 6(6.0) Advanced German 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 pronunciation. 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 accelerated grammar course designed for advanced students of the German language. Occasional.

GER 4510 CAH-LANG 3(3.0) Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520 CAH-LANG 3(3.0) Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.

GEW 3100 CAH-LANG 3(3.0) Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.

GEW 3101 CAH-LANG 3(3.0) Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

GEW 3370 CAH-LANG 3(3.0) Short Story: PR: GER 2201 or equivalent. German short story prose works of the 19th and 20th centuries. Occasional.

GEW 3480 CAH-LANG 3(3.0) German Post-War Literature: PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. Occasional.

GEW 4482 CAH-LANG 3(3.0) German Children’s Literature: PR: GER 2200. A look into the history of German children’s literature with a concentration on works after World War II. Occasional.

GEW 4531 CAH-LANG 3(3.0) The Age of Goethe and Schiller: PR: GER 2201. Selections of Goethe and Schiller are examined with particular attention to their relationship to both German classicism and German romanticism. Occasional.

GEY 3001 HPA-SOWK 3(3.0) Gerontology: An Interdisciplinary Overview: PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. Fall.

GEY 3326H COS-PSYCH 3(3.0) Honors Images of Aging: PR: Junior standing in the Honors College and consent of Honors. Interdisciplinary examination of issues in aging exploring how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors consent. Occasional.

GEY 5007 CON-NURS 3(3.0) Women and Health Across the Lifespan: PR: Graduate student or senior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

GEY 5600 ED-FCFS 3(3.0) Physiology of Aging: PR: EDCS 2010C or PCS 7303C or ART 2201. This course is to develop the student’s understanding of the effects of human aging on various body systems. Occasional.

GEY 5648 HPA-SOWK 3(3.0) Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing at C.I. The study of aging will be presented from an interdisciplinary and multidisciplinary approach spanning the sciences and health. Occasional.

GIS 3043C UGST-INTERDISC 3(2.2) GIS for Environmental Studies: PR: CGS 1060C and BSC 3102C or declared Web Design Track, ART 2201C, or ART 2300C, and a satisfactory portfolio review or C.I. Advanced techniques in the utilization of digital platforms to emulate traditional media. May be used in the degree program a maximum of 2 times. Spring.


GIS 4301C UGST-INTERDISC 4(2.2) Advanced GIS Applications in Environmental Studies: PR: GIS 3043C. GIS analysis techniques used in environmental science, including raster overlay, site suitability modeling, least-cost optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

GLY 1030 COS-CHEM 3(3.0) Geology and its Applications: Geologic principles, applications, and hazards including: geomorphology, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

GRA 2101C CAH-SVAD 3(2.4) Introduction to Computer Art: PR: ART 2823 or C.I. Priority given to students whose major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors consent. Occasional. M&S fee $15.00

GRA 2101C CAH-SVAD 3(2.4) Honors Introduction to Computer Art: PR: ART 2823 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors consent. Occasional. M&S fee $15.00

GRA 2151C CAH-SVAD 3(2.4) Illustration: PR: ART 2201C and ART 2300C. Pictorial and representational illustration using various media and techniques. Fall, Spring.

GRA 3102C CAH-SVAD 3(2.4) Intermediate Graphic Design I: PR: Acceptance into Graphic Design Specialization or C.I. CR: GRA 3560. Techniques and methods for studio projects used in the graphic design industry. Fall. M&S fee $45.00

GRA 3112C CAH-SVAD 3(2.4) Intermediate Graphic Design II: PR: GRA 3102C or C.I. Further development of studio techniques and methods in graphic design with emphasis on digital prepress. Spring. M&S fee $43.00

GRA 3202C CAH-SVAD 3(2.4) Type & Design: PR: ART 2201C, ART 2203C, ART 2500C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. Fall, Odd Spring. M&S fee $15.00

GRA 3747C CAH-SVAD 3(2.4) Intermediate Illustration I: PR: ART 2201C, ART 2203C, ART 2301C, and successful portfolio review. Techniques, production processes, media and materials used to create illustration for works utilizing sequential visual narrative. Fall. M&S fee $45.00

GRA 3803C CAH-SVAD 3(2.4) Intermediate Computer Graphic Design: PR: GRA 3102C or declared Web Design Track, ART 2201C, ART 2300C, or ART 2500C. Graphic design techniques and methods relating to web design and development. Fall, Spring.

GRA 3950 CAH-SVAD 0(0.0) Graphic Design Portfolio Application: PR: ART 2201C, ART 2300C, ART 2301C, ART 2101C, ART 2102C, ARH 2103C, ARH 2301C, ARH 2302C, ARH 2303C, ARH 2304C. Portfolio application for students entering the SVAD Graphic Design program. Graded SU. Spring.

GRA 4154C CAH-SVAD 3(2.4) Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2301C, ART 2303C, and a satisfactory portfolio review or C.I. Advanced techniques in the utilization of digital platforms to emulate traditional media. May be used in the degree program a maximum of 3 times. Spring. M&S fee $45.00

GRA 4196C CAH-SVAD 3(2.4) Techniques in Graphic Design: PR: GRA 3112C or C.I. Practical studio problems, with emphasis on organization of visual design elements. Fall. M&S fee $43.00

GRA 4197C CAH-SVAD 3(2.4) Special Problems in Graphic Design: PR: GRA 4196C. Capstone course in Graphic Design emphasizing the development of a professional portfolio. May be used in the degree program a maximum of 2 times. Spring. M&S fee $45.00

GRA 4802C CAH-SVAD 3(2.4) Advanced Computer Graphic Design: PR: GRA 3102C and GRA 3560C. Graphic design techniques and methods related to motion graphics. Odd Fall, Spring. M&S fee $15.00

HBR 1120 CAH-JUD 4(4.0) Elementary Modern Hebrew Language and Culture I: Designed to initiate the student to the major languages and literatures of the Near East. Topics include oral communication, reading and writing skills, and further exposure to Israeli culture. Fall.

HBR 1121 CAH-JUD 4(4.0) Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.

HBR 2200 CAH-JUD 3(3.0) Intermediate Modern Hebrew I: PR: HBR 1121 or C.I. Further development of modern Hebrew language skills in listening, speaking, reading, and writing. Occasional.

### UCF Courses and Descriptions

**HBR 1121** or equivalent, C.I. Study and practice of the historical and syntactical structure of Biblical Hebrew.

**HFT 1000** and **FSS 2221C**. Comprehensive examination of the history and organization of the hospitality and tourism industry. Special emphasis on the role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring.

**HFT 3323** or C.I. Exploration of the principles of hospitality industry systems of accounting. Fall, Spring.

**HFT 3443** or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.

**HFT 3444** or C.I. Focuses on management functions and practices, information systems and hotel technology. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

**HFT 3512** or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.

**HFT 3517** or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring.

**HFT 3523** or C.I. In-depth understanding of the acquisition and management of services integral to successful events, including conventions, conferences and catered functions. Fall, Spring.

**HFT 3540** or C.I. Principles of law as related to the Hospitality/ Tourism industry. Fall, Spring.

**HFT 3574** or C.I. Principles of law as related to the Hospitality/ Tourism industry. Fall, Spring.

**HFT 3603** or C.I. Principles of law as related to the Hospitality/ Tourism industry. Fall, Spring.

**HFT 3654** or C.I. Principles of law as related to the Hospitality/ Tourism industry. Fall, Spring.

**HFT 3670** or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.

**HFT 3792** or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.

**HFT 3798** or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.

**HFT 3874** or C.I. Comprehensive examination of the history and organization of the hospitality and tourism industry. Special emphasis on the role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring.

**HFT 3949** or C.I. Comprehensive examination of the history and organization of the hospitality and tourism industry. Special emphasis on the role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring.

**HFT 4206** or C.I. Comprehensive examination of the history and organization of the hospitality and tourism industry. Special emphasis on the role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring.

**HFT 4253** or C.I. Comprehensive examination of the history and organization of the hospitality and tourism industry. Special emphasis on the role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring.

**HFT 4255** or C.I. Comprehensive examination of the history and organization of the hospitality and tourism industry. Special emphasis on the role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring.
HFT 4274 RCHM-FOOD&LODG 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 hotels and shared ownership/timeshare properties. Spring.

HFT 4275 RCHM-FOOD&LODG 3(3,0) Development of Vacation Ownership Resorts: PR: HFT 3273 and Junior standing. Comprehensive analytical study of the development and management of timeshare resorts; 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-FOOD&LODG 3(3,0) Restaurant Leadership Strategies and Tactics: PR: HFT 3266 or C.I. An analysis of the leadership styles of restaurant industry founders and executives. Occasional.

HFT 4286 RCHM-SEP 3(3,0) Hospitality Communications: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 3693; HFT 3750; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on communication strategies required by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4289 RCHM-SEP 3(3,0) 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 4343 RCHM-SEP 3(3,0) Hospitality Facilities Management: PR: HFT 1000, HFT 2254, or C.I. Principles of facility planning, layout, design, and physical plant characteristics for hotels, timeshares and shared ownership properties, restaurants and foodservice and other hospitality related venues. Fall, Spring.


HFT 4375 RCHM-TEA 3(3,0) Advanced Trade Show Management: PR: HFT 4754 or HFT 4766. Trade show management, floor plan management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.

HFT 4413 RCHM-SEP 3(3,0) Technology Applications for Hospitality Management: PR: HFT 3444. Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4432 RCHM-SEP 3(3,0) Hospitality Industry Auditing: PR: HFT 3431. Hospitality Industry Managerial Accounting. Provides basic knowledge of elementary fraud and saving money through proper internal controls in the hospitality industry. Occasional.

HFT 4457 RCHM-SEP 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3263, HFT 3433, and Junior standing. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Spring.

HFT 4464 RCHM-SEP 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-SEP 3(3,0) Hospitality Industry Revenue Management: PR: HFT 3544 and HFT 3431, and Junior standing. Revenue management practices in hospitality organizations which include capacity management, revenue forecasting pricing strategies, and distribution. Fall, Spring.

HFT 4473 RCHM-SEP 3(3,0) Hospitality Development Analysis: PR: HFT 2254, HFT 2256, and Junior standing. Review of methodological operational, financial and marketing aspects of analyses for foodservice, hotels, timeshares, and shared ownership development projects. Fall.


HFT 4614 RCHM-SEP 3(3,0) Risk Management in Theme Parks and Attractions: PR: HFT 2757 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 major theme park operating departments. Occasional.

HFT 4732 RCHM-SEP 3(3,0) Tourism Impact Analysis: PR: HFT 3700. Quantitative impact analysis of tourism as an industry in the regional/national economy along the tourism satellite accounts concept. Fall, Spring.

HFT 4735 RCHM-SEP 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-SEP 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-SEP 3(3,0) Convention and Conference Services: PR: HFT 3511 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-SEP 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-SEP 3(3,0) Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. Fall, Spring.

HFT 4757 RCHM-SEP 3(3,0) Event Management: PR: HFT 3670, HFT 3512, HFT 3372, HFT 3523, HFT 3519, or C.I. Event planning, including how organizations use events to achieve strategic objectives. Students plan and execute special events and over exceed industry standards. Fall, Spring. M&S fee $65.00

HFT 4759 RCHM-SEP 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-SEP 3(3,0) Managing the Guest Experience in the Theme Park and Attraction Industry: PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions. Spring.

HFT 4787 RCHM-SEP 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-SEP 3(3,0) Event Management II: PR: HFT 3670, HFT 3512, HFT 3443, HFT 3792, FSS 2221C, HFT 3802, and HFT 3757. Capstone course in event management. Students produce a major event that has been planned in HFT 3751. Occasional. M&S fee $65.00

HFT 4795 RCHM-SEP 3(3,0) Entertainment Arts and Events: PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costuming, staffing, and evaluation. Fall, Spring.

HFT 4796 RCHM-SEP 3(3,0) International Events: PR: HFT 1000 and HFT 2750; or C.I. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. Occasional.

HFT 4802 RCHM-SEP 3(3,0) Catering Management: PR: HFT 3443, HFT 3670, 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-FOOD&LODG 3(3,0) Sanitation in the Food Service Industry: PR: HFT 1000. Causes and prevention of food spoilage and foodborne illnesses. Includes National Restaurant Association (NRA) certification. Fall, Spring.

HFT 4861C RCHM-FOOD&LODG 3(1,3) Beverage Management: PR: HFT 1000, 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. Fall, Spring. M&S fee $45.00

HFT 4864 RCHM-FOOD&LODG 3(3,0) Seminar in Quality Brewing and Fine Beer: PR: HFT 1000, minimum age of 21 by first day of class. The production and service of malt beverages. Fall, Spring. M&S fee $45.00

HFT 4865 RCHM-FOOD&LODG 3(3,0) Advanced Wine Management: PR: HFT 4866C or C.I. Advanced study of oenology, enology and wine regions of the world. Occasional. M&S fee $75.00

HFT 4866C RCHM-FOOD&LODG 3(3,1) Exploring Wines of the World: PR: HFT 1000, minimum age of 21 by first day of class, or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, grading, pricing, and production of grape varieties used in making wine. Fall, Spring, M&S fee $70.00

HFT 4894 RCHM-FOOD&LODG 3(3,0) International Gastronomy: PR: FSS 2221C, HFT 1000, and C.I. A world view of cuisine and culture that includes an international travel component. May be used in the degree program a maximum of 2 times. Occasional.
**UCF Courses and Descriptions**

**HFT 4949**  
RCHM-RCHM  0-5(0,1-5)  
Cooperative Education: Provides paid, pre-professional work experience related to the students major while they continue to attend school. Requires achievement of major-related learning objectives. Graded SAU. Fall, Spring.

**HIM 3006**  
HAPA-HMI  3(0,3)  
Foundations of Health Information Management (HIM): PR: ENC 1102. Foundation of protection, release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

**HIM 3116C**  
HAPA-HMI  4(3,2)  
Health Record Organization and Management: PR: HIM 3006 and acceptance into the upper-division limited access HIM program; or C.I. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. Spring.

**HIM 3806C**  
HAPA-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 filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

**HIM 4226C**  
HAPA-HMI  5(3,4)  
Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

**HIM 4256C**  
HAPA-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**  
HAPA-HMI  4(3,2)  
Health Information Department Management: PR: HIM 3116C; HSA 4180 or MAN 3025; or C.I. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. Fall.

**HIM 4508C**  
HAPA-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 4626C**  
HAPA-HMI  3(2,2)  
Health Care 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**  
HAPA-HMI  3(3,0)  
Professional Development and Issues in Health Information Management: PR: HIM 4344C; HIM 4508C. Analysis of management functions in health care setting; the HIM professional as an educator; professional work experience related to the students' major; and preparing the 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**  
HAPA-HMI  4(3,1)  
Health Care Informatics and Information Technology: PR: Admission to M.S. in Health Care Informatics. Examines past and present science, scientific thought, and the relationship between science and society. Occasional.

**HIS 3462**  
CAH-HIST  3(3,0)  

**HIS 3949**  
CAH-HIST  0(0,8)  
Cooperative Education in History: PR: Departmental permission required before registering. Cooperative education experience in history. Graded SU. May be repeated for credit. Occasional.

**HIS 4065**  
CAH-HIST  3(3,0)  
Public History: Principles & Techniques: PR: AMH 2010 or C.I. Practice of public history including historic preservation, museum studies, archival management, oral history, digital history, historical editing, and conservation science. Occasional.

**HIS 4070**  
CAH-HIST  3(3,0)  

**HIS 4150**  
CAH-HIST  3(3,0)  
History and Historiography: PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times. Fall. Occasional.

**HIS 4233**  
CAH-HIST  3(3,0)  

**HIS 4490**  
CAH-HIST  3(3,0)  

**HIS 4935**  
CAH-HIST  3(3,0)  
Senior Seminar: PR: Senior standing, history major, or C.I. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. Fall.

**HIS 4944**  
CAH-HIST  3(3,0)  
Internship in Public History: PR: C.I. The Public History Internship is a 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 consultation with a directing professor. Occasional.

**HIS 4970H**  
CAH-HIST  3(3,0)  
Honors Undergraduate Thesis: Graded SAU or Letter grade. Occasional.

**HIS 5067**  
CAH-HIST  3(3,0)  
Introduction to Public History: PR: Graduate status or senior standing or C.I. Examines and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

**HLP 2701**  
ED-TDL.L  3(3,0)  

**HLP 4720**  
ED-TDL.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**  
HAPA-HP  3(3,0)  
Issues & Trends in Public Health: PR: Sophomore standing and (CGS 1080C or CGS 2100C). The American public health system, looking at the historical, present day, and future organization and management of all its components. Occasional.

**HSA 3111**  
HAPA-HP  3(3,0)  
U.S. Health Care Systems: PR: (CGS 1080C or CGS 2100C) and Sophomore Standing. A survey of the health care system in the United States. Fall, Spring.

**HSA 3170**  
HAPA-HP  3(3,0)  
Health Care Finance: PR: HSA majors - PR: or CR: HSA 3111 and PR: ACG 2021 and ACG 2071; non-HSA majors: ACG 2021 or C.G. 2071. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

**HSA 3430**  
HAPA-HP  3(3,0)  
Health Care Economics: PR: HSA 3111 or 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**  
HAPA-HP  3(3,0)  
Principles of Managed Care: PR: HSA 3111 or C.I. Concepts and practice of patient care planning and management, including hospitals, long term care facilities and medical group practices. Fall, Spring.

**HSA 4180**  
HAPA-HP  3(3,0)  
Organization & Management for Health Agencies: PR: HSA 3111 or admitted to HIM program. Examination 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**  
HAPA-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, Spring.

**HSA 4191**  
HAPA-HP  3(3,0)  
Health Care Economics: PR: HSA 3111 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 4220**  
HAPA-HP  3(3,0)  

**HSA 4502**  
HAPA-HP  3(3,0)  

**HSA 4702**  
HAPA-HP  3(3,0)  
Health Sciences Research Methods: PR: STA 2014C or STA 203A and Junior Standing, or C.I. Introduction to research design in the Health Sciences, including research, literature review, testing, analysis, and conclusions. Fall, Spring.

**HSA 4850**  
HAPA-HMI  3(3,0)  
Health Services Administration Internship: PR: 2.5 UCF GPA, 90 overall credit hours, 24 UCF credit hours, approval of the Internship Director. Administrative experience in an approved health care organization. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4939</td>
<td>Health Services Administration Capstone: PR: WS 3730 and Junior status, HSA 3430 and HSA 4184. Capstone course applies healthcare administration theory to a healthcare organization. Students will integrate previous coursework to evaluate an existing healthcare organization. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSA 5177</td>
<td>Fundamentals of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>HSA 5198</td>
<td>Health Decision Sciences and Knowledge Management: PR: STA 5506 or passing score on statistics assessment exam. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving managerial decision making process will be presented. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>HSA 5257</td>
<td>ICDS Coding for Health Services Administrators: PR: HSC 6656, B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>HSA 5258</td>
<td>CPT Coding for Health Services Administrators: PR: HSC 6656 or C.I. or BS in health-related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>HSA 5436</td>
<td>Foundations of Health Care Economics: PR: Admission to HSA graduate program or C.I. Preparatory course for graduate students who are not prepared to take the required health care economics course. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>HSA 5509</td>
<td>Health Care Risk Management: PR: Admission to M.S. in Health Services Administration or C.I. This course examines the background, history and philosophy of health care risk management including clinical risks, malpractice, interpreting contracts and insurance and ethical decision making. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 1931C</td>
<td>HPA-HPA Coding: Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Health &amp; Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Occasional.</td>
<td>2(1,1)</td>
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<tr>
<td>HSC 2000</td>
<td>Introduction to the Allied Health Professions: PR: Freshman and Sophomores only. A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded S/U. Fall.</td>
<td>2(2,0)</td>
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<tr>
<td>HSC 2921</td>
<td>LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGN 1036C, IDS 1040C, GEO 1091C or EDG 1005C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.</td>
<td>2(2,0)</td>
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<tr>
<td>HSC 311H</td>
<td>HPA-HPA Coding: Medical Self Assessment: PR: Sophomore Standing. Development of clinical skills and understanding of one’s health to encourage active participation of individuals in their own health care. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 3432</td>
<td>HPA-HPA Occupational Safety for the Health Care Professional: PR: HSA 3111 or C.I. Issues surrounding the health care environment and the risks associated with working there. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 3537</td>
<td>HPA-HPA Medical Terminology: A study of the language of medicine and allied health specialties, including work construction, definitions, and application of terms. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 3559</td>
<td>HPA-HPA-SCSDIS Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 3593</td>
<td>HPA-HPA HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 3640</td>
<td>HPA-HPA Health Law: PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 4008</td>
<td>HPA-HPA Professional Development in Health Professions: PR: ENC 1102 and Junior Standing. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 4158</td>
<td>HPA-HPA Medical Pharmacology I: PR: BSC 2010C and admission to Cardiopulmonary Sciences program, or C.I. Introduction to pharmacology and physiology, including drug classifications, dosages, and application of pharmacology to the body. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 4159</td>
<td>HPA-HPA Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes isotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. Spring.</td>
<td>2(2,0)</td>
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<tr>
<td>HSC 4201</td>
<td>HPA-HPA 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.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 4501</td>
<td>HPA-HPA Epidemiology: PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. Study of the distribution and determination of diseases and injuries in human population. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 4501</td>
<td>HPA-HPA Epidemiology of Chronic Diseases: PR: ZCO 3733C, PCB 3703C, and (STA 2014C or STA 2023). Epidemiology of chronic diseases including risk factors, etiology, mortality and morbidity as they relate to clinical practice, research, and intervention. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 4555</td>
<td>HPA-HPA Pathophysiology I: PR: ZCO 3733C and PCB 3703C, or C.I. Abnormalities in physiologic functioning of the human body, with focus on the endocrine, pathogenesis and clinical manifestations of the immune cardiovascular, respiratory, and renal systems. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 4558</td>
<td>HPA-HPA Pathophysiology II: PR: PCB 3703C and ZCO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the endocrine, pathogenesis and clinical manifestations of the digestive, hepatobiliary, nervous, and endocrine systems. Fall, Spring.</td>
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<tr>
<td>HSC 4564</td>
<td>HPA-HPA Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 4572</td>
<td>HPA-HPA Clinical Nutrition: PR: HUM 2201. Basic principles of nutrition and medical nutrition therapy, and health and chronic diseases of public health importance. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 4652</td>
<td>HPA-HPA Health Law and Ethics: PR: ENC 1102 and Junior Standing, or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 4730</td>
<td>HPA-HPA Applied Health Research Methodology: PR: (STA 2023 or STA 2014C) and Junior Standing. Clinical research issues including: clinical research questions, planning, data collection, research design, data analysis and reporting, and the decision making process. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>HSC 5595</td>
<td>HPA-HPA AIDS: A Human Concern: Focus on epidemiology, transmission, prevention, legal and health care issues, economic impact, psychosocial aspects, sexuality, substance abuse, ethics, hotlines, referral services and the decision making process. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>HUM 2020</td>
<td>CAH-PHIL Encountering the Humanities: The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities.</td>
<td>3(3,0)</td>
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<tr>
<td>HUM 2210H</td>
<td>CAH-PHIL Honors 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.</td>
<td>3(3,0)</td>
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<tr>
<td>HUM 2210H</td>
<td>CAH-PHIL 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 ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>HUM 2230</td>
<td>CAH-PHIL Humanistic Tradition III: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Fall. Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HUM 2230H</td>
<td>CAH-PHIL 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.</td>
<td>3(3,0)</td>
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<tr>
<td>HUM 3252</td>
<td>CAH-PHIL Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. Occasional.</td>
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<tr>
<td>HUM 3252H</td>
<td>CAH-PHIL Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>HUM 3307</td>
<td>CAH-PHIL Memory and Testimony: PR: HUM 2210 and HUM 2230 and Junior Standing. Interdisciplinary exploration of memory and public memory, focusing on the significance of memory and testimony for our sense of self, family, community, culture, and nation. Odd Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
</tbody>
</table>
Contemporary Multicultural Studies: PR: HUM 2230. Junior standing, or C.I. Studies the confluence of diverse cultures majoring in North America in the Information Age, focusing on complete primary sources in philosophy, literature, visual arts and music. Even Fall.

Theories of Sex and Gender in Humanities: PR: HUM 2230 and HUM 2230, or C.I. Historical and contemporary theories of sex and gender relevant in interdisciplinary Humanities. Occasional.

Representations of Place and Space: PR: HUM 2230 or C.I. Phenomenological, symbolic, constructivist, and determinist approaches to personal and social place and space. Occasional.

Asian Humanities: PR: HUM 2230, Asian Studies minor, or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music. Occasional.

Honors Islamic Thought and Culture: PR: HUM 2230 or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special featured on perception of Islam in Western literature and scholarship. With Honors consent. Occasional.


Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. Occasional.

Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. Occasional.

Latin American Humanities: PR: HUM 2230 or HUM 2230. Ideas in cultures of Latin America and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. Occasional.

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 conveying references and constructing bibliographies. Occasional.

Critical Theory in the Humanities: PR: HUM 2210 and HUM 2230, or C.I. Theories of interpreting technologies, texts, and practices, with emphasis on film, visual/performing arts, music, religion, and philosophy. Occasional.

Introduction to Digital Humanities: PR: Grade of "C" (2.0) or better required in one of the following: ENC 1101, ENC 1102, PR: HUM 2210, or HUM 2230, or C.I. Investigation of the application of digital tools to humanities questions, and to questions about contemporary life. Fall.

The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the diversity of times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

Performance Theory: PR: Junior standing and HUM 2230 or either PHI 2010, PHI 2011, PHI 2308, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performatives, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

American Cultural Studies in Humanities: PR: HUM 2210 and HUM 2230, or C.I. Theories of culture intersecting race, class, gender, migration, ability, and national identity in North America. Occasional.


Postcolonial Theory: PR: HUM 2210 and HUM 2220; Junior standing. Interdisciplinary overview of postcolonial philosophy, literature, film, and art and cultural theory. Even Fall.

Key Figures in the Humanities & Cultural Studies: PR: HUM 2020 or C.I. Study of a central Humanities/Cultural Studies figure's work, influences, reception, and effect. May be repeated for credit only when course content is different. Occasional.

Senior Research Seminar: PR: Senior standing and Humanities major, or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.

Key Concepts in Humanities & Cultural Studies: PR: HUM 2210. Study of the development, meaning, and implications of a central concept in the Humanities and Cultural Studies. May be repeated for credit only when course content is different. Occasional.

Applied Contemporary Humanities: PR: HUM 5003, graduate status or senior standing, or Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. Occasional.

Senior undergraduate standing and at least one of the following: HUM 3525, HUM 3520, or PHI 4808 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. Fall.

Fundamentals of Human Nutrition: Functions, roles, and deficiencies or toxicities, food sources and weight management. Emphasis is on prevention of disease. Fall, Spring.

Human Nutrition: PR: or CF: ZOO 3733C and CHEM 1032 or C.I. Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the interrelationship with disease are emphasized. Fall, Spring.

Basic Concepts in Food Service Industry: PR: FSS 2220C or C.I. Introduces basic nutrition concepts. Discusses nutrition concepts and concerns in relation to food preparation and service in the hospitality industry. Occasional.

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.


Honors Symposium II: PR: IdH 1202H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

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 related debates. With Honors consent. Fall.

Honors Windows To The World: PR: Permission of Honors and IdH 1214H, enrolled in Accelerated Pre-med Program, or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts & Sciences, focusing on leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GEB 1933C, ENC 1931C, ENC 1932C, ENC 1933C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

Foundations of Environmental Studies: PR: Junior standing, complete relevant of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

Civic Engagement: PR: Junior standing and either PAD 3001 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.

World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.

Cornerstone Experience: PR: ENC 1102, Junior standing, Interdisciplinary Studies major, or C.I. Theories and interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.

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.

Global Perspectives: PR: ENC 1102 or POS 2041 or C.I. The historical and contemporary contexts of globalization. Fall, Spring.

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.

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  GRDST-INTERDIS  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.

INP 3004  COS-PSYCH  3(3,0)
Industrial/Organizational Psychology: PR: PSY 2012. Psychological theories and principles applicable to problems in industrial organizations. Fall, Spring.

INP 3004H  COS-PSYCH  3(3,0)

INP 3141C  COS-PSYCH  1-3(3-9)
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 SU. May be repeated for credit. Fall, Spring.

INP 3951  COS-PSYCH  3(10)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INR 4031  COS-PSYCH  3(3,0)
Organizational Psychology: PR: INP 3004. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development. Occasional.

INR 4313  COS-PSYCH  3(3,0)
Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. Occasional.

INR 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: PR: ENC 1102 or C.I. An analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

INR 3016  COS-POLS  3(0)
Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. Occasional.

INR 3250  COS-POLS  3(3,0)

INR 3253  COS-POLS  3(3,0)
International Politics of Africa: PR: ENC 1102 or POS 2041 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-POLS  3(3,0)
Politics of Globalization: PR: ENC 1102 or POS 2041 or C.I. Major political causes and consequences of globalization. Occasional.

INR 4030  COS-POLS  3(3,0)
Diplomacy: PR: ENC 1102 or POS 2041 or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. Spring.

INR 4030H  COS-POLS  3(3,0)

INR 4035  COS-POLS  3(3,0)
International Political Economy: PR: ENC 1102 or POS 2041 or C.I. The international politics of regional and global economic independence, with emphasis on the role and policies of the United States in the North-South relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.

INR 4054  COS-POLS  3(3,0)
Global Politics of Energy: PR: ENC 1102 or POS 2041 or C.I. International/national dimensions of global energy policy within developed and underdeveloped countries. Occasional.

INR 4060  COS-POLS  3(3,0)
Causes of War: PR: ENC 1102 or POS 2041 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. Fall.

INR 4063  COS-POLS  3(3,0)
The Cold War: PR: ENC 1102 or POS 2041 or C.I. Politics of US-Soviet relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.

INR 4074  COS-POLS  3(3,0)
Immigration Policy: PR: ENC 1102 or POS 2041 or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political/economic impact. Occasional.

INR 4075  COS-POLS  3(3,0)

INR 4076  COS-POLS  3(3,0)
Global Drug Policy: PR: ENC 1102 or POS 2041 or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economic systems on drug policy. Selected Latin American and World Third countries. Odd Spring.

INR 4083  COS-POLS  3(3,0)
War and Violent Politics: PR: POS 2041 or C.I. The theoretical and practical disciplinary debates on war and related phenomena, including civil war, genocide, and riots. Occasional.

INR 4085  COS-POLS  3(3,0)
Women, Gender, and Globalization: PR: ENC 1102 or POS 2041 or C.I. Feminist and gender perspectives in International Relations, Globalization, and International Political Economy. Occasional.

INR 4102  COS-POLS  3(3,0)
American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. Development of American foreign policy, with particular emphasis on the role and policies of the United States in the contemporary world. Odd Fall.

INR 4104  COS-POLS  3(3,0)
Topics and Cases in American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.

INR 4114  COS-POLS  3(3,0)
American Security Policy: PR: ENC 1102 or POS 2041 or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.

INR 4115  COS-POLS  3(3,0)
Strategic Weapons and Arms Control: PR: ENC 1102 or POS 2041 or C.I. Causes, conduct, and consequences of the use of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

INR 4116  COS-POLS  3(3,0)
America’s 21st Century Wars: PR: POS 2041 or C.I. The causes, conduct, and consequences of the wars in Iraq and Afghanistan. Occasional.

INR 4224  COS-POLS  3(3,0)
Contemporary International Politics of Asia: PR: ENC 1102 or POS 2041 or C.I. Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.

INR 4225  COS-POLS  3(3,0)
The Vietnam War: PR: POS 2041 or INR 2002, or C.I. Background of events leading to America’s involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.

INR 4243  COS-POLS  3(3,0)
International Politics of Latin America: PR: ENC 1102 or POS 2041 or C.I. Study of contemporary U.S.-Latin American relations, inter-American politics and organization, and the role of Latin America in the world. Occasional.

INR 4304  COS-POLS  3(3,0)
Issues in International Public Policy: PR: ENC 1102 or POS 2041 or C.I. Development of international policy, with particular attention to China and Japan. Occasional.

INR 4333  COS-POLS  3(3,0)

INR 4335  COS-POLS  3(3,0)
Coercion in International Politics: PR: ENC 1102 or POS 2041 or C.I. Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.

INR 4350  COS-POLS  3(3,0)
Global Environmental Politics: PR: ENC 1102 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. Fall.

INR 4351  COS-POLS  3(3,0)
International Environmental Law: PR: ENC 1102 or POS 2041 or C.I. Examinations of the causes and effects of international environmental law and policies, their impact. Technological and policy aspects, including space law. Fall.

INR 4364  COS-POLS  3(3,0)
The Intelligence Community: PR: ENC 1102 or POS 2041 or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of control and reliability questions, and issues of cooperation and coordination. Spring.

INR 4401  COS-POLS  3(3,0)
International Law: PR: ENC 1102 or POS 2041 or C.I. The nature, evolution, and sources of international law and examination of various sub-areas as recognition, maritime law, and space law. Fall.

INR 4404  COS-POLS  3(3,0)
Space Law: PR: Junior standing, or C.I. Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.

INR 4502  COS-POLS  3(3,0)
International Organizations: PR: ENC 1102 or POS 2041 or C.I. The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. Even Fall, Odd Spring.
## UCF Courses and Descriptions

### INR 4603
**COS-POLS**
3(3,0)
International Relations Theory: PR: ENC 1102 or POS 2041 or C.I. Theoretical trends prevalent in the study of international relations, including realism, liberalism, constructivism, and postmodernism. Fall, Spring.

### INR 4714
**COS-POLS**
3(3,0)
Politics of International Trade Policy: PR: ENC 1102 or POS 2041 or C.I. Key actors and processes of international trade policy-making at the sub-national, national-state, and global levels of analysis. Occasional.

### INR 4774
**COS-POLS**
3(3,0)
Military Space Policy: PR: ENC 1102 or POS 2041 or C.I. Politics and policymaking involved in militaries globally, consideration of effects on globalization and international policies economic and military. Occasional.

### INT 4205C
**HPC-SC&DIS**
4(3,1)
Interactive Interpreting II: PR: ASL 2140, ASL 2150 and ASL 4161C or C.I. Theories, guidelines, principles and practices of interpreting, including interpreter's role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. Occasional.

### ISC 2054
**COS-MATH**
1(2,0)
EXCEL Seminar I: PR: Admission to EXCEL program. Study skills, faculty networking, exposure to STEM professionals. Graded S/U. Fall.

### ISC 2055
**COS-MATH**
1(2,0)
EXCEL Seminar II: PR: Admission to EXCEL program. Study skills, faculty networking, exposure to STEM professionals, STEM shadowing experience. Graded S/U. Spring.

### ISC 2215
**COS-MATH**
1(3,0)
Interdisciplinary Applications of Calculus I: CR: MAC 2311C. Interdisciplinary applications of differential and integral calculus topics in MAC 2311C to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

### ISC 2216
**COS-MATH**
1(3,0)
Interdisciplinary Applications of Calculus II: CR: MAC 2312. Interdisciplinary applications of differential and integral calculus topics in MAC 2312 to the solution of concrete problems in science, mathematics, and engineering disciplines. Spring.

### ITA 1120C
**CAH-LANG**
4(3,1)
Elementary Italian Language and Civilization I: PR: ITA 1121C or equivalent. Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

### ITA 1121C
**CAH-LANG**
4(3,1)
Elementary Italian Language and Civilization II: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall, Spring.

### ITA 2200
**CAH-LANG**
3(3,0)
Intermediate Italian Language and Civilization I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. Fall.

### ITA 2201
**CAH-LANG**
3(3,0)
Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. Spring.

### ITA 3420
**CAH-LANG**
3(3,0)
Italian Composition: PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

### ITA 3447
**CAH-LANG**
3(3,0)

### ITA 3472
**CAH-LANG**
3(3,0)

### ITA 3564
**CAH-LANG**
3(3,0)
Modern Italian Culture: PR: ITA 2200 or C.I. Modern Italian culture (1500s through today) through literature, film, and mass media. Spring.

### ITA 3760
**CAH-LANG**
3(3,0)
Advanced Italian Cultural Communication: PR: ITA 2200 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

### ITA 4280
**CAH-LANG**
3(3,0)

### ITT 3443
**CAH-LANG**
3(3,0)
Study Abroad: Italian Literature in Translation: PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment. Occasional.

### ITT 4956
**CAH-LANG**
3(3,0)
Study Abroad: Modern and Contemporary Italian Culture: PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. Occasional.

### ITT 4957H
**CAH-LANG**
3(3,0)
Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. Occasional.

### ITW 3100
**CAH-LANG**
3(3,0)
Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

### ITW 3101
**CAH-LANG**
3(3,0)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

### ITW 3373
**CAH-LANG**
3(3,0)
The Modern Italian Short Story: PR: ITA 2201 or C.I. Selection of short stories written by the most significant Italian writers of the 20th century. Even Fall.

### JOU 2100C
**COS-COMM**
3(3,1)
News Reporting: PR: Journalism major or Magazine Journalism Minor, or a minimum grade of "C" (2.0) in JOU 2100C. The process of conducting communication research. May be used in the degree program a maximum of 2 times. Occasional.

### JOU 2101C
**COS-COMM**
3(3,1)
Media Law and Ethics: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. Occasional.

### JOU 2102C
**COS-COMM**
3(2,1)
Page Design: PR: Journalism major and JOU 3201. Designing news pages, including stories, headlines, and other content. Fall, Spring.

### JOU 2103C
**COS-COMM**
3(3,0)
Magazine Editing and Production: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Magazine production, including editing and editing skills, and editorial requirements. Spring.

### JOU 2104C
**COS-COMM**
3(3,0)
Feature Writing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Writing feature articles for newspapers and magazines. Fall, Spring.

### JOU 2106C
**COS-COMM**
3(1,2)
Critical Writing: PR: Journalism major or Magazine Journalism minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. Occasional.

### JOU 2108C
**COS-COMM**
3(3,0)
Freelance Writing: PR: Journalism major or Magazine Journalism minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

### JOU 3140C
**COS-COMM**
3(1,3)
Online Journalism I: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. The development, impact and problems of using the Internet as a journalistic tool. Write and design news for the Web. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>JPN 1120C</td>
<td>CAH-LANG: Elementary Japanese Language and Civilization I</td>
<td>Introduces the student to Japanese culture through major language skills:</td>
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<td>listening, speaking, reading and writing. Open only to students with</td>
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<td>no experience in the language.</td>
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<tr>
<td>JPN 1121C</td>
<td>CAH-LANG: Elementary Japanese Language and Civilization II</td>
<td>PR: JPN 1120C or equivalent. Continuation of JPN 1120C.</td>
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<tr>
<td>JPN 2200</td>
<td>CAH-LANG: Intermediate Japanese Language and Civilization I</td>
<td>PR: JPN 1121C or equivalent. This course aims to aid in acquiring and</td>
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<td>refining the acquisition of the four skills in modern Japanese:</td>
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<td>speaking, listening, reading, and writing. The emphasis is on accurate</td>
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<td>communication in Japanese. The culture of Japan will also be studied.</td>
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<tr>
<td>JPN 2201</td>
<td>CAH-LANG: Intermediate Japanese Language and Civilization II</td>
<td>PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on</td>
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<td>Japanese civilization.</td>
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<tr>
<td>JPN 2952</td>
<td>CAH-LANG: Japanese Cultural Studies Abroad</td>
<td>PR: JPN 1120C and JPN 1121C. Japanese culture through key elements of</td>
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<td>Japanese life and comprehensive exposure of various aspects of</td>
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<td>their material cultural heritage. Conducted in Japanese.</td>
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<tr>
<td>JPN 3760</td>
<td>CAH-LANG: Advanced Japanese Conversation</td>
<td>PR: JPN 1121C or equivalent proficiency. Communication in conversational</td>
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<td>Japanese to enhance knowledge of the sound changes, speaking functions</td>
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<td>and styles in verbal discourse.</td>
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<tr>
<td>JST 3005</td>
<td>CAH-JUD: Tenets of Judaism</td>
<td>PR: ENC 1101 and ENC 1102. Values, practices, and beliefs that define</td>
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<td>Judaism.</td>
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<td>expressions of Hebrew civilization as found in the Hebrew Bible,</td>
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<td>Apocrypha and Pseudepigrapha, the Mishnah, and the Talmud, Medieval</td>
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<td>Hebrew poetry and Prose.</td>
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<td>translation) in historical, social, religious, cultural and literary</td>
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<td>contexts.</td>
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<tr>
<td>JST 3121</td>
<td>CAH-JUD: Classic Texts of Judaism</td>
<td>PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Targum,</td>
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<td>Apocrypha, Qumran documents, Mishnah, Talmud, Siddur, as well as Jewish</td>
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<td>mystical writings.</td>
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<tr>
<td>JST 3125</td>
<td>CAH-JUD: The Book of Job</td>
<td>PR: Jr standing, ENC 1102. A textural-therapeutic study of Book of Job in</td>
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<td>English translation, exploring the Book of Job as literature, theology and</td>
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<td>ethics.</td>
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<tr>
<td>JST 3126</td>
<td>CAH-JUD: Romantic Love in the Bible</td>
<td>PR: ENC 1102, Junior standing. The dimensions of romantic love in the</td>
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<td>Hebrew Bible, focusing on the depiction of human feelings of love and</td>
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<td>relationship; the nature of man-woman interactions in ancient Israel.</td>
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<tr>
<td>JST 3144</td>
<td>CAH-JUD: Dead Sea Scrolls</td>
<td>PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and</td>
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<td>historical context, and significance.</td>
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<tr>
<td>JST 3190</td>
<td>CAH-JUD: The Biblical Prophets</td>
<td>PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and</td>
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<td>Ezekiel against the backdrop of their times.</td>
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<tr>
<td>JST 3210</td>
<td>CAH-JUD: Kabbalah: Jewish Mysticism</td>
<td>PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age</td>
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<td>through the flowering of Kabbalah in medieval Spain and the land of Israel,</td>
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<td>with its texts and the Zohar.</td>
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<tr>
<td>JST 3312</td>
<td>CAH-JUD: Identity and Genre</td>
<td>PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the</td>
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<td>intellectual quest for Jewish identity and modernism in the 18th and</td>
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<td>19th centuries.</td>
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<td>JST 3401</td>
<td>CAH-JUD: Jewish People in Antiquity</td>
<td>PR: ENC 1102. History and culture of the Jewish people from the</td>
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<td>beginnings of Judaism.</td>
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<td>Biblical era through the Greco-Roman and rabbinic periods.</td>
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<tr>
<td>JST 3402</td>
<td>CAH-JUD: Wanderings: The Jewish People in Dispersion</td>
<td>PR: ENC 1102. The life and history of the Jews in the medieval and</td>
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<td>modern worlds.</td>
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<tr>
<td>JST 3415</td>
<td>CAH-JUD: American Jewish History</td>
<td>PR: ENC 1102. Jewish presence in America and its influence on and</td>
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<td>contribution to American life and culture.</td>
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<tr>
<td>JST 3417</td>
<td>CAH-JUD: Sephardi Jews: History, Culture, and Folklore</td>
<td>PR: ENC 1102. Study of Sephardi Jews (Jews originated from Spain) as</td>
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<td>dispersed in Europe and the Middle East following the Expulsion from Spain</td>
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<td>in 1492. Every Spring.</td>
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<tr>
<td>JST 3424</td>
<td>CAH-JUD: Biblical Archaeology</td>
<td>PR: ENC 1102. Examines archaeological excavations in Israel and the</td>
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<td>ancient Near East to shed light on events and stories recorded in the</td>
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<td>Biblical.</td>
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<tr>
<td>JST 3450</td>
<td>CAH-JUD: Modern Jewish Experience</td>
<td>PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish</td>
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<td>experience in the past 150 years in the Jewish transition from ghetto</td>
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<td>and traditional life to modernity in Europe, America and pre-state Israel.</td>
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<tr>
<td>JST 3481</td>
<td>CAH-JUD: 20th Century Jewish History and Thought</td>
<td>PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig,</td>
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<td>Kaplan, Herschel, Borowitz, Soloveitchik, within the historical context of</td>
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<td>European immigration to the U.S.</td>
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<tr>
<td>JST 3510</td>
<td>CAH-JUD: Notable Women in Jewish History</td>
<td>PR: ENC 1102 or C.I. Historical and cultural role of exceptional women in</td>
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<td>Judaism.</td>
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<td>JST 3550</td>
<td>CAH-JUD: Introduction of Modernism into Judaism</td>
<td>The transition from traditional Judaism to modern Judaism in the 18th</td>
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<td>century, as epitomized by Moses Mendelssohn and writers of the Hebrew</td>
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<td>Judaism (English translation).</td>
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<tr>
<td>JST 3551</td>
<td>CAH-JUD: The Holy and the Profane: The Introduction of Secularism</td>
<td>PR: ENC 1102 or JST 3401, Examines cultural, religious, and social</td>
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<td>processes from traditional Judaism to the beginning of secularism in</td>
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<td>18th-19th century European Jewry by studying Hebrew &amp; Jewish Enlightenment</td>
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<tr>
<td>JST 3620</td>
<td>CAH-JUD: Contemporary Jewish Ethics and Morality</td>
<td>PR: ENC 1102. Moral concerns using the resources of the classical</td>
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<td>Judaic tradition.</td>
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<tr>
<td>JST 3701</td>
<td>CAH-JUD: History of the Holocaust</td>
<td>A comprehensive study of the Holocaust from 1933-1945, discussing the</td>
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<td>persecution of German Jews and the annihilation of the Jews in Europe.</td>
</tr>
<tr>
<td>JST 3751</td>
<td>CAH-JUD: Literature of the Holocaust</td>
<td>A study of the historic experience of the Holocaust in Europe as expressed</td>
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<td></td>
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<td>and depicted in contemporary Jewish and Hebrew Literature.</td>
</tr>
<tr>
<td>JST 3803</td>
<td>CAH-JUD: The Israeli Experience in Short Stories</td>
<td>PR: ENC 1102. The Israeli experience in contemporary short stories.</td>
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<td>Themes include Judaism - Past &amp; Present, War &amp; Peace; Society; the</td>
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<td>Holocaust; the Kibbutz and Israeli reality.</td>
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<tr>
<td>JST 3810</td>
<td>CAH-JUD: The Jewish National Movement and Roots of Zionism</td>
<td>PR: Grade of “C” (2.0) or better in ENC 1102 or C.I. Development of</td>
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<tr>
<td></td>
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<td>Israel as a nation, including elements of nation building, the role of</td>
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<tr>
<td></td>
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<td>religion, culture, science, hi-tech and higher education.</td>
</tr>
<tr>
<td>LAE 3414</td>
<td>ED-TL&amp;L: Literature for Children</td>
<td>PR: Admission to Undergraduate Elementary Education Program or C.I.</td>
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<td>Criteria for analysis and evaluation of children's literature in terms of</td>
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<tr>
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<td>interests, needs, and abilities of children.</td>
</tr>
<tr>
<td>LAE 4321</td>
<td>ED-TL&amp;L: Language Arts in the Elementary School</td>
<td>PR: EDG 4410 or C.I. Content, principles, materials, and techniques</td>
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<tr>
<td></td>
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<td>involved in teaching, speaking, listening, writing, and spelling in the</td>
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<td>elementary school; organizing for instruction.</td>
</tr>
<tr>
<td>LAE 3432</td>
<td>ED-TL&amp;L: Programs in Teaching Language and Composition</td>
<td>PR: EDG 4410; CR: LAE 4300 and LAE 3940. Special programs, strategies</td>
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<td>and materials for middle and secondary English Language Arts majors.</td>
</tr>
<tr>
<td></td>
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<td>Emphasis on individual needs of students.</td>
</tr>
<tr>
<td>LAE 3460</td>
<td>ED-TL&amp;L: English Instructional Analysis</td>
<td>PR: EDG 4410 or C.I. Content, principles, materials, and techniques</td>
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<tr>
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<td>involved in teaching, speaking, listening, writing, and spelling in the</td>
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<tr>
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<td>elementary school; organizing for instruction.</td>
</tr>
<tr>
<td>LAE 3461</td>
<td>ED-TL&amp;L: Literacy Strategies for Middle and High School Programs</td>
<td>PR: EDG 4410 or C.I. Teaching strategies, and resources for effective</td>
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<tr>
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<td>middle and high school reading programs, to assist pre-service teachers to</td>
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<td></td>
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<td>understand content reading.</td>
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<tr>
<td>LAE 4646</td>
<td>ED-TL&amp;L: Survey of Adolescent Literature</td>
<td>PR: ENC 1103 or C.I. Admission to the college. This course is designed</td>
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<tr>
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<td>to explore adolescent/young adult literature from an educational and</td>
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<td>historical perspective.</td>
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UCF Courses and Descriptions

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2013-2014

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### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>LAE 5195</td>
<td>ED-TL&amp;L</td>
<td>CFWP Teacher Consultant: PR: C.I. This course is designed for fellows of the CFWP Summer Institute who will plan, practice, and present writing intensive components to public schools. Occasional.</td>
</tr>
<tr>
<td>LAE 5295</td>
<td>ED-TL&amp;L</td>
<td>Writing Workshop: PR: C.I. Students will engage in exploration and practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>LAE 5319</td>
<td>ED-TL&amp;L</td>
<td>Methods of Elementary School Language Arts: PR: Graduate standing, Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.</td>
</tr>
<tr>
<td>LAE 5337</td>
<td>ED-TL&amp;L</td>
<td>Literacy Strategies for Middle and Secondary Teaching: PR: EDG 6145 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategy research, and writing in the context of teaching. Fall, Spring.</td>
</tr>
<tr>
<td>LAE 5338</td>
<td>ED-TL&amp;L</td>
<td>Teaching Writing in Middle and High School: PR: EDG 6145 or C.I. Techniques and methods in teaching reading, writing, and the various grammatical rules within the context of writing. Fall, Spring.</td>
</tr>
<tr>
<td>LAE 5346</td>
<td>ED-TL&amp;L</td>
<td>Methods of Teaching English Language Arts: PR: EDG 6145 and TSL 5085 or C.I or admission to Initial Teacher Professional Preparation certificate. Designed for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English. Fall, Spring.</td>
</tr>
<tr>
<td>LAE 5376</td>
<td>CAH-ENG</td>
<td>English Composition and Literature for Teachers of Advanced Placement: PR: Graduate status or senior standing, and C.I. A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.</td>
</tr>
<tr>
<td>LAE 5415</td>
<td>ED-TL&amp;L</td>
<td>Children's Literature in Elementary Education: PR: Graduate status of children's literature: criteria for selection according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curricula. Spring.</td>
</tr>
<tr>
<td>LAE 5465</td>
<td>ED-TL&amp;L</td>
<td>Literature for Adolescents: PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. Spring.</td>
</tr>
<tr>
<td>LAE 5495</td>
<td>ED-TL&amp;L</td>
<td>Assessing Writing: PR: C.I. Students will explore a variety of strategies for assessing students' writing including holistic scoring, primary trait scoring, and portfolio assessment. Spring.</td>
</tr>
<tr>
<td>LAH 3200</td>
<td>CAH-HIST</td>
<td>Modern Latin America: PR: WOH 2022. Investigates the history of Latin American history from independence to the present. Occasional.</td>
</tr>
<tr>
<td>LAH 3400</td>
<td>CAH-HIST</td>
<td>History of Mexico and Central America: PR: EHU 2000 and 2001 or C.I. A survey of Mexican and Central American history from Pre-Columbian times to the present. Occasional.</td>
</tr>
<tr>
<td>LAH 3470</td>
<td>CAH-HIST</td>
<td>History of the Caribbean: PR: EHU 2000 and 2001 or C.I. History of Cuba, Puerto Rico, Dominican Republic, and Haiti from Pre-Columbian times to the present. Occasional.</td>
</tr>
<tr>
<td>LAH 4136</td>
<td>CAH-HIST</td>
<td>Colonial Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. Odd Fall.</td>
</tr>
<tr>
<td>LAH 4503</td>
<td>CAH-HIST</td>
<td>History of South America: PR: WOH 2022 or C.I. History of South America by focusing on themes of economic, social, and cultural history in the 19th and 20th centuries. Occasional.</td>
</tr>
<tr>
<td>LAH 4742</td>
<td>CAH-HIST</td>
<td>The Mexican Revolution: PR: AMH 2020 or C.I. Political and social history of Mexico since 1810 and nomination of one party rule of 70 years. Occasional.</td>
</tr>
<tr>
<td>LAH 5713</td>
<td>CAH-HIST</td>
<td>Colloquium in U.S.-Latin American Relations: PR: Graduate status or senior standing or C.I. The course will analyze U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussion of selected materials. Occasional.</td>
</tr>
<tr>
<td>LAH 5920</td>
<td>CAH-HIST</td>
<td>Colloquium in Latin American History: PR: Graduate standing or C.I. Examines the major themes and historiography of recent works on Latin American history. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>LAS 3001</td>
<td>CAH-LAS</td>
<td>Topics in Latin American Studies: PR: SPN 1120C or SPN 2200 or equivalent or C.I. Contemporary issues in Latin America including, among others, transformational events in culture, politics, education, and business. Fall, Spring.</td>
</tr>
<tr>
<td>LAS 4023</td>
<td>CAH-AAS</td>
<td>African Caribbean Experience: PR: ENC 1102 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.</td>
</tr>
<tr>
<td>LAT 1120C</td>
<td>CAH-LANG</td>
<td>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.</td>
</tr>
<tr>
<td>LDR 2001</td>
<td>UGST-INTERDISC</td>
<td>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.</td>
</tr>
<tr>
<td>LDR 2262</td>
<td>UGST-INTERDISC</td>
<td>Focused Volunteer Community Service: Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded SU. Fall, Spring.</td>
</tr>
<tr>
<td>LDR 3215</td>
<td>UGST-INTERDISC</td>
<td>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.</td>
</tr>
<tr>
<td>LDR 3950</td>
<td>UGST-INTERDISC</td>
<td>Leadership in Action: Capstone Experience for LEAD Scholars: PR: LDR 3215. Leadership issues and theories, including related principles and practices. Students will develop a professional portfolio, reflect on their course of study, practice public speaking, and articulate their leadership philosophy. Spring.</td>
</tr>
<tr>
<td>LEI 4266</td>
<td>ED-CFCS</td>
<td>Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the “adventure activity curriculum,” camping, water activities, fishing, orienteering, hiking. Occasional.</td>
</tr>
<tr>
<td>LIN 3673</td>
<td>CAH-WRITE</td>
<td>Grammar &amp; 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.</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>HPA-COM SC&amp;DIS</td>
<td>Language Development: PR: LIN 3713; CR: LIN 3716. Study of the acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.</td>
</tr>
<tr>
<td>LIN 3717</td>
<td>HPA-COM SC&amp;DIS</td>
<td>Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.</td>
</tr>
<tr>
<td>LIN 4105</td>
<td>CAH-ENG</td>
<td>History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.</td>
</tr>
<tr>
<td>LIN 4600</td>
<td>CAH-WRITE</td>
<td>Language and Society: PR: Grade of C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.</td>
</tr>
<tr>
<td>LIN 4615</td>
<td>CAH-SAS</td>
<td>African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102. African-American forms contrasted to Anglo-American forms with attention given to speech acts, kinematics, prosodies, paralinguistics, and gender roles. Occasional.</td>
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<tr>
<td>LIN 4615</td>
<td>CAH-SAS</td>
<td>African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102. African-American forms contrasted to Anglo-American forms with attention given to speech acts, kinematics, prosodies, paralinguistics, and gender roles. Occasional.</td>
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<tr>
<td>Course Code</td>
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<tr>
<td>LIT 3714</td>
<td>CAH-ENG</td>
<td>Literary Modernism: PR: ENC 1102. Examines a specific period, a literary movement, and a set of aesthetic/formal practices applied to poetry, novels, essays, and manifestos. Occasional.</td>
</tr>
<tr>
<td>LIT 3802</td>
<td>CAH-ENG</td>
<td>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.</td>
</tr>
<tr>
<td>LIT 4043</td>
<td>CAH-ENG</td>
<td>Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>CAH-ENG</td>
<td>Hispanic Women Writers: PR: ENC 1102. Hispanic literature in a variety of genres. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>LIT 3905</td>
<td>CAH-ENG</td>
<td>Directed experience in Literature: PR: ENC 1102. C.I. Individualized topics of study and research in literature with personalized faculty direction. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>LIT 3931</td>
<td>CAH-ENG</td>
<td>Topics in World Literature: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Themes, modes, and genres from literature outside of the U.S. Occasional.</td>
</tr>
<tr>
<td>LIT 3932</td>
<td>CAH-ENG</td>
<td>Topics in Popular Fiction: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Examines genres in popular fiction such as the western, romance, detective, fantasy, horror, or mystery. Occasional.</td>
</tr>
<tr>
<td>LIT 3933</td>
<td>CAH-ENG</td>
<td>Literature and Law: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Examines literature and law, crime, and punishment in literature from historical or contemporary perspectives. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>LIT 4043</td>
<td>CAH-ENG</td>
<td>Irish Literature: PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.</td>
</tr>
<tr>
<td>LIT 4233</td>
<td>CAH-ENG</td>
<td>Postcolonial Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strength of postcolonial rewritings, and the relationship of postcolonial theory to other theories. Occasional.</td>
</tr>
<tr>
<td>LIT 4244</td>
<td>CAH-ENG</td>
<td>World Authors: PR: ENG 3014. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>LIT 4374</td>
<td>CAH-ENG</td>
<td>Literature of the Bible: PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Occasional.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

LIT 4374H CAH-ENG 3(3,0)
Honors Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. Occasional.

LIT 4433 CAH-ENG 3(3,0)
Literature of Science and Technology: PR: ENC 1102 and Junior standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3(3,0)
Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENC 1102, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. Occasional.

LIT 5387 CAH-ENG 3(3,0)
Captives, Housewives, and Coquettes: PR: Graduate status or senior standing or C.I. Course considers early American women's literature from 17th to 19th centuries. Occasional.

LIT 5399 CAH-ENG 3(3,0)
Student in Gender and Fiction Writing: PR: Graduate status or senior standing or C.I. Graduate study of gender's implications for teaching and practice of fiction writing. Occasional.

LIT 5556 CAH-ENG 3(3,0)
Advanced Feminist Theories: PR: Graduate status or senior standing or C.I. Graduate level Feminist Theories from "French Feminism" to "Critical Race Theories". Occasional.

MAC 4226 COS-MATH 4(4,0)

MAC 4402 COS-MATH 3(3,0)
Introduction to Complex Variables: PR: MAC 2313 and MAP 2302 and MHF 3302, or C.I. Analytic functions and complex integration. Residue integration, Taylor and Laurent series, conformal mapping and the application of complex analysis to Potential Theory. Spring.

MAC 4934 COS-MATH 3(3,0)
Topics in Analysis: PR: MAS 3106 and MAC 4226, or C.I. Advanced topics in analysis. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAC 5210 COS-MATH 3(3,0)
Topics in Advanced Calculus: PR: MAS 3106, MAP 2302, or equivalent or C.I. Real numbers, epsilon-delta language, limits, continuity, integration, differentiation, Taylor's theorem, series, uniform convergence, inverse and implicit function theorems. Fall.

MAC 5228 COS-MATH 3(3,0)
Analysis I: PR: MAS 3106 or C.I. Real numbers, limits, differentiation, Riemann integrals, Riemann-Stieltjes integrals, calculus in R^n; metric and normed spaces, contraction mapping theorem, inverse and implicit functions. Fall.

MAC 1105H COS-MATH 3(3,0)
Honors College Algebra: PR: Appropriate score on the UCF Math Placement Exam, or intermediate algebra or 2 years of high school algebra, and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic), analysis of conic sections, analysis of systems of linear equations, sequences and series, mathematical induction, and the binomial theorem. The "NC" grading policy applies to this course. Occasional.

MAC 1114C COS-MATH 3(1,3)
College Trigonometry: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a "C" (2.0) or better, or C.I. The circle arc length, identities, trigonometric functions, inverse functions, applications to simple harmonic motion, function of angles, complete development of triangle solution, trigonometric functions of products for upper level mathematics. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140C COS-MATH 3(1,3)
Pre-Calculus: PR: Appropriate score on the Math Placement Exam, or MAC 1105C with a "C" (2.0) or better, or C.I. Properties and graphs of polynomials, rational, exponential and logarithmic functions, matrices, sequences and series, conic, induction, binomial theorem. Introduction to limits. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140H COS-MATH 3(3,0)
Honors Pre-Calculus Algebra: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a "C" (2.0) or better, or C.I. Analytic geometry; limits, continuity, differentiation and integration of rational, exponential, and logarithmic functions, with applications. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2147 COS-MATH 5(5,0)
Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical backgrounds who do not want to go directly into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. Even Fall, Spring.

MAC 2223 COS-MATH 3(3,0)
Concepts of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better, or C.I. The differential and integral calculus of rational, exponential, and logarithmic functions. Applications to business analysis. Not open to students with credit in MAC 2523 or MAC 2311C. The "NC" grading policy applies to this course. Occasional.

MAC 2253 COS-MATH 3(3,0)
Applied Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1114C with a "C" (2.0) or better, or C.I. Differential and integral calculus. Applications to engineering technology. Not open to students with credit in MAC 2223 or MAC 2311C. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311C COS-MATH 4(3,2)
Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1114C with a grade of "C" (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and "C" (2.0) or better in MAC 1140C or MAC 1114C, 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 2241. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1114C with a grade of C (2.0) or better, or 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. The "NC" grading policy applies to this course. With Honors content. Fall, Spring.

MAC 2312 COS-MATH 4(4,0)
Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, or C.I. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates, infinite sequences and series. Fall, Spring.

MAC 2312H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, and permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates, infinite sequences and series. With Honors content. Fall, Spring.

MAC 2313 COS-MATH 4(4,0)
Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, of score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, 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.

MAC 2403 COS-MATH 3(3,0)
Introduction to Combinatorics: PR: MAC 2312, or C.I. Counting principles; permutations and combinations, multisets; recurrence relations and generating functions; combinatorial designs; the Polya theorem of counting. Fall.

MAC 3210 COS-MATH 3(3,0)
Introduction to Graph Theory: PR: Either MHF 3302 or COT 3100C, or C.I. Graph theory; isomorphism; connectivity; traversability, matchings, factorizations; planarity, colorings, and Ramsey number. Spring.

MAC 4934 COS-MATH 3(3,0)
Topics in Discrete Mathematics: PR: MAS 3106 or MAD 4203 or MAD 4401, or C.I. Advanced topics in discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAC 5205 COS-MATH 3(3,0)
Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Polya's theory of counting; Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. Odd Spring.
MAE 2801 ED-TL&L 4(3,1) Elementary School Mathematics: PR: MAC 1205 or MAC 1210. 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 3310 ED-TL&L 3(3,0) Elementary Mathematics for Teaching I: PR: Junior standing or C.I. This course will address pedagogical content knowledge for teaching whole number concepts and operations, integers, concepts, geometry and algebraic reasoning. Fall, Spring.

MAE 3311 ED-TL&L 3(3,0) Elementary Mathematics for Teaching II: PR: MAE 3310 with a "C" (2.0) or better. This course will address pedagogical content knowledge for teaching rational number concepts and operations, measurement, and algebraic reasoning. Fall, Spring.

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 3310 and MAE 3311, CR: EDE 3942. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. Fall, Spring. M&S fee $10.00

MAE 4360 ED-TL&L 4(3,2) Mathematics Instructional Analysis: PR: EDG 4410 and MAE 4634. CR: MAE 3940. 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 6415 and TSL 5085 or admission to Initial Teacher Professional Preparation certificate. Students will develop skills in mathematics content and delivery of mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered. Occasional.

MAE 5336 ED-TL&L 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 6415 and TSL 5085 or admission to MED program or Initial Teacher Professional Preparation certificate. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5935 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 2021 BA-MAN 3(3,0) Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(4,0) Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 4(4,0) Honors Management of Organizations: PR: Junior standing, approved major or minor, and consent of Honors. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and control. Applicable to honors students. Spring.

MAN 3301 BA-MAN 3(3,0) Management of Human Resources: PR: Junior standing and approved major or minor. MAN 3025. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.


MAN 3354 BA-MAN 3(3,0) Employee Training for Non-Business Majors: PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.


MAN 4029 BA-MAN 3(3,0) Service Organization Management: PR: Management major, MAN 3025 and MAN 3520. Study of the special characteristics, problems, and methods for managing service-oriented organizations. Occasional.

MAN 4101 BA-MAN 3(3,0) Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4240 BA-MAN 3(3,0) Organizations: Theory and Behavior: PR: Management major, MAN 3025. A course providing a micro/macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall, Spring.

MAN 4320 BA-MAN 3(3,0) Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330 BA-MAN 3(3,0) Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.

MAN 4350 BA-MAN 3(3,0) Training and Development: PR: Management major, MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401 BA-MAN 3(3,0) Labor Relations Management: PR: Management major, Junior standing. MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to actual 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 3301. In-depth study of 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. Preparation of project management in assorted business and organizations (large/small; manufacturing/service; for profit/for not for profit). Covers all project phases from initiation to termination. Occasional.

MAN 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor. MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0) Business Ethics and Society: PR: Management major, Fall, Spring. 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 learn to apply material learned in their business courses to modern organizational problems and opportunities. Fall, Spring.

MAN 4802 BA-MAN 3(3,0) New Venture and Small Business Management: PR: GEB 3113 or (MAN 3025 & FIN 3403C). Legal, organizational design, supply chain, and human resource challenges that affect small business success and growth. Fall, Spring.

MAN 4941 BA-MAN 3(3,0) Management Internship: PR: Management major, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. Occasional.

MAN 5037 BA-MAN 3(1,5,0) Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.

MAN 5050 BA-MAN 2(2,0) Management Concepts: PR: Acceptance in MBA program. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Odd Fall.

MAN 5867 BA-MAN 3(3,0) Small Business Consulting: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. Occasional.

MAP 2302 COS-MATH 3(3,0) Ordinary Differential Equations I: PR: Grade of "C" (2.0) or better in MAC 2312; PR: or C.I: MAC 2313; or C.I: Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. Fall, Spring.

MAP 2302H COS-MATH 3(3,0) Honors Differential Equations: PR: Grade of "C" (2.0) or better in MAC 2312, and permission of Honors. Methods of solution for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. Occasional.

MAP 3482H COS-MATH 3(3,0) Honors Systems Modeling and Simulation: PR: Permission of Honors and MAC 2312. Population growth dynamics; spread of an epidemic; ecological predator-prey relationships; insulin and its use in the control of diabetes; economic systems. Occasional.
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MAP 3923 COS-MATH 1(1,0)
Frontiers in Mathematical Research: Colloquia and Public Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 4103 COS-MATH 3(3,0)

MAP 4113 COS-MATH 3(3,0)
Probability, Random Processes and Introduction to Stochastic Models: PR: COS-MATH 3(3,0) or C.I. Linear 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 and MAS 3105, or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0)
Optimization: PR: MAC 2313, MAP 2302, and MAS 3105, or C.I. Linear programming, dynamic programming, control theory, integer programming. Occasional.

MAP 4303 COS-MATH 3(3,0)

MAP 4341 COS-MATH 3(3,0)

MAP 4371 COS-MATH 3(3,0)

MAP 4384 COS-MATH 3(3,0)

MAP 4484 COS-MATH 3(3,0)
Mathematical Biology I: PR: MAP 2302 and MAS 3105, or C.I. Mathematical models of single populations, predator-prey systems, competition between species, host-parasite systems, epidemics, genetics, excitable systems. Occasional.

MAP 4494 COS-MATH 3(3,0)
Mathematical Biology II: PR: MAP 4484. Mathematics of permanence, persistence and stability of ecological communities; competition in special habitats; epidemics; immune system; optimal foraging; cancer modeling; physiological modeling; genetics; protein folding. Occasional.

MAP 4934 COS-MATH 3(3,0)
Topics in Applied Mathematics: PR: MAP 2302 and MAS 3105, or C.I. Advanced topics in applied mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAP 5117 COS-MATH 3(3,0)
Mathematical Modeling: PR: STA 4321, MAP 4303, graduate standing or senior standing, or C.I. Introduction to mathematical modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Even Fall.

MAP 5336 COS-MATH 3(3,0)

MAP 5426 COS-MATH 3(3,0)
Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integrals, Bessel functions, gamma functions, generating functions, recurrence relations and orthogonal properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.

MAP 5455 COS-MATH 3(3,0)
Advanced Mathematics for Engineers: PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods for differential equations, and applications to engineering. Occasional.

MAP 5514 COS-MATH 3(3,0)
Linear and Nonlinear Waves I: PR: MAP 2302, and graduate standing or senior standing, or C.I. Equations of motion in incompressible and viscous fluids, energy and mass equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. Occasional.

MAP 5931 COS-MATH 1(1,0)
Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary basic material and presenting current investigations. Different branches of mathematics will be presented for a sense of diversity. Occasional.

MAR 3023 BA-MAR 4(4,0)
Marketing: PR: Admission to UCF. Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. Fall, Spring.

MAR 3023H BA-MAR 4(4,0)
Honors Marketing: PR: Permission of Honors College. Honors introductory course in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. Fall.

MAR 3023 BA-MAR 4(4,0)
Supply Chain and Operations Management: PR: Admission to College of Business or completion of ECO 3411 or completion of MAC 1140C (or higher) and STA 2014C (or higher) with a grade of C (2.0) or higher. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information to meet customer's demands. Fall, Spring.

MAR 3023H BA-MAR 4(4,0)
Honors Supply Chain and Operations Management: PR: Consent of the Honors College. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information to meet customer's demands. Fall, 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. Study of marketing as it applies to the sports and leisure industry. Occasional.

MAR 3391H BA-MAR 3(3,0)
Honors Professional Selling: PR: MAR 3023 with a "C" (2.0) or better, and consent of Honors, or C.I. Applied written and verbal communication skills learned within the context of professional selling with honors content. Spring.

MAR 3403 BA-MAR 3(3,0)
Sales Force Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program 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 3022 with a grade of C (2.0) or better or ECO 3411 with a grade of C (2.0) or better. Mathematical tools and their application to marketing problems and decision making. Forecasting, financial analysis, and acquisition of primary data through market research are emphasized. Fall.

MAR 3641 BA-MAR 3(3,0)
Marketing Intelligence: 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 sensing external forces impacting market decision making. Fall, Spring.

MAR 3721 BA-MAR 3(3,0)
Digital Media Marketing: PR: MAR 3023 with a grade of "C" (2.0) or better and completion of common program prerequisites and appropriate major or minor. Analysis of current technology to marketing decision-making. Occasional.

MAR 3765 BA-MAR 3(3,0)
Entrepreneurial Marketing: PR: MAR 3023 with a grade of "C" (2.0) or better and completion of common program prerequisites and appropriate major or minor, or C.I. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information to meet customer's demands. Fall, Spring.

MAR 4156 BA-MAR 3(3,0)
International Marketing: PR: MAR 3023 with a grade of "C" (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Investigates strategy, policy and the variables in international marketing decisions. Fall, Spring.

MAR 4231 BA-MAR 3(3,0)
Retailing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. Occasional.

MAR 4413C BA-MAR 3(2,3)
Strategic Issues in Sales-Lecture: PR: Marketing major admission to professional selling track, and completion of MAR 4412C with a "C" (2.0) or better. Advanced study of selected contemporary strategic issues in selling and sales management. Spring.

MAR 4415C BA-MAR 3(2,3)
Advanced Professional Selling: PR: Marketing major admission and professional selling track. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Fall.

MAR 4711 BA-MAR 3(3,0)
Sports Marketing: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to 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 consent of department chair. Provides an overview of healthcare marketing, with emphasis on the marketing of products and services in the healthcare industry. Occasional.

MAR 4715 BA-MAR 3(3,0) Entrepreneurship 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 entrepreneurship industry. Occasional.

MAR 4803 BA-MAR 3(3,0) Marketing Management: PR: MAR 3503 and MAR 3613 and, pursuant to development of a student-centered curriculum, implementation, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR 3(3,0) Marketing Strategies: PR: MAR 4803 with a C (2.0) or better. Marketing programs are explored, with emphasis on strategy formulation and integrative marketing decision-making. Fall, Spring.

MAR 4841 BA-MAR 3(3,0) Services Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Examination of marketing in services industries, with particular emphasis on unique aspects of services marketing, the service marketing mix, and the implementation of services strategies. Fall, Spring.

MAR 4934 BA-MAR 3(3,0) Contemporary Marketing Topics in Flora: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Advanced study of marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, travel, sports, gaming, and TIPS. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.

MAR 4941 BA-MAR 3(3,0) Marketing Internship: PR: Marketing major, application approval, consent of department chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. Fall, Spring.

MAS 3105 COS-MATH 4(4,0) Matrix and Linear Algebra: PR: MAC 2312 or C.I. Linear vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvalues, Jordan Canonical Form, matrix functions, quadratic forms. Fall, Spring.

MAS 3105H COS-MATH 4(4,0) Honors Matrix and Linear Algebra: PR: MAC 2312 and permission of Honors or C.I. Matrices, determinants, vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvalues, Jordan Canonical Form, matrix functions, quadratic forms; with Honors content. Fall.

MAS 3106 COS-MATH 4(4,0) Linear Algebra: PR: MHF 3302 and MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. Fall, Spring.

MAS 3203 COS-MATH 3(3,0) Introduction to Number Theory: PR: MHF 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. Spring.

MAS 4301 COS-MATH 3(3,0) Abstract Algebra I: PR: MHF 3302 and MAS 3105, or C.I. Concepts and rings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorem, groups actions, the class equation, Sylow theorems, and rings. Fall.

MAS 4302 COS-MATH 3(3,0) Abstract Algebra II: PR: MAS 4301 or C.I. Advanced topics in abstract algebra, including ring and field theory; introduction to Galois theory. Spring.

MAS 4934 COS-MATH 3(3,0) Topics in Algebra: PR: MAS 3106 and MAS 4301, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAS 5145 COS-MATH 3(3,0) Advanced Linear Algebra and Matrix Theory: PR: MAS 3106 or C.I. Linear spaces, subspaces, linear transformations, matrices, eigenvalues and eigenvectors. Jordan forms, positive definite matrices, bilinear and quadratic forms, functions of matrices. Even Fall.

MAS 5311 COS-MATH 3(3,0) Algebra I: PR: MAS 4001 or graduate standing or C.I. Sets and categories, groups and groupoids, group actions, the class equation, Sylow theorems, Jordan-Holden Theorem, Rings, Modules, Complexes, Factorization, and Irreducibility. Occasional.

MAT 1033C COS-MATH 3(1,3) Intermediate Algebra: PR: MAT 0028, 0110, or CR: MAT 0110. Introduction to algebraic, numerical, and geometric problem solving. Composition of 6 one-hour lab sessions a week. Fall, Spring.

MAT 3937 COS-MATH 1(1,0) Techniques of Problem Solving: PR: MAC 2311C and C.I. A study of methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded SU. May be repeated for credit. Fall.

MAT 5712 COS-MATH 3(3,0) Scientific Computing: PR: MAC 2312, MAP 2302, MAS 3105, or C.I. MATLAB fundamentals, computer arithmetic, nonlinear equations, polynomial interpolation, divided differences, splines, curve fitting, least-squares method, numerical differentiation and Integration. Even Fall.

MCB 1000 COM&M&M 3(3,0) The Invisible World: Introduction to microbes, their beneficial and detrimental activities, and their importance to our everyday lives. Fall.

MCB 1310 COM&M&M 3(3,0) Introduction to Biotechnology and Genetic Engineering: Introduction to theories, laws, principles, applications, and practice of biotechnology and genetic engineering in agriculture, medicine, forestry, environment, computer/industrial chemistry and engineering, and business administration. Occasional.

MCB 1404C COM&M&M 4(2,2) Microbiology for Health Professionals: PR: BSC 2010C, CHM 1022 or CHM 2045C. A survey of microbiology for the health professional. Spring. M&S fee $53.00


MCB 2010C COM&M&M 5(3,0) Honors General Microbiology: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 2004C with enrichment and further development of analytical skills in a separate laboratory and discussion section. With Honors content. Fall. M&S fee $53.00


MCB 3202 COM&M&M 3(3,0) Principles of Infection Disease: PR: MCB 3200C. Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines and antimicrobials, and virulence mechanisms. Occasional.

MCB 3203 COM&M&M 3(3,0) Pathogenic Microbiology: PR: MCB 3202C or C.I. Microorganisms producing disease in man and other animals; means of transmission, protection against disease. Spring.

MCB 3203L COM&M&M 1(0,3) Pathogenic Microbiology Lab: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring, M&S fee $53.00


MCB 4201 COM&M&M 3(3,0) Microbial Stress Response: PR: MCB 3020C or CR: MCB 3202C. Examination of the molecular genetic mechanisms that bacterial and fungal pathogens use to adapt to changes in their environment. Fall.

MCB 4204 COM&M&M 3(3,0) Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C, PCB 5522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCB 4207 COM&M&M 3(3,0) Infectious Processes: PR: MCB 3020C. The infectious process and the response of host cells and tissues to the host-pathogen interaction. Fall.

MCB 4276 COM&M&M 3(3,0) Epidemiology of Infectious Diseases: PR: MCB 3020C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. Spring.

MCB 4312 COM&M&M 3(3,0) Molecular Biotechnology: PR: MCB 3200C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

MCB 4404 COM&M&M 3(3,0) Bacterial Genetics and Physiological: PR: PCB 3522. Basic principles of microbial genetic analysis emphasizing how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.

MCB 4410 COM&M&M 3(3,0) Cellular Metabolism: PR: PCB 3522 or PCB 3023. Basic concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. Fall.

MCB 4414 COM&M&M 3(3,0) Metabolic Biotechnology: PR: MCB 3020C, CR: BCH 4053. Interrelationship between cellular structure and function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.


MCB 4603 COM&M&M 3(3,0) Environmental Microbiology: PR: MCB 3202C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.
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MCB 4720 COM-M&M 3(3,0) Industrial Perspectives Seminar: PR: Biotechnology major and CR: MCB 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. Fall.

MCB 4721C COM-M&M 4(2,4) Methods in Biotechnology: PR: BSC 3403C. Fluorescence and luminescence-based assays used in biotechnological industry for target validation. Occasional. M&S fee $70.00

MCB 4920C COM-M&M 3(1,4) Group-Effect Applied Research: PR: MCB 3020C and BSC 3403C. Hands-on training class focused on real-world applied research. Students participate as a group in a research project focusing on highly-parallel technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

MCB 5205 COM-M&M 3(3,0) Infectious Diseases: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells to tissue 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.


MCB 5225 COM-M&M 3(3,0) Molecular Biology of Disease: PR: Graduate standing or C.I. An in-depth study of the molecular genetic mechanisms, bacterial and fungal pathogen used to adapt to changes in their environment. Fall.

MCB 5314 COM-M&M 1(1,0) Industrial Perspectives Seminar: PR: Biotechnology MS students. Learning concepts of basic research and drug development in the pharmaceutical industry and technical presentation. May be used in the degree program a maximum of 2 times. Fall.

MCB 5415 COM-M&M 3(3,0) Cellular Metabolism: PR: Graduate standing or C.I. Basic concepts of the mechanisms that define the functional and regulatory processes in prokaryotic and eukaryotic cell metabolism. Fall.

MCB 5505 COM-M&M 3(3,0) Molecular Virology: PR: Graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

MCB 5654 COM-M&M 3(3,0) Applied Microbiology: PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5722C COM-M&M 4(2,4) Methods in Biotechnology: PR: Graduate standing. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biotechnological industry for target validation. Occasional. M&S fee $70.00

MCB 5932 COM-M&M VAR Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MET 2104 COS-PHYS 3(3,0) The Earth’s Climate: History, physics and dynamics of the Earth’s climate. Odd Spring.

MGF 1106 COS-MATH 3(3,0) Finite Mathematics: PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a “C” (2.0) or better, or C.I. Introduction to systematic counting, probability, geometry, statistics, sets and logic. This course is intended for students who are not planning to take upper level courses in mathematics. Fall.

MGF 1107 COS-MATH 3(3,0) Explorations in Mathematics: PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a “C” (2.0) or better, or C.I. The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. This course is intended for students not planning to take upper level mathematics. Fall, Spring.


MTH 4404 COS-MATH 3(3,0) History of Mathematics: PR: MAC 2312 or C.I. A chronological study of the evolution of mathematical thought from primitive counting through modern ideas of the 20th century. Recommended for prospective teachers in mathematics. Fall.

MTH 4934 COS-MATH 3(3,0) Topics in Foundations and History of Mathematics: PR: MTH 3302 or MTH 3310, or C.I. Advanced, specialized topics in the foundations and history of mathematics, ranging from set theory and mathematical logic to the history and development of mathematical theories. May be used in the degree program a maximum of 3 times. Occasional.

MTH 2330 ED-E&HS 3(3,0) Career Planning: Introduction to career and life planning theories and concepts that assists students in applying these to their own lives. Odd Fall. Even Spring.

MTH 2441 ED-E&HS 3(3,0) Marriage and Intimate Relationships: Examination of the dynamics of intimate relationships, dating, courtship and challenges of establishing stable and satisfying marriage, impact of divorce, Premarital preparation and marital education. Occasional.

MTH 5005 ED-E&HS 3(3,0) Introduction to the Counseling Profession: PR: Completion of Phase II of Education Professional Preparation or C.I. Review of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MTH 3220C COM-M&M 3(3,3) Techniques in Clinical Microscopy: PR: CHM 2210, PCB 3703C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. Fall. M&S fee $70.00

MTH 3305 COM-M&M 3(3,0) Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hemopoietic system and diseases associated with blood and bone marrow. Spring.

MTH 3305L COM-M&M 1(0,6) Hematology Lab: PR: MLS 3305. Practical laboratory procedures are performed for analyzing hematologic abnormalities. Spring.

MTH 3705 COM-M&M 3(3,0) Concepts in Education/Management: PR: Admission to professional phase of the MLS program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MTH 4334 COM-M&M 3(3,0) Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MTH 4430C COM-M&M 3(2,3) Clinical Parasitology: PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the identification and study of clinical material for the detection and identification of human parasites. Fall. M&S fee $46.00

MTH 4460L COM-M&M 1(0,6) Clinical Pathogenic Microbiology Lab: PR: Admission to the professional phase of the MLS program. CR: MCB 3020. Laboratory analysis of human pathogens from clinical samples to include bacteria and fungi. Spring. M&S fee $53.00


MTH 4550 COM-M&M 1(0,6) Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incomparable crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee $70.00

MTH 4602 COM-M&M 3(3,0) Advanced Clinical Chemistry I: PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MTH 4640L COM-M&M 1(0,3) Advanced Clinical Chem I Lab: CR: MLS 4626. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee $70.00

MTH 4630 COS-M&M 3(3,0) Advanced Clinical Chemistry II: PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific human disease states. Spring.

MTH 4830L COM-M&M 4(0,8) Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4625, MLS 4630. Instruction and practice of clinical chemistry laboratory procedures at an off-campus affiliated hospital/clinical site. Fall.

MTH 4831L COM-M&M 4(0,8) Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4565C. Instruction and practice of blood banking and transfusion medicine laboratory procedures at an off-campus affiliated hospital/clinical site. Fall.

MTH 4832L COM-M&M 4(0,8) Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 3305, MLS 4334. Instruction and practice of clinical hematology laboratory procedures at an off-campus affiliated hospital/clinical site. Fall.

MTH 4833L COM-M&M 4(0,8) Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4460C. Instruction and practice of clinical microbiological procedures at an off-campus affiliated hospital/clinical site. Fall.

MTH 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.


MMC 2004 COS-COMM 3(3,0) Mass Media: Introduction to the nation’s mass media, including newspapers, radio, television, magazines, advertising, and public relations. Fall. Spring.

MMC 3200 COS-COMM 3(3,0) Mass Media and Mass Media Law: PR: One of the following: SPE 106H, SPE 1005C, COM 1000, or C.I. Legal rights and responsibilities of the mass media. Fall, Spring.
UCF Courses and Descriptions

MME 3200H COS-COMM 3(3,0)

MME 3420 COS-COMM 3(3,0)
Mass Media Research Methods: PR: R-TV or Ad-PR major or pending, or Mass Comm. minor. Theory and methods of research used by media professionals and academics, focusing on radio-television and advertising-public relations research. Fall, Spring.

MME 3630 COS-COMM 3(3,0)
Social Media as Mass Communication: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. Principles and practices of social media and its role in communicating to mass audiences. Occasional.

MME 4263 COS-COMM 3(3,0)
New Media Technologies: PR: Majors only, RTVF 3200. An examination of the technologies impacting the communications media environment and society. Occasional.

MME 4300 COS-COMM 3(3,0)
International Media: PR: Junior standing or C.I. The student will analyze different communication systems from around the world. There will be at least six case studies from any of these areas - Asia, Latin American, Western Europe, Middle East, Africa. Occasional.

MME 4411 COS-COMM 3(3,0)
Ad-PR Campaigns: PR: Ad-PR majors only, ADV 3008 and PUR 4000 and either PUR 4310 or ADV 4301, and either PUR 4941 or ADV 4941. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. Fall, Spring.

MME 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. Spring.

MSL 100IC ECA-AROTC 2(1,1)
Foundations of Officership: Examines the unique duties and responsibilities of officers, organization and role of the Army, reviews skills pertaining to fitness and communication, and analyzes Army values and expected behavior. May be repeated for credit. Fall.

MIL 1002C ECA-AROTC 2(1,1)
Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. Spring.

MIL 2101C ECA-AROTC 2(1,1)
Individual Leadership Studies: Develops knowledge of self, self-confidence, and leadership skills; develop problem solving and critical thinking skills; apply communication, feedback, and conflict resolution skills. Fall.

MIL 2102C ECA-AROTC 2(1,1)
Leadership and Teamwork: Focuses on self-development guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. Spring.

MIL 3201C ECA-AROTC 4(3,1)
Leadership and Problem Solving: PR: Junior standing. Examines skills that underlie effective problem solving and responsibilities of officers; organization and role of the Army; analyzes military missions and plan military operations; and executes squad battle drills. Fall.

MIL 3202C ECA-AROTC 4(3,1)
Leadership and Ethics: PR: MIL 3201C. Probes leadership responsibilities that foster an ethical command climate; leadership and ethics competencies; applies principles and techniques of effective written and oral communication. Spring.

MIL 4301C ECA-AROTC 4(3,1)
Leadership and Management: PR: MIL 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.

MIL 4302C ECA-AROTC 4(3,1)
Officership: PR: MIL 4301C. Capstone course to explore topics relevant to second lieutenants entering the Army; describes legal aspects of decision making and leadership; and analyzes Army organization from tactical to strategic level. Spring.

MTG 4212 COS-MATH 4(4,0)
Modern Geometries: PR: MAC 2311C and MTH 3002. Sets of axioms, finite geometries, groups of transformations, Euclidean motions of 2-space and 3-space, convexity in 2-space and 3-space. Euclidean geometry of polygon and circle, constructible numbers, constructions and non-Euclidean geometry. Fall.

MTG 4254 COS-MATH 3(3,0)
Introduction to Differential Geometry: PR: MAC 2313 and MTH 3106, or C.I. Topics include curves and surfaces, differential manifolds, tangent space, differentials, curvature and torsion tensors, connections, covariant differentiation, lie derivative, integration on manifolds, and Riemannian manifolds. Occasional.

MTG 4302 COS-MATH 3(3,0)
Introduction to Topology: PR: MTH 3302 and MTH 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. Spring.

MTG 4934 COS-MATH 3(3,0)
Topics in Topology and Geometry: PR: MAC 2313 and MTH 3106 or C.I. Advanced topics in geometry and topology. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MTG 5253 COS-MATH 3(3,0)
Introduction to Differential Geometry: PR: MAC 2313 or equivalent or C.I. Curves and surfaces in 2D and 3D, covariant derivative of a vector field, geodesics, Gauss-Bonet Theorem. Fall.

MTG 5256 COS-MATH 3(3,0)
Differential Geometry: PR: MAA 4227, graduate status or senior standing, or C.I. Differentiable manifolds, tangent space and tangent bundle, flows and vector fields, Lie derivatives, cotangent space and cotangent bundles, Riemann metrics, connections and geodesics, applications in classical mechanics. Occasional.

MUC 1101C CAH-MUSIC 2(1,1)
Composition I: PR: MUC 1122 and MUL 2014 each with a grade of “C” (2.0) or better or C.I. Creative work in music. May be repeated for credit. Fall, Spring.

MUC 2104C CAH-MUSIC 2(1,1)
Composition II: PR: MUC 1101C and Music composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. Fall, Spring.

MUC 3105C CAH-MUSIC 3(3,1)
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 4220 Composition Recital: CR: MUC 4106C. Culminating public concert of works written while studying Composition I-IV. Graded S/U. Odd Fall.

MUC 5112 CAH-MUSIC 2(1,0)
Composition V: PR: Graduate standing in music education or C.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 236C and MUC 1101C, or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. Occasional.

MUE 2040 CAH-MUSIC 2(0,0)

MUE 2211 ED-CFCS 3(3,0)

MUE 2346 CAH-MUSIC 1(2,0)
Techniques I: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.

MUE 2440 CAH-MUSIC 1(2,0)
String Techniques: PR: MUED major, junior standing or C.I. Class instruction in string playing and pedagogical techniques. Spring. M&S fee $51.00

MUE 2450 CAH-MUSIC 1(2,0)
Woodwind Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in windwood playing and pedagogical techniques. Fall.

MUE 2460 CAH-MUSIC 1(2,0)
Brass Techniques: PR: MUED major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUE 2470 CAH-MUSIC 1(2,0)
Percussion Techniques: PR: MUE 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today's instrumental music teachers. Odd Spring. M&S fee $35.00

MUE 3210 ED-TL&L 1(1,0)
Music in the Elementary School: PR: EDG 2005; CR: ARE 4313, HLP 4720, RED 4539, MUE 4326, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.

MUE 3333 CAH-MUSIC 3(3,0)

MUE 3353 CAH-MUSIC 2(0,0)

MUE 3451 CAH-MUSIC 1(1,0)
Woodwind Techniques II: PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC 1(1,1)
Brass Techniques II: PR: MUE 2460. Continuation of study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.

MUE 3693 CAH-MUSIC 2(2,0)
Technology in Music Education: PR: MUE 2360 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 3533, EDG 4410, TSL 4098, EDG 4603 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded SU. Fall, Spring.
**MUN 3313** CAH-MUSIC 3(3.0) Wind Ensemble: PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3423** CAH-MUSIC 10(2) Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3426** CAH-MUSIC 1(1.0) Saxophone Ensemble: PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all saxophones. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $20.00

**MUN 3427** CAH-MUSIC 1(1.0) Flute Ensemble: PR: Student must pass an audition in front of the instructor. Study and performance of music written for an ensemble comprised of all flutes. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $20.00

**MUN 3431L** CAH-MUSIC 1(0.2) Brass Quintet: PR: Audition and Consent of Instructor. Rehearsal and performance of music for brass quintet. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

**MUN 3433** CAH-MUSIC 1(0.2) Brass Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3437** CAH-MUSIC 1(1.0) Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. Occasional. M&S fee $20.00

**MUN 3443** CAH-MUSIC 1(0.2) Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3444** CAH-MUSIC 1(1.0) Mallet Ensemble: PR: Preparation and performance of music for mallet ensemble. May be repeated for credit. Fall, Odd Spring. M&S fee $20.00

**MUN 3453** CAH-MUSIC 1(0.3) Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3483** CAH-MUSIC 1(0.2) String Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3487** CAH-MUSIC 1(0.2) Guitar Ensemble: PR: Audition or C.I. Study and performance of music for multiple guitars. May be used in the degree program a maximum of 4 times, Odd Spring. M&S fee $20.00

**MUN 3713** CAH-MUSIC 1(0.4) Jazz Ensemble: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3714** CAH-MUSIC 1(0.2) Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3813** CAH-MUSIC 1(1.1) Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 4476** CAH-MUSIC 1(0.2) Early Music Ensemble: PR: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall, Spring. M&S fee $5.00

**MUN 5125** CAH-MUSIC 1(0.3) Concert Band: PR: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

**MUN 5145** CAH-MUSIC 1(0.4) Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

**MUN 5215** CAH-MUSIC 1(0.5) Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

**MUN 5325** CAH-MUSIC 1(0.3) Women's Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women's voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

**MUN 5368L** CAH-MUSIC 1(0.3) Graduate Madrigal Singers: PR: Graduate standing in Music Education and C.I. Study of varied literature for small vocal ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $30.00

**MUN 5385L** CAH-MUSIC 1(0.3) Graduate University Chorus: PR: Graduate standing in Music Education and C.I. Study and performance of large ensemble music. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

**MUN 5445** CAH-MUSIC 1(0.2) Repertoire 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. Even 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. Preparation 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 4 times. Odd Fall. M&S fee $5.00

**MUN 5715L** CAH-MUSIC 1(0.4) Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

**MUN 5716L** CAH-MUSIC 1(0.2) Jazz Chamber Group: PR: Audition, graduate standing or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee $20.00

**MUO 2501C** CAH-MUSIC 2(1.1) Opera Skills: PR: Open to all students by audition. Integration of singing, acting, and movement to opera; explores basic stage movement, character preparation, and performance of opera arias. Fall.
MUS 1250 CAH-MUSIC 1(2,0)
IPA for Singers: PR: Music major or C.I. The International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. Occasional. Fall.

MUS 2360C CAH-MUSIC 3(2,2)
Introduction to Music Technology: PR: Music major or C.I. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CDs, and the Internet. Fall, Spring. M&S Fee $15.83

MUS 3254 CAH-MUSIC 2(2,0)

MUS 3255 CAH-MUSIC 2(2,0)
German and English Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUS 3953 CAH-MUSIC 0(1,0)
Recital Performance I: PR: Junior Level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded SU. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC 3(3,0)
Music Business and Industry: PR: MUS 2360C or C.I. Today’s music industry copyright, publishing, contracts and licensing. Occasional.

MUS 4674 CAH-MUSIC 3(3,0)

MUS 4900 CAH-MUSIC 3(3,0)
Music BA Capstone Project: PR: C.I. Self-designed project completed under faculty supervision, that demonstrates abilities to think critically and work independently while applying knowledge and skills from music and other subjects. Graded SU. Occasional.

MUS 4905 CAH-MUSIC 1-4(1-4)
Directed Experience: PR: C.I. and Junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 5365 CAH-MUSIC 3(3,0)
Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD-ROM, and the high-tech music classroom. Occasional.

MUS 5677 CAH-MUSIC 3(3,0)
Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Wellness interventions and methods of maintaining physical health and wellness for musicians. Occasional.

MUT 1004 CAH-MUSIC 3(3,0)
Fundamentals of Music I: Basic music theory and reading music at the keyboard. Fall.

MUT 1121 CAH-MUSIC 4(2,3)
Music Theory and Musicanship I: PR: MUT 1004 or C.I. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1122 CAH-MUSIC 4(2,3)
Music Theory and Musicanship II: PR: MUT 1121 or C.I. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2126 CAH-MUSIC 4(2,3)
Music Theory and Musicanship III: PR: MUT 1122 or C.I. Continuation of MUT 1122. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2127 CAH-MUSIC 4(2,3)
Music Theory and Musicanship IV: PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 3170 CAH-MUSIC 3(3,0)
Jazz Theory I: PR: MUT 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 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(3,0)

MUT 4401 CAH-MUSIC 3(3,0)
Counterpoint: PR: MUT 2127. Counterpoint in Western music from the 16th to the 20th Centuries. Even Spring.

MUT 4571 CAH-MUSIC 3(3,0)
Analysis of Twentieth-Century Music: PR: MUT 2127 or equivalent. Techniques of analysis for various styles of twentieth-century music. Odd Fall.

MUT 5316 CAH-MUSIC 3(3,0)
Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. Odd Spring.

MUT 5381 CAH-MUSIC 3(3,0)
Arranging and Composing Music: C.R.: Performing ensemble. 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 1211 CAH-MUSIC 1(0,1)

MVB 1212 CAH-MUSIC 1(0,1)

MVB 1213 CAH-MUSIC 1(0,1)

MVB 1214 CAH-MUSIC 1(0,1)

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: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1)
Tuba: PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1)
Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1)
French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1)
Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC 2(1,1)
Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1)
Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC 2-3(1,1)
Trumpet III: PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

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)
Tuba 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.
Euphonium III: PR: MVG 2425 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.

Tuba III: PR: MVG 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.

Tuba IV: PR: MVG 3434 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.

French Horn IV: PR: MVG 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.

Trombone IV: PR: MVG 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.

Euphonium IV: PR: MVG 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.

French Horn V: PR: MVG 3435 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.

Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

Tuba: PR: MVG 3436 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.

French Horn: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

Trombone: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

Baritone: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

Tuba: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

Jazz Piano II: PR: MJG 1010. Continuation of MJG 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.

Jazz Piano III: PR: MJG 1213. Continuation of MJG 1213. Scale Studies, arpeggios, chord voicings, and other techniques included in progressive jazz guitar skills may be used in the degree program a maximum of 3 times. Odd Spring.

Jazz Piano IV: PR: MJG 1219. Jazz Piano Set II: PR: MJG 1219. Continuation of MJG 1219. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

Jazz Bass II: PR: MJG 1214. Continuation of MJG 1214. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

Jazz Bass III: PR: MJG 2220. Continuation of MJG 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.

Jazz Drum Set II: PR: MJG 2229. Continuation of MJG 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

Jazz Drum Set III: PR: MJG 2229. Continuation of MJG 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

Jazz Drum Set IV: PR: MJG 2229. Continuation of MJG 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

Jazz 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.

Jazz Bass IV: PR: Audition, standing or senior standing, and C.I. Study of jazz bass literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

Jazz Piano V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz piano literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.
MVS 1216 CAH-MUSIC 1(1,0)
Advanced Secondary Instruction: PR: Graduate status or senior standing, and C.I. Advanced instrumental techniques on a secondary instrument or in voice. May be repeated for credit. Occasional.

MVP 1211 CAH-MUSIC 1(0,1)

MVP 1411 CAH-MUSIC 2(1,1)
Percussion I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVP 2421 CAH-MUSIC 2(1,1)
Percussion II: PR: MVP 1411 and competence determined by faculty jury. Continuation of MVP 1411. May be repeated for credit. Fall, Spring, M&S fee $35.00.

MVS 1412 CAH-MUSIC 2(1,1)
Bass 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 I: PR: MVP 1412 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1)
Viola I: PR: MVP 1412 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1)
Cello I: PR: MVP 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1)
Bass II: PR: MVP 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC 2(1,1)
Harp I: PR: MVP 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2-3(1,1)
Violin III: PR: MVP 2421 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring, M&S fee $35.00.

MVS 3432 CAH-MUSIC 2(3,1,1)
Viola II: PR: MVS 3431 and competence determined by faculty jury. Continuation of MVS 3431. May be repeated for credit. Fall, Spring.

MVS 3433 CAH-MUSIC 2-3(1,1)
Cello II: PR: MVS 2422 and competence determined by faculty jury. Continuation of MVS 2422. May be repeated for credit. Fall, Spring.

MVS 3434 CAH-MUSIC 2(3,1,1)
Bass III: PR: MVS 2424 and competence determined by faculty jury. Continuation of MVS 2424. May be repeated for credit. Fall, Spring.

MVS 3435 CAH-MUSIC 2(3,1,1)
Harp II: PR: MVP 2425 and competence determined by faculty jury. Continuation of MVS 2425. May be repeated for credit. Fall, Spring.

MVS 3436 CAH-MUSIC 2(3,1,1)
Guitar III: PR: MVP 2426 and competence determined by faculty jury. Continuation of MVS 2426. May be repeated for credit. Fall, Spring.

MVS 4442 CAH-MUSIC 4(1,1)
Violin IV: PR: MVS 3432 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 4443 CAH-MUSIC 4(1,1)
Cello IV: PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC 4(1,1)
Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the string bass, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4445 CAH-MUSIC 4(1,1)
Harp IV: PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the harp, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3451 CAH-MUSIC 2(0,1)
Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5452 CAH-MUSIC 2(0,1)
Viola V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5453 CAH-MUSIC 2(0,1)
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5454 CAH-MUSIC 2(0,1)
Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5455 CAH-MUSIC 2(0,1)
Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC 2(0,1)
Guitar V: PR: Graduate status or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVS 4443 CAH-MUSIC 4(1,1)
Violin IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC 4(1,1)
Cello IV: PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4445 CAH-MUSIC 4(1,1)
Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the string bass, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4446 CAH-MUSIC 4(1,1)
Harp IV: PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the harp, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 1411 CAH-MUSIC 2(1,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVV 1873 CAH-MUSIC 1(0,1)

MVV 2421 CAH-MUSIC 2(1,1)
Voice II: PR: MVP 2421 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVV 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit 2 times. Fall, Spring.

MVV 3431 CAH-MUSIC 2-3(1,1)
Voice III: PR: MVP 2422 and competence determined by faculty jury. Continuation of MVV 2422. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 3432 CAH-MUSIC 2-3(1,1)
Voice IV: PR: MVP 2423 and competence determined by faculty jury. Continuation of MVV 2423. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 3433 CAH-MUSIC 2-3(1,1)
Voice V: PR: MVP 2424 and competence determined by faculty jury. Continuation of MVV 2424. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4441 CAH-MUSIC 4(1,1)
Voice IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVV 4442 CAH-MUSIC 4(1,1)
Voice V: PR: Graduate standing or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVV 4443 CAH-MUSIC 4(1,1)
Voice V: PR: MVP 2421 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
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NUR 3028 CON-NURS 2(0,2) Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3028L, NUR 3065 and NUR 3065L; NUR 3825, NUR 3634 and NUR 3634L. Apply nursing process and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. Fail.

NUR 3028L CON-NURS 1(0,2) Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825, NUR 3634 and NUR 3634L. Lab to learn and apply scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fail. M&S fee $45.00.
RN licensure, or C.I. Nursing interventions for individuals and concepts incorporated throughout the curriculum, applied Spring.

Fall, concurrent enrollment in NUR 4535; NUR 4227; NUR 3125, RN Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring.

Fall, Spring.

Fall, Spring.

Fall, Spring.

Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L Nursing Practicum; NUR 4637L; NUR 4257. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Graded SU. Fail, Spring.

Issues in Rural Health Care: PR: NUR 3006 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

PR: Admission to the BSN program. CR: successful completion of the first two semesters in the nursing curriculum. NUR 4227L: NUR 4535; NUR 4535L. C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health conditions. Graded SU. Spring.

Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.

Gerontologic Nursing: PR: RN 4296 or RN 4297; or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

Obesity in Children and Adolescents: Nursing Management: PR: Junior or senior undergraduate standing in nursing, or C.I. Examines multiple factors that predispose children and adolescents to obesity; explores nursing management and public health and policy strategies for prevention and treatment. Occasional.

Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN license, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.


Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L: NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535; NUR 4227; NUR 4227L. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Graded SU. Fall, Spring.

Practicum in Community and Public Health Nursing for RNs: PR: NUR 3634, CR: NUR 4637, NUR 4537, and NUR 4637. Synthesis of theories and concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded SU. Fall, Spring.

Public Health Nursing: PR: Admission to the BSN program; successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L Nursing Practicum; NUR 4637L; NUR 4257. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L Nursing Practicum; NUR 4637L; NUR 4257. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Graded SU. Fail, Spring.

Issues in Rural Health Care: PR: NUR 3006 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, NUR 4227L; NUR 4535L. C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health conditions. Graded SU. Spring.

PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L Nursing Practicum; NUR 4637L; NUR 4257. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Graded SU. Fail, Spring.

Issues in Rural Health Care: PR: NUR 3006 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

PR: or CR: NUR 4945L or C.I. Principles of pain and management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. Occasional.

Rehabilitation and Pain Management: PR: Admission to the nursing program, or RN license, or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

Leadership and Management Principles: PR: NUR 3805, RN Status or C.I. Scientific theories and principles of leadership and management needed to function in leadership, management, and teaching roles in professional nursing. Application of decision making process. Fail, Spring.

Nursing Leadership, Management and Role Transition: PR: Admission to the BSN or the RN-BSN program, and concurrent enrollment in NUR 4945L or NUR 4640L or C.I. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on principles of leadership and management attained in the Honors Program. Fail, Spring.

Nursing Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

Accelerated Transitioning into Professional Practice as a Leader: PR: or CR: NUR 4945L or C.I. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

Health Care Issues, Policy, and Economics: PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community. Fall, Spring.

Health Care Issues, Policy, and Economics: PR: Permission of Honors; Admission to BSN program; completed 2nd and 3rd semester BSN curriculum course work; or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community with honors content. Occasional.

Nursing Care of Clients and their Families in Critical Care Settings. Spring.

Honors Directed Reading/Research: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded SU or Letter grade. Occasional.

Nursing Practicum for International Students: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program successful completion of the first three semesters; for RN to BSN students; NUR 3805 and RN status or C.I. Designed to enhance student’s knowledge and expertise in an area of nursing practice for international students. Graded SU. May be used in the degree program a maximum of 2 times. Occasional.

Health Economics: PR: Admission to the nursing program, or RN License, or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

Honors Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

Honors Thesis or Project: PR: Permission of Faculty. Honors thesis project includes an awareness of the profession, preparation for the Honors Thesis or Project. May be taken the senior year for 3 credits. May be used in the degree program a maximum of 2 times. Occasional.

Oceanography: PR: CHM 2045C and CHM 2046, and a “C” (2.0) or better in BSC 2010C. Biological, physical and chemical oceanography. Occasional.


Nanophotonics: PR: PHY 2049C or C.I. Optical/ photonics processes on nano scale and interactions with elements of physics & engineering. Occasional.


Analysis and design of optical and photonic systems. Assessment of image quality using optical design software. Simulation of integrated-optic systems using photonic design software. Spring.

Optoelectronics: PR: EEE 3307C, OSE 3052. Introduction to the principles and design of semiconductor optoelectronic devices including photodiodes, solar cells, light-emitting diodes, laser diodes, and CCDs. Applications include photovoltaics, displays, imaging. Spring.

Optoelectronics Laboratory: CR: OSE 4410L. Experiments in the basics of semiconductor optoelectronic devices including photodiodes, light-emitting diodes, laser diodes, and CCDs. Applications include solar cells, displays, imaging, and optical communications. Spring. M&S fee $18.00.

Fiber-Optic Communications: PR: EEL 3123C and OSE 3052. Introduction to the principles and design of fiber-optic communication systems including the integrated-optoelectronic devices used in transmitters and receivers. Fall.
Fiber as a communication channel, couplers, transmitters

OSE 4470L OPT-OPT 1(0,1)
Fiber-Optic Communications Laboratory: CR: OSE 4470. Laboratory experiments covering the optical fiber as a communication channel, couplers, transmitters and receivers using optoelectronic devices, multiplexing, and overall systems performance. Fall. M&S fee $15.00.

OSE 4520 OPT-OPT 3(0,3)

OSE 4520L OPT-OPT 1(0,1)

OSE 4720 OPT-OPT 3(3,0)

OSE 4721 OPT-OPT 3(3,0)
Biophotonics: PR: OSE 3052. This course introduces the concepts of photonics and the interaction of light with biological matter. Tissue optics, light-induced cellular processes, optical biosensors, and cellular and molecular imaging. Fall.

OSE 4830 OPT-OPT 3(3,0)
Imaging and Display: PR: EEL 3123C, OSE 3052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic, and hyperspectral systems. Applications to remote sensing, biology, and medicine. Spring.

OSE 4830L OPT-OPT 1(0,1)

OSE 4911 OPT-OPT 3(3,0)
Senior Design I: PR: Sr. Standing. Development of the technical, communication, and team skills for successful design of optical and photonics systems. Preparation of project proposals for Senior Design II. Fall.

OSE 4912 OPT-OPT 3(3,0)
Senior Design II: PR: Sr. Standing, OSE 4911. Execution of project developed in OSE 4911, including complete project design review, prototyping, construction, testing, cost, functionally, demonstration, presentation, and reporting. Emphasis on team effort. Spring.

OSE 4930 OPT-OPT 2(2,0)
Frontiers of Optics and Photonics: PR: OSE 3052, PHY 4424, EEL 4440. Sr. Standing. Introduction to recent advances in optics & photonics, to ethical issues, and to effective communication appropriate to the field of optics & photonics. Fall.

OSE 5041 OPT-OPT 3(3,0)
Introduction to Wave Optics: PR: EEL 4440 or PHY 4424. The electromagnetic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.

OSE 5203 OPT-OPT 3(3,0)
Geometrical Optics and Imaging Systems: PR: Graduate standing or C.I. Fundamentals of Geometrical Optics, including the study of mirrors, lenses, the image formation, Optical System Layout, Raytracing, Spring.

OSE 5312 OPT-OPT 3(3,0)
Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials; classical and quantum mechanical description of optical properties. Fall, Spring.

OSE 5313 OPT-OPT 3(3,0)
Materials for Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OSE 5414 OPT-OPT 3(2,1)
Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductor devices. Fall.

OSE 5630C OPT-OPT 3(2,1)
Thin Film Optics: PR: PHY 4424 or EEL 4440 and OSE 3052 or OSE 5650C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasional.

PAD 3003 HPA-PUB 3(3,0)
Public Administration in American Society: PR: POS 2041 or C.I. An examination of the basic environment, culture, and organization of public administration in the United States. Fall, Spring.

PAD 3040 HPA-PUB 3(3,0)
Ethics and Values in Public Administration: PR: Junior standing or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value frameworks to act ethically and responsibly. Fall.

PAD 3330 HPA-PUB 3(3,0)
Urban and Regional Planning: PR: Junior standing 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: ENF 102 or C.I. Professional technical writing for the field of public administration. Fall, Spring.

PAD 3930 HPA-HPA 1(1,0)
Nonprofit Leadership Seminar: PR: Declared Nonprofit Management minor and Junior and ENC 1102. Discussion and activity based course exploring nonprofit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be used in the degree program a maximum of 3 times. Fall, Spring.

PAD 4034 HPA-PUB 3(3,0)
The Administration of Public Policy: PR: (ECO 2013 or ECO 2023) or (Public Administration minor and Senior Standing). Understanding issues of values, interests, and objectives and their impact on the administration of public programs, mismatching the policy and protection between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0)
Administrative Theory: PR: Junior Standing or C.I. A review of the administrative processes, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4131 HPA-PUB 3(3,0)
Public Sector Project Management: Various approaches to managing projects, including using scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. Occasional.

PAD 4144 HPA-PUB 3(3,0)
Nonprofit Organizations: PR: Junior standing and have declared Nonprofit minor or Certificate or C.I. The operations of nonprofit organizations, including working with board of directors, volunteer services, fund-raising and grantwriting, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0)
Resource Development in the Nonprofit Sector: PR: Junior status and have declared Nonprofit minor or certificate or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB 3(3,0)
Volunteer Management: PR: Junior status and have declared Nonprofit minor or Certificate or C.I. Examination of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. Spring.

PAD 4153 HPA-PUB 3(3,0)
Planning and Improvement for Public Organizations: PR: Junior Standing or C.I. Preparation for the paradigms of the public sector by providing education in a variety of quality related areas. Fall.

PAD 4204 HPA-PUB 3(3,0)
Fiscal Management: PR: C.I. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. Fall, Spring.

PAD 4223 HPA-PUB 3(3,0)
Public Budgeting: Skills and Techniques: PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysis, focusing on the process of generating and using information. Occasional.

PAD 4253 HPA-PUB 3(3,0)
Community & Economic Development: PR: PAD 3003 or C.I. This course will examine local and regional economic development strategies with an emphasis on effective policy setting and planning. Fall.

PAD 4325 HPA-PUB 3(3,0)
Program Evaluation for Public and Nonprofit Organizations: PR: Junior standing and (declared nonprofit minor or declared Nonprofit Certificate or Public Administration major) or C.I. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. Spring.

PAD 4331 HPA-PUB 3(3,0)
Land Use and Planning: PR: PAD 3330 or C.I. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. Fall.

PAD 4334 HPA-PUB 3(3,0)
Urban Design: CR: PAD 3330 or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban design. Spring.

PAD 4351 HPA-PUB 3(3,0)
Issues in Environmental Program Management: CR: PAD 3330. The study of environmental policy making processes, programs, and pollution control through lectures, field study, and research projects. Spring.

PAD 4371 HPA-PUB 3(3,0)

PAD 4390 HPA-PUB 3(3,0)
Hazard Mitigation and Preparedness: PR: Junior standing (and a declared EMHS minor) or C.I. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.

PAD 4392 HPA-PUB 3(3,0)
Emergency Management and Homeland Security: PR: (Junior Standing and a declared EMHS minor) or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. Fall.

PAD 4395 HPA-PUB 3(3,0)
Disaster Response and Recovery: PR: Junior Standing and a declared EMHS minor or C.I. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and compared. Dynamics of the recovery process are emphasized. Spring.
UCF Courses and Descriptions

PCB 5837 COM-M&M 3(3,0) Cellular and Molecular Neuroscience: PR: Graduate standing. An advanced and thorough course providing understanding of the cellular components and molecular signaling pathways involved in the nervous system function. Spring.

PCB 5838 COM-M&M 3(3,0) Cellular and Molecular Basis of Brain Function: PR: Graduate Standing or C.I. Designed to provide graduate students the concepts required to understand the physiological basis of brain functions at the molecular, cellular and system levels. Fall.

PCB 5935 COS-BIOL 3(3,0) Population Genetics: PR: Admission to the M.S. Biology program in Conservation Biology or Certification in Conservation Biology, or C.I. Population genetics and the study of the various forces that result in evolutionary changes through time. Even Spring.

PCO 4203C COS-PSYCH 3(3,1) Interviewing and Counseling: PR: PSY 2012. A review of various interviewing and counseling theories and techniques used in Mental Health settings as well as practical experience in interviewing and counseling procedures. Fall, Spring.

PEL 2011 ED-CFCS 2(1,1) Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEL 2111 ED-CFCS 2(1,1) Bowling: Fundamentals of bowling techniques and the development of skills based on those fundamentals. Occasional.

PEL 2112 ED-CFCS 2(1,1) Intermediate Bowling: PR: PEL 2111, bowling experience, or average of 140 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

PEL 2121 ED-CFCS 2(1,1) Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring.

PEL 2122 ED-CFCS 2(1,1) Intermediate Golf: PR: PEL 2121 or equivalent competency. A study of performance and application of intermediate skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2341 ED-CFCS 2(1,1) Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2342 ED-CFCS 2(1,1) Intermediate Tennis: PR: PEL 2341 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2640 ED-CFCS 2(1,1) Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEM 2101 ED-CFCS 2(1,1) Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiovascular) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2104 ED-CFCS 3(2,1) Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness efforts. Fall, Spring.

PEM 2121 ED-CFCS 3(1,3) Yoga: Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered. Fall, Spring.

PEM 2127C ED-CFCS 2(1,1) Pilates: The Pilates method of body conditioning emphasizing core muscle structure as it applies to everyday movement. Occasional.

PEM 2131 ED-CFCS 2(1,1) Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring.

PEM 2134C ED-CFCS 2(1,1) Adventure Recreation: Options for adventure recreation including rock climbing, hiking and backpacking. Occasional.

PEM 2171 ED-CFCS 2(1,1) Aerobics: Appropriate rhythmical muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool-down, and heart rate. Fall, Spring.

PEM 2173 ED-CFCS 2(1,1) Step Aerobics: Rhythmical muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, cool-down, and strategies. Occasional.

PEM 2175 ED-CFCS 2(1,1) Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEM 2176C ED-CFCS 2(1,1) Cardio Kickboxing: Proper technique and fundamentals of cardio kickboxing. Occasional.

PEM 2179C ED-CFCS 2(1,1) Boot Camp Fitness: Study and application of aerobic and anaerobic principles. Improve aerobic fitness and strength, posture, breath control, body alignment and flexibility. Occasional.

PEM 2405 ED-CFCS 3(1,2) Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

PEM 5408C ED-CFCS 3(2,1) Controlling Classroom Violence: PR: Graduate standing; certified physical therapist. Improve aerobic fitness and controlling disruption and violence as well as how teachers can protect themselves. Occasional.

PEO 2011 ED-CFCS 3(2,1) Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring.

PEO 2031 ED-CFCS 3(2,1) Individual Sports: Skills proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring.

PEO 2623C ED-CFCS 2(1,1) Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

PEO 3041 ED-CFCS 3(3,0) Games Analysis: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Fall, Spring.

PEO 3219 ED-CFCS 3(2,0) 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 alignment and strategies. Occasional.

PEO 3324 ED-CFCS 3(2,1) Coaching Volleyball: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment and strategies. Spring.

PEO 3514C ED-CFCS 3(2,1) Coaching Soccer: PR: Admission to the Sport and Exercise Science program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3624 ED-CFCS 3(3,0) Coaching Basketball: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Occasional.

PEO 3644 ED-CFCS 3(2,1) Coaching Football: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching football, including the analysis of offensive and defensive techniques and strategies. Occasional.


PET 2081 ED-CFCS 1(1,0) Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 3005 ED-CFCS 3(3,0) Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending or department consent. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.

PET 3097 ED-CFCS 3(3,0) Health and Wellness: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending. Explore wellness through science and the statistics of risk factors for mortality and morbidity. Students will interpret indicators, evaluate choices using assessment-intervention-reinforcement protocols. Fall, Spring.

PET 3125 ED-CFCS 3(3,0) Fitness and Weight Management: PR: Admission to Sport and Exercise Science program or C.I. Examination of experiences in grades K-12. Fitness and Weight Management research, theories, and practice. Fall, Spring.


PET 3361 ED-CFCS 3(3,0) Nutrition and Metabolism in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.

PET 3510C HPA-HP 3(2,1) Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Science - Athletic Training Track. Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall, Spring.
PET 3768 ED-CFCS 3(3,0)
Group Exercise Instruction: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into group exercise instruction and fitness related concepts. Fall.

PET 3771 ED-CFCS 3(3,0)
Strength and Conditioning Concepts: PR: Admission to Sport and Exercise Science program or Fitness Training Minor; ZOO 3730C or equivalent and minimum overall 2.5 GPA. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. Fall, Spring.

PET 3820 ED-CFCS 3(3,0)
Teaching Sports Skills I: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Fall, Spring.

PET 4050C ED-CFCS 3(2,1)
Motor Development and Learning: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science program or Early Childhood Development and Education program and minimum overall 2.5 GPA. 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 Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into personal training and fitness related concepts. Fall, Spring.

PET 4088 ED-CFCS 3(3,0)
Physical Activity & Preventive Medicine: PR: Admission to Sport and Exercise Science program; ZOO 3730C or equivalent and minimum overall 2.5 GPA. Critique and analysis of evidence that exercise training can prevent some diseases and increase quality of life. Fall, Spring.

PET 4143 ED-CFCS 3(3,0)
Current Issues & Trends in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the current issues and trends encountered by professionals in sport and exercise science. Fall, Spring.

PET 4215 ED-CFCS 3(3,0)
Motivational Aspects of Athletic Performance: PR: Admission to Sport and Exercise Science program or Fitness Training Minor or Coaching Minor and minimum overall 2.5 GPA. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athletic performance. Fall, Spring.

PET 4312C ED-CFCS 3(2,1)
Kinesiology/Biomechanics: PR: Admission to Sport and Exercise Science program or Fitness Training Minor; BSC 2010C or equivalent; ZOO 3730C and minimum overall 2.5 GPA. 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. A laboratory course in the recognition of physiological and mechanical aspects of sports and injuries. 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: Admission to Sport and Exercise Science program; ZOO 4110C and minimum overall 2.5 GPA. 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: Admission to Sport and Exercise Science program or Fitness Training Minor; APK 4110C and minimum overall 2.5 GPA. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercise for populations dealing with osteoporosis, osteogenesis, diabetes, obesity, heart disease, and pregnancy. Fall, Spring.

PET 4606 HPA-HP 3(3,0)
Applied Fitness in Sport: PR: ZOO 3733C or ZOO 3736C and PCB 3703C; Junior standing; Open to all COHPA majors. Appreciation and clinical application of fitness regarding athletics. Spring.

PET 4640 ED-CFCS 3(3,0)
Adapted Physical Education: PR: Admission to Sport and Exercise Science program or methods and adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

PET 4710 ED-CFCS 3(3,0)
Methods for Physical Activity for Children and Adolescents: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Develop effective instructional skills through planning, teaching, and assessment. Curriculum and instructional considerations for physical activity in children and adolescents. Fall, Spring.

PET 4763 ED-CFCS 3(3,0)
Coaching Methods And Principles: PR: Admission to Sport and Exercise Science program and Sport and Exercise Science Pending or Coaching Minor. Assist students in understanding and conceptually integrating teaching methods/coaching strategies with emphasis given to conditioning and leadership styles. Fall, Spring.

PET 4901 ED-CFCS 3(3,0)
Capstone in Sport and Exercise Science: PR: Senior standing in Sport and Exercise Science program and minimum overall 2.5 GPA. Enhances students' oral and written presentation ability in issues and topics related to sport and exercise science. Fall, Spring.

PET 4925 ED-CFCS 6(0,16)
Sport and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 1/3 of the Sport and Fitness program requirements. Field experience in a sport and fitness related organization. Graded SU. Fall, Spring.

PET 4926 ED-CFCS 9(9,0)
Sport and Exercise Science Practicum: PR: Senior standing in Sport and Exercise Science program and minimum overall 2.5 GPA. Field experience in a sport and exercise science association, association, or business. Graded SU. Fall, Spring.

PET 4943 ED-CFCS 12(3,5)
Internship II: PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded SU. 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 5355 ED-CFCS 3(3,0)
Exercise and Health: PR: Admission to marquis 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 on ethical issues and sport leadership in self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. Occasional.

PET 5765 ED-CFCS 3(3,0)

PET 5931 ED-CFCS 3(3,0)
Current Issues and Trends in Physical Education and Sport: PR: Admission to the Physical Education graduate program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. Occasional.

PGY 2401C CAH-SVAD 3(3,2)
Beginning Photography: PR: ART 2203C, ART 2303C or C.I. Introduction to photography with an art emphasis. Fall, Spring. M&S fee $45.00

PGY 3002 CAH-SVAD 3(3,0)
Contemporary Photography: PR: PGY 2401C or C.I. Late 20th and 21st century (1970’s-present) contemporary movements in photography, special emphasis on issues and ideas relevant to contemporary image making. Occasional.

PGY 3205C CAH-SVAD 3(2,4)
Photographic Lighting Techniques: PR: PGY 2007, PGY 2215 or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee $45.00

PGY 3276 CAH-SVAD 3(3,0)
The Professional Environment: PR: PGY 3002 or C.I. Concepts necessary for operation of a photography studio. Includes legal, ethical issues; marketing; self-promotion strategies; funding opportunities; professional development; and professional presentation. Occasional.

PGY 3410C CAH-SVAD 3(3,2)

PGY 3451C CAH-SVAD 3(2,4)
Alternative Processes: PR: PGY 3472 or C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. Occasional. M&S fee $45.00

PGY 3472C CAH-SVAD 3(2,1)
Photo Visualization: PR: PGY 2650, PGY 2215 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 3480 CAH-SVAD 3(3,0)
Museum and Gallery Practices: PR: PGY 3002 Contemporary Photography. The museum and gallery environment focusing on the acquisition and display of photographic materials and curatorial functions. The course includes a service learning component. Occasional.

PGY 3610C COS-COMM 3(1,4)
Photojournalism I: PR: Journalism majors only. Digital photojournalism and visual storytelling, with emphasis on camera basics, composition skills, digital photo-editing skills, and caption writing skills. See instructor for minimal camera requirements. Occasional. M&S fee $45.00

PGY 3620C COS-COMM 3(1,2)

PGY 3630 COS-COMM 3(3,0)

PGY 3651C CAH-SVAD 3(2,4)
Effective Editorial Photography: PR: PGY 2255 Editorial Photography or C.I. Explores photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. Fall. M&S fee $45.00
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)
Marc and Nietzsche: PR: Junior standing. The philosophies of Marc and Nietzsche, important developments in philosophy in the 19th and 20th centuries, with an emphasis on the 20th century and its implications for the contemporary world. Even Fall.

PHI 3600 CAH-PHIL 3(3,0)
Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, phenomenology, structuralism, 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 AMH 2030 or C.I. A thematic and chronological survey of philosophy in America, including the development of American thought, with particular emphasis on the American spirit of individualism and reform. Even 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. Even Fall.

PHI 3800 CAH-PHIL 3(3,0)
Introduction to Philosophy: PR: PHI 2010. Introduction to the meaning and justification of fundamental ideas and beliefs concerning reality, knowledge, and values; application to relevant topics in ethics, religion, and politics. Fall, Spring.

PHI 3900 CAH-PHIL 3(3,0)
Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. Fall.

PHI 4000 CAH-PHIL 3(3,0)

PHI 4100 CAH-PHIL 3(3,0)
Formal Logic: PR: PHI 2010 or C.I. Logical structures in logic and predicate logic, with an introduction to modal, epistemic, deontic, multi-valued, and indeterminacy logics. Occasional.

PHI 4200 CAH-PHIL 3(3,0)

PHI 4300 CAH-PHIL 3(3,0)
Ethics: PR: PHI 2010 or C.I. An examination of the nature of moral problems, judgments and principles, with an emphasis on recent formulations in ethical theory. Occasional.

PHI 4400 CAH-PHIL 3(3,0)
Logic and Ethics: PR: PHI 2010 or C.I. Logic and ethics, with an emphasis on the interplay between logic and ethics, especially in science and technology. Even Fall.

PHI 4500 CAH-PHIL 3(3,0)

PHI 4600 CAH-PHIL 3(3,0)

PHI 4700 CAH-PHIL 3(3,0)
Philosophy of Science: PR: REL 2990 or C.I. A study of the relationship between science and philosophy, including the role of science in philosophy and the philosophical implications of scientific beliefs. Odd Spring.

PHI 4800 CAH-PHIL 3(3,0)
History of Philosophy: PR: REL 2990 or C.I. A study of the relationship between the history of philosophy and contemporary philosophical issues, including the role of history in philosophy and the philosophical implications of historical beliefs. Odd Fall.

PHI 4900 CAH-PHIL 3(3,0)

African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. Occasional.


Philosophy and Creativity: PR: Junior standing or PHI 2010 or C.I. A companion course to PHI 3800. Examines the empirical and metaphysical claims made for creativity; attempts to account for intuition, genius, and intelligence. Occasional.


Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Spring.

Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, limitations of neuroscience for understanding of the mind. Variable topics. Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.

Senior Research Seminar: PR: Senior standing and C.I. Capstone course in research, developing effective oral and written communication skills. Spring.

Philosophy of Language: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. Occasional.

Philosophy of Mind: PR: Admission into graduate certificate program in Cognitive Sciences or C.I. Theoretical and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

Philosophy of Embodiment: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Relationships among mind, body, and nature. Knowledge of self, world and others as articulated by Western philosophy, with special emphasis on embodied cognition. Occasional.

Philosophy of Neurosophie: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurosophical, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.


Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on applications to professional fields. Variable content. Fall.

Medical Ethics: PR: Senior standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.

Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4633, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and responsibility in relation to social concerns. Variable content. Occasional.

Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. Occasional.

Aesthetics: PR: Senior standing or PHI 2010, or C.I. A critical investigation of the meanings and significance of various kinds of love from a variety of philosophical perspectives. Spring.

Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHI 3123, or C.I. Examines the contributions of poststructuralist and neopsychoanalytical theories to cultural issues in sexuality and gender. Even Spring.

Freedom and Justice: PR: Junior standing or PHI 2010 or C.I. Philosophical analysis and evaluation of selected themes arising from the interaction of the individual, society, and the state: includes topics such as freedom, equality, and justice. Occasional.


Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.

Environmental Ethics: PR: PHI 3640, PHI 3638, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecoselfism, and social ecology. Occasional.

Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

Environmental and Applied Ethics: PR: Senior standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.
PHYS 3802L COS-PHYS 3(1,5)
Intermediate Physics Laboratory: PR: PHY 3101 or C.I. Laboratory work in basic measurements of physical constants, experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.

PHY 3920 COS-PHYS 1(1,0)
Frontiers in Physics Research: Colloquia and Public Talks: PR: PHY 3101 or C.I. Presentations of current research and major advances in physics. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

PHY 4254 COS-PHYS 3(3,0)
Physics of Fluids and Biofluids: PR: PHY 3513, PHY 3323, and MAP 2302, or C.I. Ideal fluids; basic equation of fluid flow; viscous flow, instability and turbulence; thermal and mass transfers in fluids; biofluid mechanics of blood circulation. Even Spring.

PHY 4324 COS-PHYS 3(3,0)

PHY 4424 COS-PHYS 3(3,0)

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 5015C COS-PHYS 3(2,2)
PhyTeach 1: PR: Graduate status or senior standing or C.I. "Hands-on" lecture-laboratory course. Dynamics, elasticity, magnetism, optics, nuclear radiation. 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 principals and related scientific and technological applications of ion-solid interactions. Even Spring.

PHY 5255 COS-PHYS 3(3,0)
Physics of Fluids and Biofluids: PR: PHY 3513, PHY 3323, and MAP 2302 or C.I. Ideal Fluids; Basic equation of fluid flow; Viscous flow, instability and turbulence; Thermal and mass transfers in fluids, biofluid mechanics of blood circulation. Even Spring.

PHY 5346 COS-PHYS 3(3,0)
Electrodynamics I: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electromagnetics and magnetostatics. Maxwell's equations: EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.

PHY 5455 COS-PHYS 3(3,0)
Modern X-Ray Science: PR: Graduate status or senior standing or C.I. Introduction as an introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.

PHY 5524 COS-PHYS 3(3,0)

PHY 5560 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 Schrödinger equation, matrix formulation, and time independent perturbation theory. Fall.

PHY 5650 COS-PHYS 3(3,0)

PHY 5704 COS-PHYS 3(3,0)
Physics of Nano-electronics 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)
Quantum Mechanics II: 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 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.

PHZ 3113C 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 nuclei and the fundamental particles and how the universe is built from particles. Occasional.

PHZ 4404 COS-PHYS 3(3,0)
Solid State Physics: PR: PHY 3101 or C.I. Atomic binding, crystalline structure, diffraction and reciprocal lattice, lattice vibration, phonons, electrons in solids, energy bands, and semiconductors. Odd Fall.

PHZ 4434 COS-PHYS 3(3,0)
Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.

PHZ 5045 COS-PHYS 3(3,0)
Attosecond Laser Physics: PR: PHY 5006, PHY 5346 or PHY 4254, 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: PHY 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: Graduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

PHZ 5432C COS-PHYS 3(3,0)

PHZ 5437 COS-PHYS 3(3,0)
Nanoscale Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PHZ 5445 COS-PHYS 3(3,0)
Nanofabrication using Focused Ion Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interaction; fundamental principle of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques. Odd Spring.

PHZ 5505 COS-PHYS 3(3,0)
Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PLA 3014 HPA-LS 3(3,0)
Law and the Legal System: PR: ENC 1102 and Sophomore Standing. A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.

PLA 3108 HPA-LS 3(3,0)
Legal Research: PR: PLA 3014, or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall, Spring.
PLA 3155 HPA-LS 3(3,0) Legal Writing: PR: PLA 3108. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3108. Fall, Spring.

PLA 3205 HPA-LS 3(3,0) Civil Practice and Procedure: PR: or CR: PLA 3014 or C.I. The student becomes familiar with the Florida civil procedure before and after O.R.C.F. and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3277 HPA-LS 3(3,0) The Law of Torts: PR: or CR: PLA 3014 or C.I. Theories governing liability for civil injuries not arising from contractual obligations, systems and procedures used in preparation, trial and appeal of torts cases. Fall, Spring.

PLA 3306 HPA-LS 3(3,0) Criminal Law: PR: ENC 1102 and Sophomore standing. Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.

PLA 3309 HPA-LS 3(3,0) Criminal Procedure: PR: ENC 1102 and Sophomore Standing. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3615 HPA-LS 3(3,0) Property and Real Estate Law: PR: or CR: PLA 3014 or C.I. Study of the law of real and personal property, real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 3951H HPA-LS 3(3,0) Honors Field Court: PR: Junior Standing and CI. Interdisciplinary course on selective principles of Constitutional Law, focusing on persuasive writing, oral advocacy, public speaking, and analytical skills through UCF's appellate advocacy/moot court tournament. Fall.

PLA 4020 HPA-LS 3(3,0) Law and Society: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.

PLA 4022 HPA-LS 3(3,0) Contemporary Issues in Law: PR: ENC 1102 and Junior Standing. Examine and analyze contemporary legal issues and interplay between state and federal law applications. Topics track current social legal issues. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

PLA 4226 HPA-LS 3(3,0) Advanced Trial Advocacy: PR: (PLA 4010 and Junior Standing) CI. Legislation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. Occasional.

PLA 4240 HPA-LS 3(3,0) Negotiation Alternatives in Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Theories and skills involved in negotiation, mediation and other dispute resolutions processes. Occasional.

PLA 4263 HPA-LS 3(3,0) Evidence: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of statutes and cases that define the rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

PLA 4424 HPA-LS 3(3,0) The Law of Contracts: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4436 HPA-LS 3(3,0) Florida Partnerships and Corporations: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Study of the requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.

PLA 4464 HPA-LS 3(3,0) Bankruptcy Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

PLA 4472 HPA-LS 3(3,0) Employment Discrimination Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Course will address employment discrimination based on race, gender, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4485 HPA-LS 3(3,0) Administrative Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. The law regarding governmental agencies with emphasis on the administrative process. Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4521 HPA-LS 3(3,0) World Hunger Morality & the Law: PR: Junior Standing and CI. Examine world hunger as a complex issue of sustainable human development, root causes and consequences of domestic and global hunger, and effect on legal systems. Spring.

PLA 4530 HPA-LS 3(3,0) Legal Issues of the Elderly: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554 HPA-LS 3(3,0) Environmental Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Environmental law and policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Odd Fall, Odd Spring.

PLA 4583 HPA-LS 3(3,0) Cyber Law I: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Analysis of copyright, trademark, and patent issues in the online environment. Odd Fall, Odd Spring.

PLA 4607 HPA-LS 3(3,0) Estates and Trusts: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. A study of wills and trusts and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4609 HPA-LS 3(3,0) Estate Administration: PR: (PLA 4607 and Junior Standing) CI. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703 HPA-LS 3(3,0) Professional Ethics and Liability: PR: or CR: PLA 3014, and PR: Sophomore Standing, or C.I. Ethical responsibilities of professionals, canons of legal ethics, liability for professional malpractice. Fall, Spring.

PLA 4724 HPA-LS 3(3,0) Advanced Legal Applications Computer Software: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today's law firms and law-related fields. Occasional.

PLA 4764 HPA-LS 3(3,0) Law Office Practices: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. Occasional.

PLA 4806 HPA-LS 3(3,0) Domestic Relations Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. In-an-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-LS 3(3,0) Juvenile Law and Procedure: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. This course examines the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823 HPA-LS 3(3,0) Sports Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.


PLA 4925 HPA-LS 3(3,0) Entertainment Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4930 HPA-LS 3(3,0) Women's Legal System: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.

PLA 4964 HPA-LS 3(3,0) Admiralty and Maritime Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Theories and principles involved in Admiralty Law and procedure including contracts for carriage of goods, seaman's contracts and claims, collision and salvage law, and wrongful death. Occasional.

PLA 4910 HPA-LS 3(3,0) Trial Advocacy: PR: PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.

PLA 4935 HPA-LS 3(3,0) Capstone: Legal Issues: PR: senior status, PLA 3355, Legal Studies major. The legal and socio-legal aspects of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-LS 3(3,0) Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

PLA 5937 HPA-LS 3(1,2) Seminar in Contemporary Legal Problems: PR: C.I. Analysis of current trends in legislation and court decisions and their significance to American society. Occasional.

POR 1120C CAH-LANG 4(3,1) Elementary Portuguese Language and Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall.

POR 1121C CAH-LANG 4(3,1) Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. Spring.

POR 2210C 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.
Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

Accelerated Portuguese for Speakers of Romance Languages: PR: FRE 2201, or ITA 2201, or SPN 2201, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.

American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.

American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.


Honors Florida Politics: PR: POS 2041 or C.I. and permission of Honors. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. With Honors content. Occasional.

Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

Politics in Film: PR: ENC 1102 or POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.

Voting and Elections: PR: POS 2041 or C.I. Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

The American Presidency: PR: ENC 1102 or POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office's evolution in status, powers, administrative responsibilities, leadership, and decision making. Occasional.

Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change, emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.

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.

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.


Scope and Methods of Political Science: PR: POS 2041 or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology issues. Even Spring.


The Politics of Sports: PR: POS 2041 or C.I. Emergent concerns in sports policy, institutional interventions in sports regulations, the politics of sports arenas and teams, and civic and political engagement through sports. Occasional.

Latin American Politics: PR: POS 2041 or C.I. Political characteristics of the Latin American continent in the United States and its impact on U.S. national and international politics and policies. Occasional.

Metropolitan Politics: PR: POS 2041 or C.I. Analysis of political patterns, processes, and issues in American communities. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. Occasional.

Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSB 4103C</td>
<td>COS-PSYCH</td>
<td>3(2.2)</td>
<td>PSY 2012, PSB 3002C, and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors consent. Occasional.</td>
</tr>
<tr>
<td>PSB 4240C</td>
<td>COS-PSYCH</td>
<td>3(2)</td>
<td>PSY 3002, Study of brain function, with particular emphasis on human behavior. Lecture/Lab. Occasional.</td>
</tr>
<tr>
<td>PSB 5005</td>
<td>COS-PHY</td>
<td>3(3.0)</td>
<td>PSY 3001 and graduate status or senior standing or C.I. An advanced survey of the physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Occasional.</td>
</tr>
<tr>
<td>PSC 1121L</td>
<td>PHYS-PHY</td>
<td>3(3.0)</td>
<td>PSY 3000, high school algebra, or MAC 1105C. Fundamental laws of mechanics, heat, waves, electricity, magnetism, chemical processes and equations, properties of gases, liquids, solids, solutions. Fall, Spring, M&amp;S fee $2.20.</td>
</tr>
<tr>
<td>PSC 1801</td>
<td>COS-PHY</td>
<td>3(3.0)</td>
<td>PSY 2012, high school algebra. Physics using film as a vehicle of education. Not open to students with credit in PSC 1121L. Occasional.</td>
</tr>
<tr>
<td>PSC 2023</td>
<td>COS-PSYCH</td>
<td>3(3.0)</td>
<td>PSY 2012, what it means to be a psychology major, career opportunities upon graduation, and different graduate school paths. Graded S/U. Fall, Spring.</td>
</tr>
<tr>
<td>PSC 302C</td>
<td>COS-PSYCH</td>
<td>3(3.0)</td>
<td>ACAD 2012, psychology majors only. Research findings, theory, models and techniques of academic counseling and career advising. Graded S/U. Fall, Spring.</td>
</tr>
<tr>
<td>PSC 3028</td>
<td>COS-PSYCH</td>
<td>3(3.0)</td>
<td>PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision-making. Examination of career development in psychology, including educational entry requirements and related issues. Occasional.</td>
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<tr>
<td>PSC 3210C</td>
<td>COS-PSYCH</td>
<td>5(3.2)</td>
<td>PSY 2012 or C.I. Critical analysis of the psychological and social influences on personality development, with applications to counseling, psychotherapy and psychological assessment. Occasional.</td>
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<td>PSC 3213C</td>
<td>COS-PSYCH</td>
<td>5(3.2)</td>
<td>PSY 2012 or C.I. Critical development of research and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&amp;S fee $20.00.</td>
</tr>
<tr>
<td>PSY 3302</td>
<td>COS-PSYCH</td>
<td>3(3.0)</td>
<td>PSY 2012 or C.I. An advanced study of the study underlying psychological tests and measurements including reliability, validity, and item analysis. Occasional.</td>
</tr>
<tr>
<td>PSY 3320C</td>
<td>COS-PSYCH</td>
<td>3(3.2)</td>
<td>Survey Methods in Psychology: PSY 2012 or C.I. Critical evaluation of scientific methods used to evaluate bizarre claims such as ESP, astrology, voodoo, mind control, and alien abduction. Occasional.</td>
</tr>
<tr>
<td>PSY 3825</td>
<td>COS-PSCP</td>
<td>3(3.0)</td>
<td>PSY 2012. Critical analysis of the psychological and social influences on personality development, with applications to counseling, psychotherapy and psychological assessment. Occasional.</td>
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<td>PSY 3826</td>
<td>COS-PSCP</td>
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Additionally, there are courses on various topics such as regression as applied to research in psychology, research and clinical application of biofeedback, training in use of biofeedback equipment, lecture/laboratory. Occasional. There are also courses on scientific methodology, its use in evaluating bizarre claims, and critical thinking in psychology, such as ESP, astrology, voodoo, mind control, and alien abduction. Occasional.
PUP 3014 COS-POLS 3(3,0)
Comparative Public Policy: PR: POS 2041 or CPO 3103 or C. Areas of public policy such as immigration, education, health, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203 COS-POLS 3(3,0)
Environmental Politics: PR: ENC 1102 or POS 2041 or C. An examination of politics and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.

PUP 3204 COS-POLS 3(3,0)
Sustainability: PR: ENC 1102 or Junior standing. Environmental politics through the lens of “sustainability.” Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 3314 COS-POLS 3(3,0)
Minorities in American Politics: PR: ENC 1102 or POS 2041 or C. Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

PUP 3325 COS-POLS 3(3,0)
Women and Political Behavior: PR: POS 2041 or ENC 1102, or C. Women’s role in the political process, emphasizing women in the governmental and policy process. Occasional.

PUP 4003 COS-POLS 3(3,0)
American Public Policy: PR: POS 2041 or C. Policy analysis, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. Occasional.

PUP 4209 COS-POLS 3(3,0)
Urban Environmental Policy: PR: ENC 1102 or POS 2041 or C. Public policy, ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. Occasional.

PUP 4323 COS-POLS 3(3,0)
Women and Public Policy: PR: POS 2041 or ENC 1102, or C. 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. 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: ENC 1102 or POS 2041 or C. Examination of interface between science and government. Focus is upon governmental support for science, the influence of science, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3,0)
Space Policy: PR: ENC 1102. An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602 COS-POLS 3(3,0)
Politics of Health: PR: ENC 1102. Analysis of public health policies. Primary focus upon political processes, policymakers, and interest group interventions, including consumer and policy outcomes. Comparative health policies. Occasional.

PUP 4744 COS-POLS 3(3,0)
Government and Business: PR: ENC 1102. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931 COS-POLS 3(3,0)
Topics in Public Policy: PR: ENC 1102 or POS 2041, or C. 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 3004 COS-COMM 3(3,0)
Public Relations and Society: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C. The important role public relations has played in the development of contemporary society. Occasional.

PUP 3100 COS-COMM 3(2,1)
Writing for Public Relations: PR: Ad-PR Majors only. Development of skills in writing for public relations. Fall, Spring.

PUP 3210 COS-COMM 3(3,0)

PUP 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

PUP 4000 COS-COMM 3(3,0)
Public Relations: PR: SPC 1608, or SPC 1603C, or COM 1000. Principles and practice of Public Relations including techniques, research tools publicity, and management. Fall, Spring.

PUP 4004H COS-COMM 3(3,0)
Honors Public Relations: PR: Consent of Honors Coordinator and one of the following: SPC 1608, SPC 1603C, COM 1000, or C. Advanced review of principles and practice of public relations including techniques, research tools, publicity and management.

PUP 4110C COS-COMM 3(1,3)

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.

PUP 4400 COS-COMM 3(3,0)
Crisis Communication: PR: One of the following; SPC 1608, SPC 1603C, COM 1000, or C. The theory, process, and best practices of crisis communication. Occasional.

PUP 4801 COS-COMM 3(3,0)
Public Relations Case Studies: PR: Ad-PR majors only and PUR 4000 or C. Discussion and analysis of public relations cases highlighting the application of PR theory to advance organizational goals. Fall, Spring.

QM 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, simulations) and decision support systems for business organizations. Occasional.

RE 1105 ED-TL&L 3(3,0)
College Reading 1: College reading improvement focusing on content areas and advanced study skills, comprehension, vocabulary growth, reading rate, note taking, and test preparation. Fall, Spring.

RED 3012 ED-TL&L 3(3,0)
Basic Foundations of Reading: PR: Junior standing or C. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.

RED 3310 ED-CFCS 3(3,0)

RED 4111 ED-CFCS 3(3,0)
Primary Reading, Writing, and Language Arts Curriculum and Assessment: PR: RED 3012 and RED 4000. PR: ENC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. Fall.

RED 4519 ED-TL&L 3(1,3)

RED 4942 ED-TL&L 3(3,0)
Practicum for Assessment and Instruction of Reading: PR: RED 4519. Conquiste, Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RED 5147 ED-TL&L 3(3,0)

RED 5517 ED-TL&L 3(1,3)
Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading; instructional materials. Case study required. Even Fall, Spring.

RED 5948 ED-TL&L 3(3,0)
Practicum in Reading Assessment and Instruction: PR: RED 5517. Practicum that requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. Fall, Spring.

REE 3043 BA-FIN 3(3,0)
Fundamentals of Real Estate: PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. Fall, Spring.

REE 3433 BA-FIN 3(3,0)
Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.

REE 3614 BA-FIN 3(3,0)
Environmental Issues for Real Estate: PR: REE 3043, REE 3433; open to majors or minors which require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. Occasional.

REE 4103 BA-FIN 3(3,0)

REE 4203 BA-FIN 3(3,0)
Commercial Real Estate Finance: PR: FIN 3043C; open to majors or minors which require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204 BA-FIN 3(3,0)
Residential Real Estate Finance: PR: FIN 3043C; open to majors or minors which require this course. The practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.
REL 3000 CAH-PHIL 3(3,0)
Introduction to Religious Studies: Introduction to the academic study of religion; exploration of the phenomenon of religion and critical thinking about the question: What is religion?. Fall.

REL 2300 CAH-PHIL 3(3,0)
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.

REL 2300H CAH-PHIL 3(3,0)

REL 3101 CAH-PHIL 3(3,0)
Religion in Popular Culture: PR: REL 2000, REL 2300 or C.I. study of popular religion in popular culture and popular culture as non-traditional religion by means of various postmodern, theoretical perspectives. Corequisites cover the entire planning process for a real estate development or redevelopment project. Occasional.

REL 3111 CAH-PHIL 3(3,0)
Religion and Philosophy Through Film: PR: EN 1102 and either PHI 2010 or REL 2300 or FIL 1000. Religious and philosophical themes encountered in contemporary film. It studies religion, philosophy and film by means of a critique of cultural productions of meaning, value, and purpose. Occasional.

REL 3112 CAH-PHIL 3(3,0)
Religion and 20th Century Fantasy Texts: PR: HUM 2230 or REL 2300 or C.I. Explorations of religion and secularism in the texts of Harry Potter, Lord of the Rings, Chronicles of Narnia, and His Dark Materials. Occasional.

REL 3115 CAH-PHIL 3(3,0)

REL 3123 CAH-PHIL 3(3,0)

REL 3130 CAH-PHIL 3(3,0)

REL 3320 CAH-PHIL 3(3,0)
Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

REL 3333 CAH-PHIL 3(3,0)
Hinduism: PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from Vedic times to the Upanishads, Epic Literature to the modern age. Even Spring.

REL 3340 CAH-PHIL 3(3,0)
Buddhist Thought: PR: HUM 2320 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. Odd Fall, Spring.

REL 3363 CAH-PHIL 3(3,0)
Islam: PR: REL 2300 or C.I. Development of Islamic religious thought and culture, emphasizing the teachings of the Qur’an, Hadith, Islamic law, and philosophy with special focus on perceptions of Islam in the West. Fall.

REL 3403 CAH-PHIL 3(3,0)
Christianity: PR: REL 2300. A study of Christianity and the history of its associated beliefs, rituals, and art with special attention to issues concerning human nature, social justice, the state, just war, science, and attitudes toward women. Occasional.

REL 3452 CAH-PHIL 3(3,0)
Roots of Western Mysticism: PR: HUM 3435, REL 3435, REL 3430, REL 3530, PHH 3100, or PHH 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

REL 4010 CAH-PHIL 3(3,0)
Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2320, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.

REL 4157 CAH-PHIL 3(3,0)

REL 4178 CAH-PHIL 3(3,0)
Religion and Law: PR: POS 2041. Ideas and events which mark the relationship of religious ideation and practice, law and political and cultural values which inform them. Fall.

REL 4180 CAH-PHIL 3(3,0)
Religion and Medicine: PR: Junior standing and REL 2300 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. Occasional.

REL 4180H CAH-PHIL 3(3,0)

REL 4496 CAH-PHIL 3(3,0)
Key Concepts in Religion and Cultural Studies: PR: REL 2000 or C.I. Study of the development, meaning, and implications of a central concept in Religious Studies. May be repeated for credit only when course content is different. Occasional.

RET 3026C HPA-HP 4(3,3)
Introduction to Respiratory Care: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. Fall.
RTE 4209 HPA-HP 3(3,0) Research Methods in Cardiopulmonary Physiology: Introduction to methods used in scientific and medical research in cardiopulmonary physiology. Literature review, experimentation, and data analysis. Occasional.

RMI 3011 BA-FIN 3(3,0) Principles of Risk and Insurance: PR: FIN 3403C. Emphasis on risk as a business and personal device, with an emphasis on risk assumption, risk avoidance, and loss prevention. Spring.

RTE 3000 HPA-HP 3(3,0) Introduction to Radiologic Sciences: PR: Admission to Radiologic Sciences program. Orientation to career field, radiation protection, principles and procedures of medical imaging and radiation therapy. Fall.

RTE 3111C HPA-HP 2(1.5,1.5) Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiography. Fall.

RTE 3116 HPA-HP 3(3,0) Advanced Patient Care: PR: RTE 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics and interventional procedures. Spring.

RTE 3418C HPA-HP 3(2,5,1.5) Principles of Radiographic Exposure I: PR: RTE 3207C or C.I. 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 and equipment manipulation, and quality evaluation of radiographic studies of the shoulder, bony thorax, lower extremity, vertebral column, cranium, and facial bones. Spring.

RTE 3614 HPA-HP 2(2,0) Physics of Image Production: PR: College Physics II. Physical and diagnostic radiology, including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. Fall.

RTE 3804L HPA-HP 2(0,8) Clinical Education I: PR: Admission to Radiologic Sciences Major. Supervised clinical practice in radiologic procedures, radiation protection, patient care and equipment with emphasis on chest and abdomen procedures and patient care activities. Fall.

RTE 3814L HPA-HP 4(0,16) Clinical Education II: PR: RTE 3804L. Supervised clinical practice in radiographic fluoroscopic procedures with emphasis on examinations of the GI tract, urinary tract, extremities and shoulder girdle. Spring.

RTE 4206 HPA-HP 3(3,0) Leadership in Radiological Sciences: PR: Senior level status in RS major or C.I. Study of the theories, principles and skills needed to function in a leadership position in Radiological Sciences. Spring.

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 4385 HPA-HP 1(1,0) Radiobiology: PR: +RTE 3308. A study of the effects of ionizing radiation on biologic systems. The response at the cellular and tissue level is investigated. Fall.

RTE 4473 HPA-HP 3(3,0) Quality Improvement: PR: Registered technologist or Senior standing. The study of quality improvement and quality control from the perspective of radiology services. Spring.

RTE 4563 HPA-HP 2(2,0) Special Radiographic Procedures: PR: RTE 3503C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. Occasional.

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 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 Image: PR: ZOO 3733C and PR: RTE 3700L. A study of the normal anatomy and interrelationships of structures as demonstrated in a radiographic and cross-sectional imaging reference. Fall, Spring.


RTE 4824L HPA-HP 5(2,0) Clinical Education III: PR: RTE 3814L. Supervised clinical practice in radiographic/radiourographic 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/radiourographic procedures, mobile radiography and rotations through specialized imaging. Fall.

RTE 4841L HPA-HP 1(0,16) Clinical Education V-A: PR: RTE 4834L. Supervised clinical practice in radiographic/radiourographic procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. Spring.

RTE 4846L HPA-HP 1(0,16) Clinical Education V-B: PR: RTE 4834L. Supervised clinical practice in radiographic/radiourographic procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. Spring.

RTE 4854L HPA-HP 4(0,16) Advanced Clinical Practice: PR: RTE 4846L or admission to the 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 +RTE 4323 or C.I. Directed activity in classroom instruction in radiologic technology. Occasional.

RTV 2102 COS-COMM 3(3,0) Writing for the Electronic Media: PR: ENC 1102, RTV Major. Practical experience in writing for various electronic media, including radio, television, corporate and digital media. Scriptwriting requirements, writing styles and creative applications. Odd Fall, Spring.

RTV 3007 COS-COMM 3(3,0) Development and Structure of Electronic Media and New Technology: PR: SCI 1608 or SCI 1609 or SCI 1610 or SCI 1005. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. Fall, Spring.

RTV 3200 COS-COMM 3(3,0) Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTV 3007 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. Fall, Spring.

RTV 3210C COS-COMM 2(2,1) Production Techniques and History: PR: RTE 3800 and RTV Major. Production Specialization. Audio production theory and recording techniques utilizing various microphone types, and digital non-linear audio computer-based editing equipment. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $20.00

RTV 3223C COS-COMM 3(2,1) Lighting for Video: PR: RTV 3228C or RTV 3206C, and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multiple-camera video production. Students should expect significant work in the RTV facility outside of class. Odd Fall, Spring. M&S fee $30.00

RTV 3228C COS-COMM 4(3,1) Studio Television Production: PR: RTV 3200 and RTV Major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphics. Students should expect significant work in the RTV facility outside of class. Odd Fall, Spring. M&S fee $30.00

RTV 3234C COS-COMM 3(2,1) Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and C.I. Development of on-camera and off-camera announcing and performance techniques in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditioning, production, and performances in scenes and commercials. Expect extensive studio work in the RTV facility outside the class. Spring. M&S fee $15.00

RTV 3260C COS-COMM 4(3,1) Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major - Production Specialization for Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $29.00

RTV 3263C COS-COMM 3(2,1) Advanced Video Post-Production: PR: RTV 3200C and RTV Major - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $15.00

RTV 3283C COS-COMM 3(2,1) Production of Interactive Multimedia: PR: CGS 1060C; major status in RTV, Ad-PR, Journalism, Organizational and Interpretive Skills. Technical and aesthetic requirements of analog and digital interactive multimedia for the broadcast industry. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $10.00

RTV 3301 COS-COMM 3(3,0) Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills and strategies and their accompanying ethical considerations for analog and digital delivery of broadcast journalism. Fall, Spring.
RTV 3304 COS-COMM 3(3,0) Electronic Journalism II: PR: RTV 3301, RTV 3912, and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring. M&S fee $10.00

RTV 3912 COS-COMM 3(3,0) Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

RTV 3942L COS-COMM 1-3(0-3,9) Practicum: PR: C.I., RTV Major, and either RTV 3210C, RTV 3220C, or RTV 3260C. Student will serve in some position of responsibility for UCF Weekly News or other RTV program. Graded S/U. May be repeated for credit. Occasional.

RTV 4206C COS-COMM 3(2,1) Television Directing: PR: RTV 3280C, RTV 3260C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students will expect significant work in the RTV lab facility outside of class. Fall. Spring. M&S fee $30.00

RTV 4211C COS-COMM 3(2,1) Audio Production II: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4271C COS-COMM 3(2,1) Radio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. Fall.

RTV 4280C COS-COMM 3(2,1) Webcasting I: PR: RTV Major and PR or CR: RTV 3280C. 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 4320C COS-COMM 4(1,3) Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee $20.00

RTV 4322C COS-COMM 3(2,1) Advanced TV News: PR: RTV 4320C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4403 COS-COMM 3(3,0) Electronic Media, Technology, and Society: PR: RTV 3007 or C.I. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring.

RTV 4503 COS-COMM 3(3,0) Sports Programming in Electronic Media: PR: Either SPC 1608, COM 3000, RTV 3970, or C.I. Focus that determine how sporting events are constructed for programming on broadcast stations, cable television, and other forms of electronic media. Fall.

RTV 4505 COS-COMM 3(2,1) Program Issues for TV & Motion Pictures: PR: RTV 3977 or PR 3303 or C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4700 COS-COMM 3(3,0) Regulation of Broadcasting: PR: RTV Major or Mass Comm. minor, and RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4800 COS-COMM 3(3,0) Broadcast Management: PR: RTV Majors only, RTV 4700. Examination of broadcast management problems in station operations at local, regional, and national levels. Spring.

RUS 1120 CAH-LANG 4(4,1) Elementary Russian Language and Civilization I: Introduces the student to Russian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Occasional.


RUS 2200 CAH-LANG 3(3,1) Intermediate Russian Language and Civilization I: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Occasional.

RUS 2201 CAH-LANG 3(3,1) Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

RUS 2210 CAH-LANG 3(3,0) Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

RUS 3240 CAH-LANG 3(3,0) Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

RUS 3760 CAH-LANG 3(3,0) Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocational training with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Occasional.

RUT 3955 CAH-LANG 3(0,0) Russian Culture and Civilization: PR: ENC 1100 or C.I. Russian culture and civilization through a variety of topics and media. Occasional.

SCC 3311 HPA-CJ 3(3,0) Security Administration: Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

SCC 3316 HPA-CJ 3(3,0) Special Security Problems: PR: SCC 3311 or C.I. Review and application of basic security principles to retail security, transportation/cargo security, utility security, computer security, and other special security situations. Occasional.

SCE 3310 ED-TL&L 3(0,0) Teaching Science in Elementary School: PR: EDG 4410 or C.I. CR: EDE 3942. Selected concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring. M&S fee $10.00

SCE 4304 ED-CFGS 3(3,0) Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum. Fall.

SCE 4360 ED-TL&L 4(4,0) Instructional Analysis: PR: EDG 4410 or C.I.; CR: SCE 3940. Course objectives for a school curriculum and methods for the middle grades and high school. Fall, Spring. M&S fee $8.00

SCE 4361 ED-TL&L 3(3,0) Programs in Teaching Science: PR: Admission to Teacher Education or Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Spring.

SCE 5325 ED-TL&L 3(3,0) Teaching Middle School Science: PR: EDG 6415, TSL 5065 or admission to MED program or Initial Teacher Professional Preparation certificate. Secondary science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.

SCE 5836 ED-TL&L 3(3,0) Space and Physical Science for Educators: PR: Graduate standing or C.I. Introduction to space and physical science, manned space flight, and space education curriculum. Occasional.

SLS 1501 ED-EHS 3(3,0) Strategies for Success in College: PR: First Time in College (FTC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.

SLS 2311C COM-M&M 2(2,1) Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SLS 2715 ED-EHS 2(2,0) Peer Educator Leadership: PR: Orientation Team Members or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.

SOP 3004C COS-PSYCH 3(3,2) Social Psychology: PR: PSY 2012. Effects of social situations and social variables on the behavior of individuals. Fall, Spring.

SOP 3723 COS-PSYCH 3(3,0) Cross Cultural Psychology: PR: PSY 2012. Exploration of theories, ideas, and research concerned with the psychological understanding of under-represented minority groups. Odd Spring.

SOP 3724 COS-PSYCH 3(3,0) Psychology of Prejudice: PR: PSY 2012. Examination of literature relating to prejudice toward groups and individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. Even Spring.

SOP 3742 COS-PSYCH 3(3,0) Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 COS-PSYCH 3(3,0) Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000, or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Occasional.
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SOP 3784 COS-PsyCh 3(3,0)

SOP 5059 COS-PsyCh 3(3,0)
Advanced Social Psychology: PR: SOP 3004C; graduate status or senior standing, or C.I. The major findings and theories in social psychology including an in-depth review of related research. Occasional.

SOW 2020 HPA-SOWK 3(3,0)
Careers in Creating Social Change: Introduces students to the field of social services, with emphasis on the social work profession and other careers that create social change. Fall.

SOW 3104 HPA-SOWK 3(3,0)

SOW 3111 HPA-SOWK 3(3,0)

SOW 3284 HPA-SOWK 3(3,0)
Social Work Perspectives on Social Justice: PR: Junior Standing or C.I. Examination of the social justice mission of the social work profession. Addresses professional values, the rights of populations served, and justice within practice fields. Fall, Spring.

SOW 3300 HPA-SOWK 3(2,1)

SOW 3352 HPA-SOWK 3(1,2)
Practice II: Interpersonal Skills in Social Work: PR: SOW 3300. PR or CR: SOW 3300. Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensus as well as conflictual contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(3,0)
Social Work Research: PR: STA 2014C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3620 HPA-SOWK 3(3,0)

SOW 3740 HPA-SOWK 3(3,0)
Social Work Practice with Loss & Life's Transitions: PR: Junior Standing or C.I. A wide range of losses across the life span will be presented from a strengths perspective. Assessment & intervention recognizing cultural differences and skill be addressed. Fall.

SOW 4232 HPA-SOWK 3(3,0)

SOW 4283 HPA-SOWK 3(3,0)
Social Work and the Law: PR: Junior Standing or C.I. An overview of the legal system focusing on roles social workers play within the courts and legal processes pertaining to family law, mental health, child welfare. Fall.

SOW 4322 HPA-SOWK 3(3,0)
Social Work Practice with Groups: PR: SOW 3104 and Junior Standing. Provide theories and skills of general social work practice with small groups in a wide range of social service agencies and with diverse client populations. Spring.

SOW 4341 HPA-SOWK 3(1,2)
Micro-Level Roles and Interventions in Social Work: PR: SOW 3300; SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. Fall.

SOW 4343 HPA-SOWK 3(1,2)
Macro-Level Roles and Interventions in Social Work: PR: SOW 3300; SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.

SOW 4510 HPA-SOWK 9(0,28)
Field Education: PR: Completion of required courses in major; GPA 2.5 in major. CR: SOW 4510. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.

SOW 4522 HPA-SOWK 3(2,1)
Field Education Seminar: PR: Completion of required courses in major. CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602 HPA-SOWK 3(3,0)
Social Work in Health Settings: PR: Junior Standing or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. Fall.

SOW 4645 HPA-SOWK 3(3,0)
Social Services for the Elderly: PR: Junior Standing or C.I. Development of interventive skills for obtaining, providing, and improving social services in behalf of elderly persons and their families. Fall.

SOW 4650 HPA-SOWK 3(3,0)
Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW program or C.I. The social worker's role and interventions with victims of child abuse and their family members. Spring.

SOW 4654 HPA-SOWK 3(3,0)
Children's Services: PR: Admission to BSW program or (PR or CR: SOW 3104). Study of societal responses to children's needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. Fall, Spring.

SOW 4673 HPA-SOWK 3(3,0)
Social Work Practice: The Gay and Lesbian Experience: PR: Junior Standing or C.I. Sexual orientation and social work practice; policies and resources affecting gay & lesbian people, community based therapeutic and preventive interventions with gay & lesbian clients. Even Spring.

SOW 4705 HPA-SOWK 3(3,0)

SOW 4706 HPA-SOWK 3(3,0)
Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.

SOW 4730 HPA-SOWK 3(3,0)
Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 4754 HPA-SOWK 3(3,0)
Forensic Social Work Theory and Practice: PR: Junior Standing or C.I. The role of social workers within the courts and criminal justice system. Occasional.

SOW 4794 HPA-SOWK 3(3,0)
Social Work with Immigrants and Refugees: PR: SOW 3620 and Junior Standing, or C.I. Social work practice with immigrants and refugees; specifically addressing social policies, programs and legal issues impacting from a national and an international perspective. Fall.

SOW 5105 HPA-SOWK 3(3,0)
Human Behavior and Social Environment I: Intergenerational: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.

SOW 5106 HPA-SOWK 3(3,0)
Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5132 HPA-SOWK 3(3,0)
Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5149 HPA-SOWK 3(3,0)
Military and Veteran Culture with Historical Frameworks: PR: Admission to Master of Social Work program or C.I. Thorough analysis of military and veteran systems. Provides the frameworks to assist social workers in better understanding, communicating and practicing with veterans and their families. Spring.

SOW 5175 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.

SOW 5235 HPA-SOWK 3(3,0)
Social Welfare Policies and Services: Study of societal responses to human needs forces shaping social welfare systems; introduces frameworks for analyzing social policies and services. Fall.

SOW 5305 HPA-SOWK 3(3,0)
Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5361 HPA-SOWK 3(3,0)
Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5355 HPA-SOWK 3(3,0)
Studies in Social Work Practice: PR: C.I. Analysis of 2 or more urban practice issues and approaches. May be repeated for credit. Occasional.

SOW 5387 HPA-SOWK 3(3,0)
Nonprofit Resource Development: PR: Admission to certificate program or C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant funding, fundraising, marketing, and government contract development and management. Occasional.

SOW 5404 HPA-SOWK 3(3,0)
Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. Fall.

SOW 5432 HPA-SOWK 3(3,0)
Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measures; applications to individuals, families, groups, programs, communities. Occasional.

SOW 5532 HPA-SOWK 2(2,0)

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SPB 3003 BA-BUS 3(3,0) Introduction to Sport Business Management: PR: Sophomore standing. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Occasional.

SPB 3503 BA-BUS 3(3,0) Ethics in Sport Business: PR: SPB 3003 with a "C" (2.0) or better. The ethics and moral issues in sport and their business 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 with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. Diversity, social issues, social responsiveness, and financial performance in professional, collegiate, and Olympic sport. Occasional.

SPB 3823 BA-BUS 3(3,0) The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPB 3003 with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. The structure, evolution and governance between sport and media and their business implications. PR: Consent of Honors. Same as SPB 1608 with honors-level content. Occasional.

SPB 2942 COS-COMM 1-3(1-3,0) Debate Practicum: Training and participation in intercollegiate debate. Graded S/U. May be used in the degree program a maximum of 3 times. Occasional.

SPB 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, interaction behavior, situational cues, verbal and non-verbal messages. Fall, Spring.

SPB 3425C COS-COMM 3(2,1) Group Interaction and Decision-Making: PR: or CR: COM 3311, or C.I. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Occasional.

SPB 3445 COS-COMM 3(3,0) Leadership Through Oral Communication: PR: or CR: COM 3311 or C.I. Investigation of leadership in oral communication situations, principles of effective public speaking. Leadership and problem solving. Fall, Spring.

SPC 313C COS-COMM 3(2,1) Argumentation and Debate: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 3513H COS-COMM 3(3,0) Honors Argumentation and Debate: PR: Consent of Honors and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Advanced study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 3531H COS-COMM 3(3,0) Nonverbal Communication: PR: or CR: COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

SPC 4426 COS-COMM 3(3,0) Group Dynamics: PR: or CR: COM 3311, or C.I. Human behavior in group situations. Fall, Spring.

SPC 4540 COS-COMM 3(3,0) 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. Requirements knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204 ED-CFCS 3(3,0) Sports and Exercise Science: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415 ED-CFCS 3(3,0) Public Relations in Sport and Exercise Science: PR: or CR: 3005, or C.I. Design, maintenance, and application of sport and exercise science facilities with a specific focus on fiscal management. Fall, Spring.

SPM 3504 ED-CFCS 3(3,0) Fiscal and Facilities: Issues in Sport and Exercise Science: PR: or CR 3005. Design, maintenance, and application 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: Admission to and Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the legal issues and problems encountered by sport and exercise science professionals. Fall, Spring.

SPM 5155 ED-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. Introduction to students to all aspects of sport 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: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

SPN 1120C CAH-LANG 4(4,1) Intermediate Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. Fall, Spring.

SPN 1121C CAH-LANG 4(3,1) 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 and writing. Open only to students with no experience in this language. Honors-level content. Occasional.

SPN 1121C CAH-LANG 4(4,1) Honors Intermediate Spanish Language and Civilization II: PR: SPN 1121C or equivalent. Same as SPN 1121C with honors-level content. Occasional.

SPN 1150C CAH-LANG 8(4,4) Intensive Beginning Spanish: Combines SPN 1120C and SPN 1121C in an intensive one-semester unit. Emphasis on speaking, listening, reading, and writing Spanish. For students with little or no background in the language. Occasional.

SPN 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 Language and Civilization I: PR: SPN 1121C or equivalent. 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 2200H 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 toward fluency and correctness in speaking at the intermediate level. Occasional.
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SPN 2241 CAH-LANG 3(3,0) Spanish Conversation: PR: SPN 2201 or equivalent. Development of skills. Graduation and comprehension through practice. Occasional.

SPN 2340 CAH-LANG 3(3,0) Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. Occasional.

SPN 2341 CAH-LANG 3(3,0) Advanced Spanish for Native Speakers: PR: SPN 2340 or C. 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 societies. Culture and realia 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) Business Spanish II: PR: C.I. Continuation of Business Spanish I. Even Spring.

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.

SPN 3345 CAH-LANG 3(3,0) Advanced Spanish Native Fluency II: PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I. Emphasizing the remaining grammatical topics and composition skills. Spring.

SPN 3402 CAH-LANG 3(3,0) Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

SPN 3420 CAH-LANG 3(3,0) Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.

SPN 3512 CAH-LANG 3(3,0) Contemporary Spanish Culture Abroad: PR: SPN 2241 or SPN 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

SPN 3760 CAH-LANG 3(3,0) Advanced Spanish Oral Communication: PR: SPN 3240 or SPN 2240 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

SPN 3850 CAH-LANG 3(3,0) Structure of the Spanish Language: PR: SPN 3420. Linguistic theory applied to analysis of Spanish language. Includes systematic study of sound patterns, semantics, word formations, and socializations. Occasional.

SPN 3852 CAH-LANG 3(3,0) Bilingüismo: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Spanish-English bilingualism in the United States. Models of language acquisition in bilinguals, domains of language use, maintenance, shift, transfer, diversity, attitudes, code-switching, attrition and contact. Occasional.

SPN 3933 CAH-LANG 1(1,0) Spanish Across the Curriculum: PR: SPN 2201 or C.I. CR: concurrent enrollment in a designated course. Improvement of skills in Spanish within the student’s major or minor. Open to students in all colleges. May be repeated for credit. Fall, Spring.

SPN 4143 CAH-LANG 3(3,0) Business Spanish IV: PR: C.I. Advanced course in business terminology and development of advanced language skills. Odd Spring.

SPN 4410 CAH-LANG 3(3,0) Advanced Spanish Conversation: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Advanced and intensive conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG 3(3,0) Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Even Spring.

SPN 4510 CAH-LANG 3(3,0) Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Roman times to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG 3(3,0) Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4780 CAH-LANG 3(3,0) Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

SPN 4800 CAH-LANG 3(3,0) Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its beginning to the present, with special emphasis as it is written and spoken in Latin America and the U.S. Occasional.

SPN 4801 CAH-LANG 3(3,0) Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish languages, as well as the use and correct application of criterion when analyzing texts. Taught in Spanish. Occasional.

SPN 5502 CAH-LANG 3(3,0) Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

SPN 5505 CAH-LANG 3(3,0) Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. Occasional.

SPN 5506 CAH-LANG 3(3,0) Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. Occasional.

SPN 5705 CAH-LANG 3(3,0) Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analysing Spanish, morhology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Odd Fall.

SPN 5825 CAH-LANG 3(3,0) Spanish Dialectology: PR: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish languages with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

SPN 5845 CAH-LANG 3(3,0) History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

SPN 5920 CAH-LANG 1(1,0) AP Spanish Language: PR: Graduate status or senior standing or C.I. Participation will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing. Occasional.

SPS 5177 ED-E&HS 3(3,0) Enhancing Individual and Student IQ: PR: Graduate standing or C.I. CR: concurrent enrollment in a designated course. Students will analyze acquisition of knowledge gained from methods of scientific inquiry regarding individual differences. Even Spring.

SPS 5605 ED-E&HS 3(3,0) Building and Improving Relationship and Emotional Intelligence: PR: Graduate standing or C.I. Students will learn to develop and improve relational and emotional intelligence and demonstrate an understanding of self emotional learning and how it enhances psychosocial wellbeing. Odd Spring.

SPT 3800 CAH-LANG 3(3,0) Spanish Translation and Interpretation: PR: Completion of 2000 level sequence of equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

SPT 3805 CAH-LANG 3(3,0) Spanish Translation and Interpretation for Mass Communication: PR: SPT 3800. Translation and interpretation in mass communication using all forms of media. Even Spring.

SPT 3809 CAH-LANG 3(3,0) Medical Spanish Translation/Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

SPT 3831 CAH-LANG 3(3,0) Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 2241. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. Even Fall.

SPW 3000H CAH-LANG 3(3,0)
Honors Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing or C.I. 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: SPW 3160, SPW 3420 or 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: SPW 3160, SPW 3420 and SPN 3300, or C.I. Main literary currents and works from 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 3321 CAH-LANG 3(3,0)

SPW 3370 CAH-LANG 3(3,0)

SPW 4272 CAH-LANG 3(3,0)
20th-Century Spanish Novel: PR: SPW 3101 or SPW 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected 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)

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 3421 or SPW 3420 or C.I. PR: permission. 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 3101 or SPW 3130 or SPW 3131 or SPW 3370, or C.I. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4382 CAH-LANG 3(3,0)
Central American Literature: PR: SPW 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central American literary history. Taught in Spanish. Occasional.

SPW 4450 CAH-LANG 3(3,0)
Spanish Literary Theory: PR: SPW 3100 and SPW 3131 or SPW 3132 or C.I. A study of textual criticism with emphasis in the theory of genre. Occasional.

SPW 4460 CAH-LANG 3(3,0)
Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works of Nineteenth Century Romanticism, Realism, and Naturalism. Occasional.

SPW 4604 Cervantes: PR: SPW 3101 or C.I. Don Quijote. 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 Literary Traditions 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 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 of Spanish American literature with an emphasis on 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 3100 and SPW 3101 or SPW 3130 and SPW 3131. Puerto Rican literature from the XIX century to the present. Conducted in Spanish. Occasional.

SPW 5741 CAH-LANG 3(3,0)
Contemporary Spanish American Southern Literature: PR: Enrollment in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern American literature. Occasional.

SPW 5796 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. Taught in Spanish, including all readings. Occasional.

SSE 3312 ED-TL&L 3(3,0)
Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected themes, problems, and concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring.

SSE 4361 ED-TL&L 3(3,0)

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.
UCF Courses and Descriptions

SYD 4200 COS-SOC 3(3,0)
Birth, Death, and Population Trends: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Examines the sociological perspective and methodological techniques of analyzing the construction of the major social institutions (e.g., family, education, religion, economy and politics). Fall, Spring.

SYD 4510 COS-SOC 3(3,0)
Environment and Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Applies the sociological perspective and methodological techniques of analyzing the behavior of humans in the context of the major social institutions (e.g., family, education, religion, economy and politics). Fall, Spring.

SYD 4514 COS-SOC 3(3,0)

SYD 4810 COS-SOC 3(3,0)
Women in Contemporary Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Examines the status of women in the context of the major social institutions (e.g., family, education, religion, economy and politics). Fall, Spring.

SYD 4813 COS-SOC 3(3,0)

SYD 5517 COS-SOC 3(3,0)
Economics 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.

SYY 5795 COS-SOC 3(3,0)
Class, Race, and Gender in American Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.

SYG 2000 COS-SOC 3(3,0)
Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding and evaluating the status of women in the context of the major social institutions (e.g., family, education, religion, economy and politics). Fall, Spring.

SYG 2000H COS-SOC 3(3,0)
Honors Introduction to Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Emphasis on independent research will provide a sociological examination of the intersections of race, class, and gender in American society. Occasional.

SYG 2000N COS-SOC 3(3,0)
Honors Introduction to Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Emphasis on independent research will provide a sociological examination of the intersections of race, class, and gender in American society. Occasional.

SYO 3410 COS-SOC 3(3,0)

SYO 3410H COS-SOC 3(3,0)
Honors Patterns of Mental Health in Society: PR: Consent of Honors or C.I. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. With Honors content. Occasional.

SYO 3530 COS-SOC 3(3,0)

SYO 4123 COS-SOC 3(3,0)

SYO 4200 COS-SOC 3(3,0)

SYO 4250 COS-SOC 3(3,0)
Education and Social Achievement: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. This course examines the sociological dimensions of the educational institutions, including the impact of the social structure on learning and the role of education in social change. Occasional.

SYO 4300 COS-SOC 3(3,0)

SYO 4323 COS-SOC 3(3,0)

SYO 4400 COS-SOC 3(3,0)

SYO 4400H COS-SOC 3(3,0)
Honors Medical Sociology: PR: Consent of Honors or C.I. Analysis of patient behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. With Honors content. Occasional.

SYO 4402 COS-SOC 3(3,0)

SYO 4900H COS-SOC 3(3,0)
Honors Social Psychology: PR: Consent of Honors or C.I. Analysis of social perception, attitude formation and change, motivation, and decision-making in small groups as affected by social interaction and social processes. Occasional.

SYO 3400 COS-SOC 3(3,0)
Social Change: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. An examination 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 3510 COS-SOC 3(3,0)

SYO 3511 COS-SOC 3(3,0)
Sociology of Murder: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. An analytical study of murder in society. Topics include different types of homicides, offenders, victims, and circumstances. Fall.

SYO 3530 COS-SOC 3(3,0)

SYO 3531 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)

SYO 3630 COS-SOC 3(3,0)

SYO 3650 COS-SOC 3(3,0)

SYO 4000 COS-SOC 3(3,0)
understanding the effects of society and groups on the Graduate standing or C.I. An exploration of sociological Determinants of Health: PR: One of SYG 2000, ANT 2000, PSY 2012 or Junior standing. Comparative sociology of revolutions and the sociological research on social movements. Occasional.

SYP 4401 COS-SOC 3(3,0)
Social Determinants of Health: PR: SYG 2000, ANT 2000 or PSY 2012 or C.I. Examination of the ways social characteristics structure or shape health patterns in the U.S. population. Occasional.

SYP 4454 COS-SOC 3(3,0)

SYP 4514 COS-SOC 3(3,0)
Patterns of Violence in Society: PR: One of SYG 2000, ANT 2000, PSY 2012 or Junior standing. Issues related to victimology such as victimization risks and societal treatment of victims. Occasional.

SYP 4521 COS-SOC 3(3,0)

SYP 4536 COS-SOC 3(3,0)

SYP 4550 COS-SOC 3(3,0)

SYP 4631 COS-SOC 3(3,0)

SYP 4730 COS-SOC 3(3,0)

SYP 4732 COS-SOC 3(3,0)

SYP 5005 COS-SOC 3(3,0)
Sociological Social Psychology: PR: Graduate standing or C.I. An exploration of sociological social psychological theories and their application in understanding the effects of society and groups on the individual. Occasional.

SYP 5525 COS-SOC 3(3,0)
Sociological Criminology: PR: Graduate standing or C.I. To examine current sociological knowledge and research on various issues in Criminology, and to further students' skills in developing/conducting research projects. Occasional.

SYP 5566 COS-SOC 3(3,0)
Seminar on Domestic Violence: Theory, Research, and Social Policy: PR: Graduate status or senior standing or C.I. A sociological examination and evaluation of theories, empirical research and social policy related to the study of domestic violence. Occasional.
UCF Courses and Descriptions

THE 4285 CAH-THEA 3(3,0)
Period Costume, Architecture, and Decor II: PR: "C" (2.0) or better in TPA 2000C, THE 3312, and THE 2626. Costumes, architecture, and decor from the Renaissance to the present. Occasional.

THE 4423 CAH-THEA 3(3,0)

THE 4543 CAH-THEA 3(3,0)
Theatre for Social Change: PR: Grade of C (2.0) or better in ENC 2001L. Theatre activist's impact on theatrical art forms. Occasional.

THE 4543H CAH-THEA 3(3,0)

THE 4954 CAH-THEA 0(0,0)

THE 5205 CAH-THEA 3(3,0)

THE 5215 CAH-THEA 3(3,0)
Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Theatrical arts and traditions of various countries with an emphasis on non-western countries. Occasional.

THE 5237 CAH-THEA 3(3,0)
Cultural Diversity in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Commonality of human experience among various groups through the study of dramatic literature. Occasional.

THE 5248 CAH-THEA 3(3,0)
Musical Theatre in History: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early 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 genres. Emphasis will be placed upon historical trends and theatrical viability. Fall.

THE 5255 CAH-THEA 3(3,0)
Period Costumes, Architecture and Decor I: PR: Admission into MFA Design track. Costumes, architecture and decor from antiquity to the renaissance. Fall.

THE 5259 CAH-THEA 3(3,0)

THE 5307 CAH-THEA 3(3,0)

THE 5385 CAH-THEA 3(3,0)
Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.

THE 5425 CAH-THEA 3(3,0)
Women in Theatre: PR: Admission into the MFA MA Theatre programs or C.I. An overview of women's contributions to theatre. Occasional.

THE 5545 CAH-THEA 3(3,0)

THE 5910 CAH-THEA 3(3,0)
Research Methods: PR: C.I., MFA and MA in Theatre. Practice, knowledge, skills and techniques needed by students to conduct research to include organization, styles, footnotes and bibliographic forms. Fall.
TPA 4066C CAH-THEA 3(2,2) Advanced Sceneography: PR: "C" (2.0) or better in TPA 3173C, TPA 3265C, or TPA 3223C. Project based work in student's area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

TPA 4224C CAH-THEA 3(2,2) Lighting Design for Theatre II: PR: "C" (2.0) or better in TPA 3223C. Project lighting design work with an emphasis on visualization of design concepts, professional graphics, and paperwork standards and practices. Occasional. M&S fee $37.00.

TPA 4250C CAH-THEA 2(2,2) CADD for Theatre: PR: Design and Technology or Stage Management major, "C" (2.0) or better in the 2081C. Computer-aided drafting design and its application for Theatre. Occasional. M&S fee $23.00.

TPA 4251C CAH-THEA 2(2,2) Advanced CADD for Theatre: PR: "C" (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. Spring. M&S fee $43.00.

TPA 4264C CAH-THEA 3(2,2) Sound Design for Theatre II: PR: "C" (2.0) or better in TPA 3265C. Project sound design work with an emphasis on design, communication, and professional standards and practices. Occasional.

TPA 4298L CAH-THEA 1(0,VAR) Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2290L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 5 times. Fall. Spring. M&S fee $47.00.

TPA 4384C CAH-THEA 3(3,4) Advanced Topics in Technical Theatre: PR: "C" (2.0) in TPA 2210 and TPA 2211. Variable topics which may include Technical Direction or other advanced topics. May be used in the degree program a maximum of 4 times. Occasional. M&S fee $35.00.

TPA 4400 CAH-THEA 3(3,0) Theatre Management: PR: "C" (2.0) or better in the 2081C and Junior standing. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatre programs. Additional emphasis placed on management theory and style. Fall.

TPA 4401C CAH-THEA 3(2,2) Theatre Careers in Production: PR: B.F.A. Design, Tech or Stage Management, Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.

TPA 4602 CAH-THEA 3(3,0) Advanced Stage Management: PR: B.F.A. Stage Management major, C (2.0) or better required in TPA 3601. Skills necessary for stage managers in contemporary entertainment. Fall.

TPA 5029C CAH-THEA 3(2,2) Lighting Design Studio: PR: TPA 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.

TPA 5042C CAH-THEA 3(2,2) Costume Design Studio: PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. Occasional.

TPA 5062C CAH-THEA 3(2,2) Scene Design Studio: PR: Graduate status or C.I. Advanced work in the conceptualization and communication of scenic designs for the theatre. Spring.

TPA 5081C CAH-THEA 3(3,0) 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.

TPP 4142C CAH-THEA 3(2,2) Acting Verse: PR: Grade of C (2.0) or better required in TPP 4410C. Verse drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. Occasional.

TPP 4143C CAH-THEA 3(2,2) Acting Styles: PR: “C” (2.0) or better in TPP 3103 or TPP 4340C. An advanced and comprehensive view of acting styles. Occasional.

TPP 4193L CAH-THEA 10(VAR) Theatre Participation-Performance II: PR: Theatre major or minor and “C” (2.0) or better in TPP 2190L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. MALS fee $48.00

TPP 4221 CAH-THEA 3(3,0) Auditioning: PR: “C” (2.0) or better in TPP 2170C. Selecting monologues, auditioning techniques and cold readings. Spring.

TPP 4223C CAH-THEA 3(2,2) Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4243C CAH-THEA 2(2,2) Circus Arts: PR: Theatre major or minor; “C” (2.0) or better in TPP 2101, TPP 2110C and THE 2081C or THE 2000. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA 3(2,2) The Art of Storytelling: PR: Theatre major or minor; “C” (2.0) or better in TPP 2101, TPP 2110C or THE 2081C. Application of theatrical storytelling as an art form. Occasional.

TPP 4253C CAH-THEA 3(2,2) Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and “C” (2.0) or better in TPP 3525 and TPP 3526C. Advanced work in cabaret/person-person construction and performance with an emphasis on show preparation. Occasional.

TPP 4295C CAH-THEA 2(2,2) Musical Theatre Voice III: PR: “C” (2.0) or better in TPP 3528C. 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(2,2) 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) Musical Theatre Voice V: PR: “C” (2.0) or better in TPP 4923C. 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) Musical Theatre Voice VI: PR: “C” (2.0) or better in TPP 4270C. Continuation of TPP 4270C and its application to musical theatre performance. Individualized instruction. Fall.

TPP 4311C CAH-THEA 3(2,0) Advanced Directing for Theatre: PR: “B” (3.0) or better in TPP 4310C. 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 4531C CAH-THEA 2(2,1) Period Movement: PR: Grade of C (2.0) or better required in TPP 4153C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4730C CAH-THEA 2(2,1) Dialects: 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) Musical Theatre Acting I: PR: Theatre major and “C” (2.0) or better in TPP 3527C. 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 Acting II: PR: “C” (2.0) or better in TPP 4529C. Continuation of diagnosis and development of the singing voice using patter song, in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. Fall.

TPP 4940L CAH-THEA 6(0,VAR) Theatre Internship: PR: Restricted to B.F.A. Theatre majors, and Junior Standing and subject to Departmental approval. Off-campus internship programs in professional theatre. Required of all B.F.A. theatre majors. Fall, Spring.

TPP 5125C CAH-THEA 2(2,2) Improvisation Studies: 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 2(2,2) Acting Studio I: PR: Admission to Theatre MFA Program or C.I. Acting Studio I: 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 5516C. Advanced study 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 5517C. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textural and musical interpretation. Occasional.

TPP 5278C CAH-THEA 1(1,1) Musical Theatre Lab: PR: TPP 5517C. Practical course in developing musical theatre skills for the actor. Spring.

TPP 5288C 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 5985. 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: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on relaxation, centering, increased physical control, and physical development of a character. Fall.

TPP 5516C CAH-THEA 2(2,1) Movement Studio III: PR: TPP 5515 or C.I. Principles and methodologies of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unarmed combat. Spring.


TPP 5555C CAH-THEA 2(2,4) Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TPP 5715C CAH-THEA 2(2,1) Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage: the correct production of sound, breathing, relaxation of physical tension, and articulation. Fall.

TPP 5716C CAH-THEA 2(2,1) Stage Voice II: PR: Admission to the MFA Performance program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner’s narrow transcription with consultants, review of 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: 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 4080 ED-TL&L 3(3,0) Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL), ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. Fall, Spring.

TSL 4240 CAH-LANG 3(3,0) Issues in Second Language Acquisition: PR: TSL 4080. English phonology, morphology, syntax, and semantics, for future teachers. Fall, Spring.

TSL 4363 CAH-LANG 3(3,0) ESL Classroom Experiences: PR: TSL 3346 (E- or better). Practical instruction and experiences for future teachers of English conversation. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. Spring.

TSL 4942 ED-TL&L 3(3,0) ESL Field Experience: PR: TSL 4080. Practical application of research and theory on teaching and assessing academic subjects to second language (L2) learners in grades Pre-K-12. Fall, Spring.

TSL 4945 ED-TL&L
3(3,0)
ESOL Clinical Experience: PR: TSL 4942 and TSL 4943. Application of research and theory on teaching and assessing academic language and disciplinary literacy to second language (L2) learners in grades Pre-K-12. Fall, Spring.

TSL 5085 ED-TL&L
3(3,0)
Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education and Human Performance Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida styles, standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LANG
3(3,0)
ESOL Strategies: PR: Graduate status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESOL to meet the needs of limited English proficient students. Occasional.

TSL 5345 ED-TL&L
3(3,0)
Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5376 CAH-LANG
3(3,0)
Reading and Writing in a Second Language: PR: Graduate standing or C.I. Emphasizes research in computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.

TSL 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 learning English as a second language. Occasional.

TSL 5525 ED-TL&L
3(3,0)
ESOL Cultural Diversity: This is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.

TSL 5605 CAH-LANG
3(3,0)
Second Language Vocabulary Learning: PR: Graduate standing or C.I. Considers lexical issues encountered by second language learners; explores best practices for learners and their teachers and examines current research and pedagogical approaches. Occasional.

TSL 5940 CAH-LANG
3(3,0)
Issues in TEFL: PR: Graduate standing or C.I. Address issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 3810 ECS-CECE
3(0,0)
Highway Engineering: PR: STA 3032 with a grade “C” (2.0) or better. Three functional classifications are covered: planning, design and operation of transportation facilities. Emphasis is on the highway transportation mode. Fall, Spring.

TTE 4274 ECS-CECE
3(3,0)
Transportation Engineering Systems: PR: TTE 3810 with a grade of “C” (2.0) or better. Topics include traffic operations, traffic analysis, and highway design, including projecting traffic volumes, laying out alternative routes, designing of alignments/intersections. Occasional. M&S fee $25.00

TTE 4603 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 of traffic analysis and design, highway design, including projecting traffic volumes, laying out alternative routes, designing of alignments/intersections. Occasional. M&S fee $25.00

TTE 5204 ECS-CECE
3(3,0)
Traffic Engineering: PR: TTE 3810 or C.I. Study of operator and vehicle characteristics, and design for street capacity, signs, signals, and markings. Occasional.

TTE 5256 ECS-CECE
3(3,0)
Traffic Operations: PR: TTE 3810 or C.I. Fundamentals and applications that describe traffic operations on highways and streets. Work on real life traffic operations projects and report results in class. Fall.

TTE 5805 ECS-CECE
3(3,0)

TTE 5835 ECS-CECE
3(3,0)
Pavement Design: PR: TTE 4010C. Pavement design based on wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. Occasional.

VIC 3001 COS-COMM
3(3,0)
Visual Communication: PR: Either SPC 1608, SPC 1609C, CCI 1000, or C.I. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

WOH 1201 CAH-HIST
3(3,0)
World Civilization I: A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.

WOH 1201H CAH-HIST
3(3,0)
Honors World Civilization I: PR: Permission of Honors. The rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Honors content. Occasional.

WOH 2222 CAH-HIST
3(3,0)
World Civilization II: Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.

WOH 2222H CAH-HIST
3(3,0)
Honors World Civilization II: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. Occasional.

WOH 4272 CAH-HIST
3(3,0)
Age of Atlantic Revolutions 1763-1826: PR: AMH 2110 or C.I. Compares origins, development, and outcomes of the American, French, Latin American, and Haitian Revolutions. Occasional.

WST 3015 CAH-WOM
3(3,0)
Introduction to Women’s Studies: PR: ENC 1102 or C.I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.

WST 3015H CAH-WOM
3(3,0)
Honors Introduction to Women’s Studies: PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. Even Spring.

WST 3020 CAH-WOM
3(3,0)
Girls’ Studies: PR: ENC 1102. Girls’ Studies, an 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 styles, obstacles facing women leaders, and learning from women leaders. Occasional.

WST 3460 CAH-WOM
3(3,0)
Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.

WST 3460H CAH-WOM
3(3,0)

WST 3500 CAH-WOM
3(3,0)
Gender Issues and Community Activism: PR: ENC 1102 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 feminism, from the late eighteenth century to the 1980s, through texts by First and Second Wave Feminists. Occasional.

WST 3561 CAH-WOM
3(3,0)
Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.

WST 3621 CAH-WOM
3(3,0)
Theories of Masculinity: PR: ENC 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002 CAH-WOM
3(3,0)
Research in Women and Gender: PR: WST 3015 or C.I. Examination of scholars and research in a variety of areas pertaining to the study of women and gender relations. Occasional.

WST 4021 CAH-WOM
3(3,0)

WST 4022 CAH-WOM
3(3,0)

WST 4349 CAH-WOM
3(3,0)

WST 4415 CAH-WOM
3(3,0)

WST 5347 CAH-WOM
3(3,0)
Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research seminar exploring relationships among feminist theorizing, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. Occasional.

WST 5601 CAH-WOM
3(3,0)
Theories in Gender Studies: PR: Graduate standing, Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

ZOO 3701 ZOO-M&S
3(1,4)
Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials/specimens. The primary student population should be junior/senior pre health professional applicants preparing for the basic medical sciences of professional schools. Spring. M&S fee $70.00

ZOO 3713C COS-BIOL
3(5,6)
Comparative Vertebrate Anatomy: PR: A “C” (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&S fee $65.00
Mammals from an evolutionary perspective.

ZOO 3733C COM-M&M
Human Anatomy: PR: BSC 2010C or equivalent. Structure of the human body. Fall. Spring. M&S fee $6.00

ZOO 3733C COM-M&M
Honors Human Anatomy: PR: BSC 2010C or equivalent. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. Spring. M&S fee $6.00

ZOO 3736C COM-M&M
Exercise Physiology Anatomy: PR: BSC 2010C. C.I. Gross anatomy for exercise physiology majors. Fall. Spring. M&S fee $6.00

ZOO 3744 COM-M&M
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. M&S fee $6.00

ZOO 3755C COM-M&M
Introductory Histology: PR: PCB 3703C or ZOO 3733C or equivalent. Basic principles of tissue staining techniques, microscopy, cellular structure and other basic concepts. An introduction to the formation and structure of the four basic human tissues: Epithelium, Connective, Muscle & Nervous. Familiarizes students with normal cells, tissues structure and ultrastructure imaging. Odd Fall. Odd Spring.

ZOO 4020C COS-BIOL
Biological and Ecology of Metazoan Invertebrates: PR: A "C" (2.0) or better in all the following: BSC 2010C, BSC 2011C, and PCB 3044, or C.I. Anatomy, ecology, taxonomy, behavior, evolution, and parasitological relations of the raditales, bilateria, acelolous, pseudocellos, schizocellos, and enterocellos invertebrates. Occasional. M&S fee $34.00

ZOO 4310C COS-BIOL
Vertebrate Evolution & Ecology: PR: A "C" (2.0) or better in all the following: BSC 2010C, BSC 2011C, PCB 3044, and PCB 3053 or C.I. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and field work. Occasional. M&S fee $65.00

ZOO 4480 COS-BIOL
Mammalogy: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Diversity and biology of mammals from an evolutionary perspective. Even Spring. M&S fee $15.00

ZOO 4513 COS-BIOL
Animal Behavior: PR: A"C" (2.0) or better in PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.

ZOO 4603C COS-BIOL
Embryology/Development: PR: A "C" (2.0) or better in both PCB 3063 and PCB 3023, or PCB 3522, or C.I. Concepts of developmental processes. Emphasis on mechanisms underlying vertebrate development. Spring. M&S fee $22.00

ZOO 4605 COM-M&M

ZOO 4742 COM-M&M

ZOO 4743C COM-M&M
Clinical Neuroanatomy and Neuroscience: PR: ZOO 3733C with a B (3.0) or better. Basic and functional consideration of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.

ZOO 4743C COS-BIOL
Clinical Neuroanatomy and Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4743C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience including selected topics in neuropathology, neuro- oncology, neuroimmunology, neuropharmacology, and neurodiagnostics with Honors consent. Spring.

ZOO 4747C COM-M&M
Clinical Neuroanatomy: PR: ZOO 3733C and Honors consent. Basic and applied neurosurgeries with attention to normal function and pathologic states of the nervous system relevant to practice of medicine and/or neuroscience. Occasional.

ZOO 4747C COM-M&M
Clinical Neuroscience: PR: ZOO 3744 or ZOO 4740C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.

ZOO 4747C COM-M&M
Honors Clinical Neuroscience: PR: ZOO 3744 and discrimination of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors consent. Spring.

ZOO 4753C COM-M&M
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
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
Herpetology: PR: Admission to the M.S. in Biology, Ph.D. in Conservatori 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 Fall. M&S fee $60.00

ZOO 5475L COS-BIOL
Field Ornithology: 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 birds, with emphasis on survey techniques and systematics. Occasional. M&S fee $30.00

ZOO 5486 COS-BIOL
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
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
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
Clinical Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4743C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.
ABRAM, CHARLIE, B.S., Ph.D. (Boston University) (2008), M.S., Ph.D. (University of Central Florida)

ABOURADDY, AYMAN, Professor of Electrical Engineering and Computer Science (1985), D.P.A. (Nova Southeastern University)

ABDEL-ATY, MOHAMED, Professor of Civil, Environmental, and Construction Engineering (1999), B.S.C.E., M.S.C.E., Ph.D. (University of California at Davis), P.E. (Florida)

ABEL, EILEEN M., Associate Professor of Social Work (1978), A.B., M.S.W., Ph.D., (Case Western Reserve University)

ABELS, MICHAEL, Instructor of Public Administration (1985), D.P.A. (Nova Southeastern University)

ABICHAR, ZAKHIA, Lecturer of Electrical Engineering and Computer Science (2011), B.S., Ph.D. (Iowa State University)

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ABRAHAM, CHARLIE, Associate Professor of SVAD (1996), B.F.A., M.F.A. (University of Illinois)

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ADAMS, KENNETH, Professor of Criminal Justice (2003), Ph.D. (State University of New York at Albany)


AHANGARI, RAHELEH, Assistant Professor (2007), M.D. (Carol Davila University of Medicine and Pharmacy), Ph.D. (University of Salamanca) of Pittsburgh)


AJAYI, RICHARD A., Associate Professor of Communication (1996), J.S.C., M.B.A., Ph.D. (Temple University)

AKITA, KIMIKO, Associate Professor of Communication (2005), B.A., M.A., Ph.D. (Ohio University)

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AL-AWI, AHEAM, Lecturer of Physics (2010), Ph.D. (Kansas State University)

ALABER, FORTUNE, Courtesy Assistant Professor of Internal Medicine (2000), M.D.

ALBERS-BIDDLE, LAURA, Instructor, College of Education and Human Performance (2001), B.A., M.A. (University of Central Florida)

ALDERMAN, BARBARA, Assistant Librarian (2000), B.A., M.S. (Florida State University)

ALLENS, DARRYL E., Lecturer of Accounting (2003), B.B.A., M.B.A., Ph.D. (Georgia Washington University)

ALLENS, FRANK R., Associate Director for Administrative Services (1998), B.A., B.S., M.B.A., M.L.S. (University of Tennessee)

ALLENS, JEFFERY W., Associate Director of Marketing (1999), B.S., M.B.A., D.B.A. (University of Kentucky)

ALLENS, KAY W., Associate Professor, College of Education and Human Performance (1999), B.S., Ed.D. (University of South Carolina)


ALRED, KELLY, Assistant Professor, College of Nursing (2007), B.S.N., M.S.N., C.N.E., Ph.D. (University of Central Florida)

ALEMIDA, JOHN A., Associate Professor of Music (1997), B.M., M.A. (Appalachian State University)

ALTARE, DEBORAH, Assistant Professor (2009), Ph.D. (University of Connecticut)

AMBROSE, MAUREEN L., Professor of Management (2008), B.A., A.M., Ph.D. (University of Illinois at Urbana-Champaign)

AMECZUA-CORREA, RODRIGO, Research Assistant Professor of Optics (2011), Ph.D. (Optoelectronics Research Centre (ORC), University of Southampton)

AN, LINAN, Professor of Materials Science and Engineering (2001), Ph.D. (Lehigh University)

ANDERSON, RANDY L., Howard Phillips Eminent Scholar Chair of Real Estate and Professor of Real Estate (2008), B.A., Ph.D. (University of Alabama)


ANDREASEN, JANET, Instructor, Coordinator, College of Education and Human Performance (2005), B.S., M.A., Ed.D. (University of Central Florida)

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ANGELOPoulos, THEODORE, Professor of Health Sciences and Secondary Joint Professor of Medicine (2002), B.S., M.S., M.P.H., Ph.D. (University of Pittsburgh)

ANGLEY, PATRICIA, Instructor of English (1988), B.A., M.A., Ph.D. (University of Houston)

APPLEN, J.D., Associate Professor of English (1997), B.S., M.F.A., Ph.D. (University of Arizona)

ARMACOST, ROBERT, Special Advisor to the Dean, College of Medicine (1991), D.Sc. (George Washington University)

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ATIA, GEORGE, Associate Professor of Electrical Engineering and Computer Science (2012), B.Sc., M. Sc., Ph.D. (Boston University)

AYAK, ULUC, Assistant Professor of Economics (2006), B.S., M.A., Ph.D. (University of California, Davis)

AZIMI, CURUS, Lecturer of Psychology (2006), B.S., M.A., Ph.D. (Michigan State University)

BACH, PATRICIA, Assistant Professor of Psychology and Director of Psychology Clinic (2012), Ph.D. (University of Nevada, Reno)

BAGLEY, GEORGE M., Associate Professor of Communication (1996), B.A., M.A. (University of Utah)

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BARKER, BARRY B., Director, University Libraries (2005), B.A., M.L.S., Ph.D. (University of Central Florida)

BARNETTE, ROBERTA, Assistant Professor of Psychology (2003), M.S., Ph.D. (University of Central Florida)

BARRE, MICHAEL A., Assistant Professor of Internal Medicine (2008), B.A., M.S., Ph.D. (University of Washington)

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### UCF Administrative Officers and Staff

<table>
<thead>
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<th>Institution and Degree(s)</th>
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</thead>
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</tr>
</tbody>
</table>

### Administrative Officers and Staff

<table>
<thead>
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<th>Name</th>
<th>Position</th>
<th>Institution and Degree(s)</th>
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<tbody>
<tr>
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<td>Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)</td>
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<td>CHAVEZ, DIANE Z.</td>
<td>Executive Vice Provost and Professor of Anthropology, University Pegasus Professor (1984), B.A., Ph.D. (University of Pennsylvania)</td>
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<td>CHAVI JR., GORDON D.</td>
<td>Associate Vice President for Undergraduate Admissions, Student Financial Assistance, and Student Outreach (1999), B.A., J.D. (Georgetown University)</td>
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<td>CHIBA, BO</td>
<td>Assistant Professor of Physics (2011), Ph.D. (Northwestern University)</td>
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<td>CHEREPAS, SANDRA M.</td>
<td>Senior Administrative Assistant to the President (1970), A.A. (Becker Junior College)</td>
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<td>CLARK, TRACY</td>
<td>Assistant Vice President for Finance and Controller (2007), B.B.A., J.D. (University of Central Florida)</td>
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<td>COLE, W. SCOTT</td>
<td>Vice President &amp; General Counsel (2002), B.S.J.D. (University of Florida)</td>
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<td>COLEMAN, ROBERT</td>
<td>Director, Fraternity and Sorority Life (2012), B.A., M.Ed. (University of Texas)</td>
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<td>CONSTANTINO, PAUL</td>
<td>Director, Activity and Service Fee Business Office (2007), A.S., B.S. (State University of New York College at Brockport)</td>
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<td>DAVIS, JAMES</td>
<td>Director, Facilities Planning and Construction (2003), B.D., M.S. (University of Tennessee)</td>
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<td>DUNN, MICHAEL</td>
<td>Director, Health Services (2001), B.S., M.D., M.P.H. (University of South Florida)</td>
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<td>DUNEGAN, HELEN</td>
<td>Vice President for Community Relations (1995), B.A. (San Jose State University)</td>
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<td>DORNER, JOYCE E.</td>
<td>Interim Vice Provost of Regional Campuses (1990), M.S.N. (University of Florida)</td>
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<td>DULLAMAN, PATRICIA</td>
<td>Director, Student Legal Services (1996), B.A., J.D. (Nova Southeastern University)</td>
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<td>EKh, MARIBETH</td>
<td>Vice President for Student Development and Enrollment Services (1994), B.S., M.A., Ph.D. (University of Colorado)</td>
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<td>EkERN, SHARON L.</td>
<td>Associate Vice President, Student Development and Enrollment Services (1990), B.A., M.P.A., Ed.D. (University of Central Florida)</td>
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<tr>
<td>FERNANDEZ, JOSE B.</td>
<td>Dean, College of Arts &amp; Humanities, and Pegasus Professor of History and Spanish (1981), B.A., M.A., Ph.D. (Florida State University)</td>
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<td>FROUKIN, MICHAEL</td>
<td>Dean, College of Health and Public Affairs (2008), B.S., M.S., Ph.D. (Brandeis University)</td>
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<td>GARDNER, DAN</td>
<td>Director, Assessment, College of Medicine (2008), Ed.D. (Florida Atlantic University)</td>
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<td>GEORGIOPoulos, MICHAEL</td>
<td>Interim Provost, College of Engineering and Computer Science, Professor of Electrical Engineering and Computer Science (1986), D.I.PL., M.S., Ph.D. (University of Connecticut), P.E. (Greene)</td>
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<td>GERMAN, RUBEN HA.</td>
<td>Vice President for Medical Affairs and Dean, College of Medicine (2006), B.S., M.D. (Harvard Medical School)</td>
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<td>GLASPIE, HENRY</td>
<td>Director, IT, College of Medicine (2002), M.S.I.E. (University of Central Florida)</td>
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<td>GONZALEZ, LYNN</td>
<td>Associate Vice President, Budget and Personnel Administration (1991), B.A., M.B.A. (University of Central Florida)</td>
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<tr>
<td>GRAY, BERTY L.</td>
<td>Associate Director, Office of Research &amp; Commercialization, and Chief Operating Officer, UCF Research Foundation (1972), B.S.B.A. (University of Central Florida)</td>
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<td>GUMBULE, MARK</td>
<td>Assistant Vice President, Student Development and Enrollment Services (2005), B.A., M.A. (Binghamton University)</td>
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<td>HALL, RHONDA C.</td>
<td>Director, Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)</td>
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<td>HALL, THOMAS</td>
<td>Director, Wellness and Health Promotion Services (2005), B.S., M.S. (Florida State University)</td>
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<td>HANSEN, LYNN</td>
<td>Executive Director, Career Services (2008), B.A., M.S., Ed.D. (University of West Florida)</td>
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<td>HARRMS, ALFRED G.</td>
<td>Vice President, Strategy, Marketing, Communications, and Admissions (2005), B.S., M.S. (Texas A&amp;M University)</td>
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<td>HARTMAN, JOEL L.</td>
<td>Vice Provost and Chief Information Officer, Information Technologies and Resources (1995), B.S., M.S., Ed.D. (University of Central Florida)</td>
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<td>HARTZLER, CHRISTI A.</td>
<td>Executive Director, Housing and Residence Life (1982), B.A., M.Ed. (University of Miami)</td>
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<td>HELMS, TERRENCE K.</td>
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<td>HENRY, KIRK</td>
<td>Director I.T. Services, UCF Regional Campuses (2010)</td>
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<td>HEDON, GRANT J.</td>
<td>Associate Vice President, Communications and Public Affairs (2007), B.S. (University of Florida)</td>
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<td>HINKLE, ROSS</td>
<td>Interim Vice Provost, Dean of the College of Graduate Studies, and Chair and Professor of Biology (2009), Ph.D. (University of Tennessee)</td>
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<td>HITT, JOHN C.</td>
<td>President of the University, Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)</td>
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</table>
SMITH, SORAYA, Director, Student Affairs, College of Medicine (2009), M.B.A. (University of Central Florida)

SNOW, ROBERT, Director, Sophomore and Second Year Center (1987), B.S., M.S. (Shippensburg University Pennsylvania)

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SWEENEY, MICHAEL J., Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)

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VAIDYANATHAN, PALLAVOOR N., Assistant Vice President for Research (1999), B.S., B.E., M.Sc., M.B.A. (University of Florida)

VIAU, PAUL, Director, Veterans Academic Resource Center (1997), B.A., Ed.Ms. (Alfred University)

VITTES, M. ELLIOT, Interim Vice Provost and Dean of Undergraduate Studies and Associate Professor of Political Science (1983), B.A., M.A., Ph.D. (University of Massachusetts)

VOELKER, AMY, Executive Director, University Audit (1990), B.S., M.P.A. (University of Central Florida)

WALDROP, TONY, Provost and Executive Vice President, Professor of Biomedical Sciences (2012), B.A., M.A., Ph.D. (University of North Carolina, Chapel Hill)

WALTON, ROXANE, Director, Human Resources (2002), B.S. (Stetson University)

WANG, ALVIN Y., Professor of Psychology and Dean, Burnett Honors College (1987), B.A., Ph.D. (State University of New York at Stony Brook)


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WELCH, KERRY, Associate Vice President, Student Development and Enrollment Services (2004), B.A., M.A., Ed.D. (University of Cincinnati)

WILKENING, JAMES, Director, Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)


WRIGHT, JENNIFER, Director, Integrity and Ethical Development (2002), A.A.S., B.S.B.A, M.A. (Appalachian State University)

YANCKELLO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed. (Pennsylvania State University)

YOUNG, DENISE L., Associate Vice President and Director UCF Cocoa and UCF Palm Bay (1990), B.A., M.S.W., Ph.D. (University of Michigan)

ZUGELDER, BRYAN, Executive Director of Undergraduate Affairs & Partnerships, College of Education and Human Performance (2005), B.S., M.S., Ed.D. (Nova Southeastern University)
<table>
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<tr>
<th>Date</th>
<th>Degree Recipient(s)</th>
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<tbody>
<tr>
<td>June 1970</td>
<td>John W. Young, Doctor of Applied Sciences</td>
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<tr>
<td>March 1973</td>
<td>Louis C. Murray, Doctor of Public Service</td>
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<tr>
<td>August 1974</td>
<td>Fred C. Clayton, Doctor of Professional Engineering</td>
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<td>August 1978</td>
<td>Richard F. Livingston, Doctor of Business Administration</td>
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<td>December 1979</td>
<td>Joseph Daniel Duffey, Doctor of Humane Letters</td>
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<td>June 1980</td>
<td>Thelma Vivian Jackson Dudley, Doctor of Humanities, Howard Phillips, Doctor of Public Service</td>
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<td>December 1981</td>
<td>Gene Burns, Master of Letters</td>
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<td>July 1982</td>
<td>Mary Jo Davis, Doctor of Public Service</td>
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<td>December 1982</td>
<td>Joseph A. Boyd, Doctor of Engineering Science</td>
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<td>July 1983</td>
<td>J. W. Hubler, Doctor of Engineering Science</td>
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<td>December 1984</td>
<td>Allan E. Gotieb, Doctor of Laws</td>
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<td>March 1986</td>
<td>Isaac Bashevis Singer, Doctor of Letters</td>
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<td>October 1988</td>
<td>Elie Wiesel, Doctor of Letters</td>
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<td>May 1990</td>
<td>Helen Harris Perlman, Doctor of Humane Letters, Thaddeus Seymour, Doctor of Letters</td>
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<td>May 1991</td>
<td>Roald Hoffman, Doctor of Science</td>
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<td>May 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
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<td>May 1995</td>
<td>Norman R. Augustine, Doctor of Engineering Science</td>
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<td>December 1995</td>
<td>Jesse Stone, Doctor of Humane Letters</td>
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<td>April 1996</td>
<td>Nicolaas Bloemergen, Doctor of Science</td>
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<td>December 1996</td>
<td>Richard A. Nunis, Doctor of Public Service</td>
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<td>May 1997</td>
<td>Maxwell C. King, Doctor of Public Service</td>
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<td>August 1998</td>
<td>Joe R. Lee, Doctor of Commercial Science</td>
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<td>December 1998</td>
<td>Trevor Colbourn, Doctor of Humane Letters</td>
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<td>December 1999</td>
<td>Linda W. Chapin, Doctor of Public Service</td>
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<td>December 1999</td>
<td>Archbishop Desmond Tutu, Doctor of Humane Letters</td>
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<td>May 2000</td>
<td>President Reubin O'D. Askew, Doctor of Public Service</td>
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<td>May 2001</td>
<td>Lotfi Zadeh, Doctor of Science</td>
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<td>Richard M. Karp, Doctor of Science</td>
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<td>G. Vincent Amico, Doctor of Science</td>
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<td>Harriet Elam-Thomas, Doctor of Public Service</td>
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<td>Anibel Acevedo Vila, Doctor of Public Science</td>
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<td>March 2006</td>
<td>Rita Bornstein, Doctor of Humane Letters</td>
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<td>Charles Hard Townes, Doctor of Science</td>
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<td>Robert Vander Weide, Doctor of Commerce</td>
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<td>Howard Lance, Doctor of Science</td>
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<td>Jerry S. Roth, Doctor of Commercial Science</td>
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<td>James A. Hinson, Doctor of Public Service</td>
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<td>December 2012</td>
<td>Sanford Shugart, Doctor of Humane Letters</td>
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<td>May 2013</td>
<td>President William Jefferson Clinton, Doctor of Humane Letters</td>
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<tr>
<td>May 2013</td>
<td>Michael M. Crow, Doctor of Humane Letters</td>
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**HONORARY DEGREES AWARDED**
A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term's Web Enrollment Guide for details.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

BHC: Burnett Honors College

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences within the College of Medicine.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.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.

CEDHP: College of Education and Human Performance.

Certificate: special program of study supplemental to a major.

Ch: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at https://my.ucf.edu) that lists courses and class sections offered each academic term.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are twelve colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education and Human Performance (CEDHP), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), 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 (G) suffix.

Common Program Prequisite: the State of Florida has identified Common Program Prequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. Directory information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes’ height and weight.

Disqualified: a student on academic probation is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/minor.

Email: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu, 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.

Excess Credit Hour Surcharge: a surcharge to each credit hour taken in excess of the total number of credit hours required to complete the degree being pursued. The amount in excess of the total hours is calculated based on a percentage defined in statute and is referred to by the University of Central Florida as baseline hours limit.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA 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.
UCF Glossary

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.

Matriculation: enrollment and attendance your initial term at UCF. Can be as an admitted, degree-seeking student or as a nondegree student.

MEP: Major Exploration Program to assist students who are undecided about a major.

Minor: a complement to a bachelor’s degree program major requiring at least 18 credit hours in a field.

myUCF: the UCF student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, PID (Personal Identification Number) and password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights Email account, telephone number, and permanent mailing addresses; search for courses each term; register, dropSwap and add courses each term; withdraw from courses following the close of Late Registration and DropSwap; 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 twelve Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them “quarters.” UCF is on the semester system; however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see “Repeat Surcharge.”

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: 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 Registrars 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 benefits 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 Registrars Office. Students are still responsible for tuition and fees for withdrawn courses.
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